# SELF STUDY REPORT (SSR)

### For the Accreditation

of



# Submitted to NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL, BANGALORE

**March 2017** 

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#### **PREFACE**

Considering the dearth of technical manpower in our country and in particular in the state of Maharashtra; D. Y. Patil College of Engineering and Technology (DYPCET), Kolhapur was established in 1984 with an objective to empower the rural youth by imparting high quality technical education, conjugated with excellent ambiance for academic, research, co-curricular and extracurricular activities contributing to their overall development. It is a cherished vision of Honourable Padmashri Dr. D. Y. Patil (Ex. Governor of Bihar and Tripura states).

The college is well known with a glorious tradition of 33 years, with around 2600 students and about 250 staff. The college takes pride in the fact that it is one of the few colleges that started functioning in the very early establishment of private colleges of Maharashtra state.

The College has following undergraduate and post-graduate programmes:

Sr.	UG Programme (BE, B.	Intake	Year of
	Arch.)		starting
1	Architecture (B. Arch.)	30+(50)	1984(2012)
2	Computer Sci. & Engineering	60 + (60)	1984(2012)
3	Electronics Engineering	60	1984
4	Mechanical Engineering	60+(60)	1984(2012)
5	Civil Engineering	60+(60)	1985(2015)
6	Production Engineering	60	1997
7	Chemical Engineering	60	1997
8	Information Technology	60	1999
9	Direct SE Civil Engineering	60	2013
10	Direct SE Mechanical Engg	60	2013
11	Direct SE Computer Sci. Engg	60	2014
	PG Programme (ME)		
1	Computer Sci.& Engineering	18	2008
2	Electronics & Telecommunication	18	2008

The college is approved by AICTE, New Delhi, Council of Architecture, New Delhi, Government of Maharashtra and it is affiliated to Shivaji University, Kolhapur. Four programmes namely Civil Engineering, Computer Science and Engineering, Electronics Engineering and Mechanical Engineering were accredited by NBA from March 2012 for three years. Apart from the above undergraduate and post graduate programmes the college offers Ph. D. programmes in Computer Sci. and Engg. and Electronics and Telecommunication Engineering.

Apart from having well equipped laboratories and modern

infrastructure the college has a learning centric approach by paying personal attention to all the students, counselling and mentoring the students and by using the feedback from the stakeholders for further improvement. In order to enrich the academics, the college organizes conferences, seminars, workshops, STTP courses and gust lectures throughout the academic year. Student chapter of Computer Society of India (CSI), ISTE and Indian Green Building Council (IGBC) have been established to keep the students updated with upcoming trends in these professional societies. The college has signed several MOUs for strengthening the interaction with the industry. Training and Placement cell of the college is very active and it invites several renowned companies to the campus for placements. The Training and Placement Cell organizes many training programmes for the students in order to enhance their employability. Along with the complete focus on enriching the teaching and learning expertise of the students, the college also pays significant attention to fostering their latent skills by exposing them to a myriad of co-curricular and extracurricular activities. This leads to holistic development of the students. The college encourages students for participating in sports at different levels. The college has produced around twelve thousand engineers during last 28 years. Most of them have been placed across the globe and thus the college has contributed in 'Nation Building'.

In the present context of 21<sup>st</sup> century challenges in Indian Higher education, the college aspires to strike a balance of inclusiveness with quality enhancement. The young men and women who pass out from this college are rooted in the core values and ethos which uphold the noble traditions of the nation, yet willing to open their minds to new vistas of knowledge to become the agents of social transformation.

It is my privilege to submit the Self Study Report (SSR) to the NAAC, Bangalore. We are confident that the college is ready to have interface with the NAAC peer team in the short span of time. I hereby acknowledge the support and motivation given by the Management for the continual improvement in the quality of education and their zest of accreditation. I am also grateful to the members of the Steering Committee and all the faculty and staff for timely writing the SSR.

**PRINCIPAL** 

### **EXECUTIVE SUMMARY**

Three decades of successful journey gives the college further scope and energy for continued progress in higher education segment. Realizing the importance of institutional responsibility in the teaching, learning and evaluation process, the college gears up adequate intrinsic mechanisms and adopts new pathways in achieving the academic excellence.

The leadership given by eminent members of the Board of Governors smoothen the progress of the college in sustaining and reflecting the Vision and Mission. The organizational structure operates with the top down and bottom-up approach. Decisions pertaining to academic matters are finalized in a participative manner in the Head of the Department meetings, which comprises of Heads of Departments, Vice Principal, Librarian and Training and Placement Officer.

### **Criterion – I : Curricular Aspects**

The college is a self financing and affiliated to Shivaji University, Kolhapur. The college follows the curriculum given by the university. However, the faculty members from the college have worked on various authorities of the university in the capacity of member Board of Studies, Academic Council, Dean of the faculty etc. and have contributed for the development of the curriculum from time to time. The feedback taken from all stakeholders (students, alumni, industry etc.) about the curriculum and the suggestions are forwarded to the respective Board of Studies. Extra efforts are taken for slow learners through remedial lectures as and when required. In order to increase the employability of the students various value added courses giving technical expertise along with soft-skill development programmes are regularly organized. Various elective courses are offered to have academic flexibility for the final year under graduate and post graduate degree programmes.

### **Criterion – II: Teaching-Learning and Evaluation**

The admission process is conducted by Directorate of Technical Education (DTE), Maharashtra State for Engineering and Architecture students and by Maharashtra Association of Schools of Architecture (MASA). As per the directions from the government 80% seats of the sanctioned intake are filled by DTE/MASA and 20% seats are filled by the college management preferably on merit. To achieve excellence in teaching and learning the faculty recruitment process is carried out in a transparent manner by following the rules and regulations of AICTE and Shivaji University, Kolhapur. At the beginning of every semester Academic Calendar is published indicating all the activities planned during the semester. Every faculty maintains an Academic Diary containing the plan for classroom teaching as well as laboratory work. The syllabus coverage status is reviewed at the end of every month during the

semester. The feedback mechanism for faculty from student helps in enriching the competency of the faculty. Use of ICT-based teaching enriches the teaching-learning process.

### Criterion - III: Research, Consultancy and Extension

With the help of highly qualified, experienced faculty and with well equipped laboratories, the college has the best practice of preparing the students to achieve core competencies and to face the global challenges successfully. A separate research and development committee is formulated to address and supervise research and development activities. The research activities are promoted by organizing seminars / conferences / workshops / Technical events. The college is a recognized research centre of Shivjai University for the Ph. D. programmes in Computer Science and Engineering and Electronics and Telecommunication Engineering. Presently about 14 research scholars are doing their research under the guidance of 4 research supervisors. Eminent professors from reputed institutions and industry experts are invited as resource persons.

The college has received grants from AICTE, DST and Shivaji University for research activities. A separate research lab in Physics department has been developed with the help of grants received from DST-SERB, New Delhi. The college has good Industry-Institute Interaction and the knowledge and expertise available with the college is disseminated by sharing it with industry.

### **Criterion – IV: Infrastructure and Learning Resources**

The college strictly adheres to the policies and regulation setup by both AICTE and University to facilitate effective teaching and learning. The college policy is to provide the state of the art infrastructure based on the four major categories as teaching learning infrastructure, Laboratory space and equipments. The college has sufficient number of classrooms, Seminar hall, Tutorial spaces, Laboratories, Technology enabled learning spaces, Equipment for teaching, learning and research and Specialized facilities like Central Computing Facility, Wi-Fi and Central Library with sufficient number of book titles, volumes, magazines and journals. The laboratory equipments are maintained and calibrated regularly. The college has a team of qualified technical staff for maintaining computers and networking facilities. The college has two diesel generators of 125KVA capacity for backup capacity. UPS facility is also available where ever required in the college.

### **Criterion – V: Student Support and Progression**

There are about 2500 students on roll and there is good blend of the students from rural as well as urban area. Various scholarships and free-ships are offered to the disadvantaged category of students. The college offers financial support and scholarships to economically backward students. To

meet the need of the students the college has counseling and mentoring system in place which provides time to time support to the students. The students are encouraged to appear for the competitive examinations and higher studies. The college has a well established Alumni Association which conducts Alumni meet every year, in which Alumni share their views and guide the present students. Through the Training and Placement cell the students are trained on various interviewing and soft skills. The college has all statutory committees in place like Student Council, Anti-ragging committee, Student grievances redressal committee and Sexual Harassment Prevention Committee/ICC to name a few.

### Criterion – VI: Governance, Leadership and Management

The college has a participative management and delegation of authority. The management plays role of facilitator with adequate financial support for the academic and administrative infrastructure. With full backup from top management, the Principal, faculty and staff formulates system process and procedure for imparting quality education in line with the vision and mission of the college.

Principal being head of the college communicates the decisions of the management in the academic committee which is composed of all departmental heads. Faculty is actively involved in decision making process at their level. Few faculty members are in committees like Anti Ragging, Research and Development cell, Publication committee, Examination committee, Gymkhana committee, Cultural committee and many other committees that are constituted for the smooth conduction of various events. All the new and revised policies to improve academic activities, methodology of conducting examinations are reviewed and discussed in HODs meeting before implementation. Administrative matters are dealt through the Registrar and other section heads.

### **Criterion – VII: Innovations and Best Practices**

The college has adopted various measures to have environmental consciousness by the means of energy conservation, rain water harvesting and E-waste disposal. The students and faculty are encouraged to become the members of various professional bodies in order to keep them updated in innovations from their respective field.

The most common best practices which aims at overall development of students are :

- i) Inculcating social responsibility amongst the students through various social activities such as arranging regular blood donation camps, Pulse Polio immunization etc. through the members of National Service Scheme.
- ii) Student mentoring and counseling is another best practice to help the students to come out of their academic as well as personal problems.

### **SWOC Analysis**

D.Y.Patil College of Engineering and Technology was established in the year 1984, offering world class technical education service to the Urban and Rural Youth. The college is in the journey towards quality education. Even then the college has every strength to feel delight, Weakness to rectify, Opportunities to accomplish and Challenges to face, learn and improve.

### **Strengths**

- 1. Qualified, experienced and dedicated faculty members.
- 2. Laboratories are well equipped with instruments, trainer kits, softwares and computing facilities.
- 3. Orientation of college towards overall development of faculty for quality through research activity and upgrading knowledge and skills.
- 4. Central location of the college and quality education making the college a preferred choice for students.
- 5. Examination results are consistently good and many of our students secured rank in the merit list of Shivaji University.
- 6. Student counseling and mentoring are in place.
- 7. Best teaching and learning practices.

#### Weakness

- 1. Research and Consultancy work needs improvement.
- 2. Inadequate interaction with Industy and placement in core Industry.
- 3. Number of doctorate faculty needs to be increased.
- 4. Less number of research projects.

### **Opportunities**

- 1. Enhancement of research and entrepreneur activity in the field of Engineering and Architecture.
- 2. Scope to improve R and D activities through industrial interaction.
- 3. Scope for improving placement through interaction with alumni.
- 4. Enhancing Architectural and Engineering values among socioeconomic background student through innovative teaching and learning processes.

### Challenges

- 1. As number of Architecture and Engineering institutions are increasing the input quality of the students, their academic performance and providing placement opportunities.
- 2. Nurturing the below average students and improving the technical and soft skills so that the placement in core companies can be increased.
- 3. Permitting students to undergo industrial training for better practical knowledge to bridge the gap between the industry and college.

## D.Y.PATIL COLLEGE OF ENGINEERING & TECHNOLOGY, KOLHAPUR

### 1. Name and Address of the College

Name:	D.Y. Patil College of Engineering & Technology		
Address:	Kasaba Bawada, Kolhapur.		
City: Kolhapur	Pin: 416 006 State: Maharashtra		
Website:	www.coek.dypgroup.edu.in		

### 2. For Communication

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr. Vijay	O: 0231-	96571	0231-	vijayghorpade@rediffmail.com
	R. Ghorpade	2601431 0231-	77171	2601432	vijayghorpade@hotmail.com
	•	2601432			
Vice	Dr.	O: 0231-	97649	0231-	
Principal	Kshama V.	2601431 0231-	97271	2601432	kvkulhalli@gmail.com
	Kulhalli	2601432			
Steering	Dr. S. V.	O: 0231-	75882	0231-	
Committee Coordinator	Sankpal	2601431	61492	2601432	sankpal1987@gmail.com

### **Status of the Institution: 3.** Affiliated College Constituent College Any other (specify) **Type of Institution:** 4. a. By Gender For Men i. For Women ii. Co-education iii. b. By Shift i. Regular ii. Day iii. Evening

<b>5.</b>	It is a	a recognized	minority	institution?

Yes No



### 6. Sources of funding:

Government Grant-in-aid Self-financing Any other

	$\dashv$
✓	
	П
	- 1

### 7. **a. Date of establishment of the college** : 01/07/1984

**b.** University to which the college is affiliated /or which governs the college (If it is a constituent college)

Shivaji University, Kolhapur, Maharashtra

c. Details of UGC recognition:

<b>Under Section</b>	Date, Month & Year (dd-mm-yyyy)	Remarks(If any)
i. 2 (f)	NA	-
ii. 12 (B)	NA	-

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

## d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/ clause	Recognition/Approval details Institution/Department Programme	Day, Month and Year (dd-mm- yyyy)	Validity	Remarks
i.	AICTE, New Delhi	10/04/2017	Up to June 2018	-
ii.	DTE, Mumbai	1984	Since 1984	-
iii.	COA, New Delhi	May 2012	Five years 2012-17	-
iv.	Shivaji University, Kolhapur	May 2016	One year 2016-17	-

(Enclose the recognition/approval letter)

	Yes 🗸	No		
	If yes, has the Colleg	ge applied for availing the autonomous status?		
	Yes	No 🗸		
9.	Is the college recogna. by UGC as a	nized? College with Potential for Excellence (CPE)?		
	Yes	No 🗸		
	If yes, date o	of recognition: NA		
		mance by any other governmental agency?		
	Yes	No 🗸		
	If yes, Name	of the agency NA and Date of recognition: NA		
10.	<b>Location of the cam</b>	npus and area in sq.mts:		
	Location *	Urban		
Campus area in sq. mts. 10240 Sq. Mts.				
• • •				
	ilt up area in sq. mts.	-		
	ilt up area in sq. mts.	-		
Bu	ilt up area in sq. mts. (* Urban, Semi-urban	24400 Sq. Mts.  n, Rural, Tribal, Hilly Area, Any others specify)		
Bu	vilt up area in sq. mts.  (* Urban, Semi-urban  Facilities available	. 24400 Sq. Mts.		
Bu	rilt up area in sq. mts.  (* Urban, Semi-urban  Facilities available and provide number in case the institu	24400 Sq. Mts.  a, Rural, Tribal, Hilly Area, Any others specify)  e on the campus (Tick the available faciliters or other details at appropriate places) of the has an agreement with other agencies in		
Bu	rilt up area in sq. mts.  (* Urban, Semi-urban  Facilities available and provide number in case the institution using any of the	24400 Sq. Mts.  n, Rural, Tribal, Hilly Area, Any others specify)  e on the campus (Tick the available faciliters or other details at appropriate places) of the has an agreement with other agencies is listed facilities provide information on the		
Bu	rilt up area in sq. mts.  (* Urban, Semi-urban  Facilities available and provide number in case the institution using any of the facilities covered to	24400 Sq. Mts.  n, Rural, Tribal, Hilly Area, Any others specify)  e on the campus (Tick the available facilities or other details at appropriate places) of the has an agreement with other agencies is listed facilities provide information on the under the agreement.		
Bu	Facilities available and provide number in case the institution using any of the facilities covered to Auditorium/semi	24400 Sq. Mts.  n, Rural, Tribal, Hilly Area, Any others specify)  e on the campus (Tick the available faciliters or other details at appropriate places) of the has an agreement with other agencies is listed facilities provide information on the		
	Facilities available and provide number in case the institution using any of the facilities covered to Auditorium/semi Available	24400 Sq. Mts.  n, Rural, Tribal, Hilly Area, Any others specify)  e on the campus (Tick the available facilities or other details at appropriate places) of the has an agreement with other agencies is listed facilities provide information on the under the agreement.		
Bu	Facilities available and provide number in case the institutusing any of the facilities covered available  • Auditorium/semi Available • Sports facilities	24400 Sq. Mts.  n, Rural, Tribal, Hilly Area, Any others specify)  e on the campus (Tick the available facilities or other details at appropriate places) of the has an agreement with other agencies is listed facilities provide information on the under the agreement.		
Bu	Facilities available and provide number in case the institution using any of the facilities covered to Auditorium/semi Available  Sports facilities play ground	24400 Sq. Mts.  n, Rural, Tribal, Hilly Area, Any others specify)  e on the campus (Tick the available facilities or other details at appropriate places) of the has an agreement with other agencies is listed facilities provide information on the under the agreement.  inar complex with infrastructural facilities:  : Available		
Bu	Facilities available and provide number in case the institutusing any of the facilities covered available  • Auditorium/semi Available • Sports facilities	24400 Sq. Mts.  n, Rural, Tribal, Hilly Area, Any others specify)  e on the campus (Tick the available facilities or other details at appropriate places) of the has an agreement with other agencies is listed facilities provide information on the under the agreement.  inar complex with infrastructural facilities:  : Available		
Bu	Facilities available and provide number in case the institute using any of the facilities covered to Auditorium/semi Available  Sports facilities play ground swimming po	24400 Sq. Mts.  n, Rural, Tribal, Hilly Area, Any others specify)  e on the campus (Tick the available facilities or other details at appropriate places) of the has an agreement with other agencies is listed facilities provide information on the under the agreement.  inar complex with infrastructural facilities:  : Available ool : Not Available		
Bu	Facilities available and provide number in case the institution using any of the facilities covered to Auditorium/semi Available  Sports facilities play ground swimming por gymnasium	24400 Sq. Mts.  n, Rural, Tribal, Hilly Area, Any others specify)  e on the campus (Tick the available facilities or other details at appropriate places) of the has an agreement with other agencies is listed facilities provide information on the under the agreement.  inar complex with infrastructural facilities:  : Available ool : Not Available		
Bu	Facilities available and provide number in case the institutusing any of the facilities covered to Auditorium/seminal Available  Sports facilities  play ground  swimming por gymnasium  Hostel	24400 Sq. Mts.  n, Rural, Tribal, Hilly Area, Any others specify)  e on the campus (Tick the available facilities or other details at appropriate places) of the has an agreement with other agencies is listed facilities provide information on the under the agreement.  inar complex with infrastructural facilities:  : Available  : Not Available  : No		
Bu	Facilities available and provide number in case the institution using any of the facilities covered to Auditorium/seminal Available  Sports facilities play ground swimming por gymnasium  Hostel Boys' hostel	24400 Sq. Mts.  n, Rural, Tribal, Hilly Area, Any others specify)  e on the campus (Tick the available facilities or other details at appropriate places) of the has an agreement with other agencies is listed facilities provide information on the under the agreement.  inar complex with infrastructural facilities:  Available  Not Available  No hostels  No		

	- Girls' hostel : No	
	i. Number of hostels	. <u>.</u>
	ii. Number of inmates	· _
	iii. Facilities (mention available faci	· lities) · -
	- Working women's hostel	: Not Available
	i. Number of inmates	· _
	<ul><li>ii. Facilities (mention available fac</li></ul>	· · · · · · · · · · · · · · · · · · ·
	Residential facilities for teaching and n	,
•	(give numbers available - cadre wise)	: Not Available
•	Cafeteria	: Available
•	Health centre	: Available
	- First aid, Inpatient, Outpatient, Emergament Ambulance	gency care facility, : Available
	- Health centre staff :	. Tivanaoie
	Qualified Doctor Part Time	Full Time
	Qualified Nurse Part Time	Full Time
•	Facilities like banking, post office, book	•
	<ul> <li>Banking: Union Bank of India, Kasa from the college.</li> </ul>	aba Bawada, about 500 mts
	- Post Office: Bawada Post Office, Ram the college.	nanmala, about 500 mts from
	- Book house: In house store to cater to	the need of the students
•	Transport facilities to cater to the needs o	f students and staff -
	On demand	
•	Animal house :	NA
•	Biological waste disposal :	NA
•	Generator or other facility for management and voltage:	•
	Two numbers of DG are available with	
•	8 ,	Available
•	$oldsymbol{arepsilon}$	Available Available
•	Water harvesting -	Avallaule

### **Details of programmes offered by the college** (Give data for current academic year : 2016-17) **12.**

Sr.	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification		Sanctioned/ approved Student strength	No. of students admitted
1	Under-	Architecture	5 Years	10+2+NATA	English	80	403
	Graduate	Chemical Engg.	4 Years	10+2	English	60	172
		Civil Engg.	4 Years	10+2	English	120	588
		Computer Sci. & Engg.	4 Years	10+2	English	120	543
		Electronics	4 Years	10+2	English	60	175
		Info. Tech.	4 Years	10+2	English	60	76
		Mechanical Engg.	4 Years	10+2	English	120	728
		Production Engg.	4 Years	10+2	English	60	171
2	Post- Graduate	Computer Sci. & Engg.	2 Yrs.	BE	English	18	11
		Electronics & Telecommunication Engg.	2 Yrs	BE	English	18	09
3	Ph. D.	Computer Sci. & Engg.	-	ME	English	-	07
		Electronics & Telecommunication Engg.	-	ME	English	-	01
4	Integrated Programmes						
	M.Phil.						
	Ph.D.						
	Certificate courses						
	UG Diploma			N.A.			
	PG Diploma						
	Any Other (specify and provide						

13.	Does the college offer self-financed Programmes?
	Yes V No
	If yes, how many? 10

14. New programmes introduced in the college during the last five years if any?

Yes	No	<b>√</b>	Number	_
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15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Faculty	Departments (E.g. Physics, Botany, History etc.)	UG	PG	Research
Engineering	Chemical Engg.	✓		
	Civil Engg.	✓		
	Computer Sci. & Engg.	✓	✓	✓
	Electronics	✓	✓ [E&TC]	✓
	Information Technology	✓		
	Mechanical Engg.	✓		
	Production Engg.	✓		
	Architecture	✓		
Science	-			
Commerce	-			
Any other	-			

	a. Annual System
	b. Semester System
	c. Trimester System
17.	Number of Programmes with
	a. Choice Based Credit System
	b. Inter/Multidisciplinary Approach
	c. Any other (Semester system) 10
18.	Does the college offer UG and/or PG programmes in Teach
	Education?
	Yes No V
	If yes,
	a. Year of Introduction of the programme(s) and number of batches
	that completed the programme : NA
	b. NCTE recognition details (if applicable) : NA
	c. Is the institution opting for assessment and accreditation of Teacher
	Education Programme separately?
	Yes No
19.	Does the college offer UG or PG programme in Physic
19.	Does the college offer UG or PG programme in Physic Education?
19.	
19.	Education? Yes No ✓ If yes,
19.	Education? Yes No ✓
19.	Yes No If yes,  a. Year of Introduction of the programme(s) and number of batches that completed the programme : NA
19.	Yes No No If yes,  a. Year of Introduction of the programme(s) and number of batches that completed the programme : NA  b. NCTE recognition details (if applicable) : NA
19.	Yes No No If yes,  a. Year of Introduction of the programme(s) and number of batches that completed the programme : NA  b. NCTE recognition details (if applicable) : NA  c. Is the institution opting for assessment and accreditation of Physical
19.	Yes No No If yes,  a. Year of Introduction of the programme(s) and number of batches that completed the programme : NA  b. NCTE recognition details (if applicable) : NA
19.	Yes No No If yes,  a. Year of Introduction of the programme(s) and number of batches that completed the programme : NA  b. NCTE recognition details (if applicable) : NA  c. Is the institution opting for assessment and accreditation of Physical
19.	Yes No V  If yes,  a. Year of Introduction of the programme(s) and number of batches that completed the programme : NA  b. NCTE recognition details (if applicable) : NA  c. Is the institution opting for assessment and accreditation of Physical Education Programme separately?
19.	Yes No V  If yes,  a. Year of Introduction of the programme(s) and number of batches that completed the programme : NA  b. NCTE recognition details (if applicable) : NA  c. Is the institution opting for assessment and accreditation of Physical Education Programme separately?
19.	Yes No V  If yes,  a. Year of Introduction of the programme(s) and number of batches that completed the programme : NA  b. NCTE recognition details (if applicable) : NA  c. Is the institution opting for assessment and accreditation of Physical Education Programme separately?
19.	Yes No V  If yes,  a. Year of Introduction of the programme(s) and number of batches that completed the programme : NA  b. NCTE recognition details (if applicable) : NA  c. Is the institution opting for assessment and accreditation of Physical Education Programme separately?

### 20. Number of teaching and non-teaching positions in the Institution

		Teaching faculty					Non-		. T. 1	. ,
Positions	Prof	essor		ciate essor				hing aff		nical aff
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC / University / State Government	1	6	3	66	12	23		-		
Recruited	06	02	15	02	16	08	-	-	-	-
Yet to recruit	0	8	1	9	9	9				
Sanctioned by the Management/ society or other authorized bodies	08 19		111		78		46			
Recruited					65	46	55	23	38	08
Yet to recruit	0	8	1	9	0	0	0	0	0	0

<sup>\*</sup>M-Male \*F-Female

### 21. Qualifications of the teaching staff:

Highest	Professor		Associate Professor		Assistant Professor		Total	
qualification	Male	Female	Male	Female	Male	Female	Iotai	
	Permanent teachers							
D.Sc./D.Litt.	-	-	-	-	-	-	-	
Ph.D.	8	2	-	-	-	1	9	
M.Phil.	-	-	-	-	-	-	-	
PG	-	-	15	2	16	8	41	
	r	Tempora	ry teache	rs				
Ph.D.	-	-	-	-	-	-	-	
M.Phil.	-	-	-	-	-	-	-	
PG	-	-	-	-	65	46	111	
Part-time teachers								
Ph.D.	-	-	-	-	-	-	-	
M.Phil.	-	-	-			-	-	
PG	-	-	-	-	-	-	-	

## 22. Number of Visiting Faculty /Guest Faculty engaged with the College. 33

## 23. Furnish the number of the students admitted to the college during the last four academic years.

	2016-17		2015-16		2014-15		2013-14	
Categories	Male	Female	Male	Female	Male	Female	Male	Female
SC	221	74	118	90	146	69	147	48
ST	24	7	2	0	07	01	03	01
OBC	332	94	274	115	258	113	271	111
General	985	481	904	458	988	396	1113	399
Others	169	82	157	48	131	56	126	32

## 24. Details on students enrolment in the college during the current academic year:

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	2425	23	1	8	2448
Students from other states of India	27	-	-	-	27
NRI students	-	-	-	-	-
Foreign students	-	-	-	-	-
Total	2452	23	-	8	2483

<b>25.</b>	<b>Dropout rate in</b>	<b>UG and PG</b>	(average of	the last two	batches)
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UG:	6%	PG:	4%
UU.	070	10.	470

- **26. Unit Cost of Education** (*Unit cost* = *total annual recurring expenditure* (*actual*) *divided by total number of students enrolled*)
  - (a) Including the salary component. Rs. 87,711/(b) Excluding the salary component. Rs. 28,474/-
- 27. Does the college offer any programme/s in distance education mode (DEP)?

Yes	No	$\overline{}$
Yes		<b>_</b>

- **28.** Provide Teacher-student ratio for each of the programme/course offered
  - UG 1:15 PG 1:12

29.	Is the college applying for:
	Accreditation: Cycle 1 ✓ Cycle 2
	Cycle 3 Cycle 4
	Re-Assessment: NA (Cycle Irefers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re-accreditation)
30.	Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only): Not Applicable
31.	Number of working days during the last academic year: 245
32.	Number of teaching days during the last academic year (Teaching days means days on which lectures were engaged excluding the examination days)  171
33.	<b>Date of establishment of Internal Quality Assurance Cell (IQAC)</b> 01/07/2015
34.	Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.  Not Applicable
35.	<ul> <li>Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information)</li> <li>Department of Computer Science &amp; Engineering, Electronics Engineering, Civil and Mechanical Engineering have been accredited by NBA in 2012</li> <li>Shivaji University has recognized the research laboratories in Computer Science &amp; Engineering and Electronics &amp; Telecommunication Engineering programmes.</li> </ul>

### **CRITERION I: CURRICULAR ASPECTS**

### 1.1. Curriculum planning and implementation

1.1.1. State the vision, mission and objectives of the institution and describe how these are communicated to the students, teachers, staff and other stakeholders.

The Vision, Mission and Objectives are as follows:

#### **VISION**

To become a leading institute in producing high quality technical professionals for nation building.

### **MISSION**

- → To nurture the students with high quality education.
- → To promote creativity, excellence and discipline.
- → To explore career opportunities for the students.
- → To enhance industry-institute interaction and research activities.
- → To create social and environmental awareness.

### **QUALITY POLICY**

The College is committed to create quality professionals to meet the emerging industrial and social needs through

- → Innovative quality education.
- → Technology oriented system administration.
- → State of art infrastructure.
- → Congenial and disciplined learning environment.
- → Inculcating moral and ethical values among faculty and students.
- → Aiming at continual improvement in all activities.

### **OBJECTIVES**

- i) To produce technically competent, quality conscious engineers.
- ii) To develop functionally suitable, conducive environment for students and staff for academic purpose.
- iii) To develop the departments into centre of excellence.
- iv) To implement effective and efficient teaching- learning practices.
- v) To increase percentage of campus placements.
- vi) To help the students for personality development and career guidance.
- vii) To develop the students and staff to get international acclamation.

### COMMUNICATION TO STAKE HOLDERS

The Vision and Mission of the college is communicated to the students, teachers, staff and other stakeholders through the following ways:

- → It is displayed at main entrance of the college and at all important places in the campus.
- → It is displayed on the college website.
- → It is published in the academic diary of the college.
- → It is displayed during important events of the college like Conferences /Seminars/Workshops.

## 1.1.2. How does the institution develop and deploy action plans for effective implementation of curriculum? Give details of the process and substantiate through specific examples.

The college follows the curriculum prescribed by Shivaji University, Kolhapur. Prior to beginning of every semester, the Principal conducts meeting for academic planning & briefs the Heads of departments about various academic activities to be conducted in that semester. This is followed by the meetings of individual departments in which the Head of department allocates the workload depending upon the area of specialisation of every faculty. The faculty members are given an academic diary which contains programme educational objectives, course objectives and outcomes of programme and the course.

The faculty prepares lesson plan / plan for laboratory and tutorial work to be conducted in the semester. The faculty maintains records of attendance, records of tests conducted, reports of mentoring and counselling sessions. The record of continuous assessment and previous semester result analysis is also monitored regularly.

The academic diary is regularly checked by the Head of department and the Principal.

## 1.1.3. What type of support (procedural and practical) do the teachers receive (from the university and / or institution) for effectively translating the curriculum and teaching practices?

The faculty uses modern teaching aids such as LCD projectors, Video films, and digital library for conducting classes more effectively. The college encourages the faculty members for participating in conferences, workshops etc. to enrich their knowledge. The college provides ample learning materials and other teaching and reference materials like international, national journals, magazines, Internet connectivity to ensure effective delivery of curriculum. The staff members are given training on how to teach effectively using ICT. The WIPRO Mission 10X experimental learning, the microteaching

methodology, the project based pedagogy, the development of innovative and creative learning models are provided to improve teaching practices. Through Infosys Campus Connect programme some faculty members have been trained on soft skill subjects.

- 1.1.4. Specify the initiative taken up or contribution made by the institution for effective curriculum delivery and transaction on the curriculum provided by the affiliating university or other statutory agency.
  - → Good ambience and well ventilated class room are provided to students.
  - → Wi-Fi connection is provided.
  - → Adequate number of LCD projectors are available in each department for effective curriculum delivery.
  - → Above average students are encouraged and motivated towards excelling in academic performance.
  - → Academically weak students are identified and remedial classes are conducted to improve their academic performance.
  - → FDP/ Seminars/ Workshops/ Conferences are regularly conducted.
  - → Uninterrupted power supply is provided during working hours.
  - → Library is equipped with rich database catering to the needs of students and faculty. Access to e-book and e-journal is provided.
  - → Mini Seminar Hall with adequate seating capacity is available for conducting expert lectures.
  - → Keeping in view the increasing importance of English for career purpose the college have well equipped English language Lab with software installed on multimedia computers
- 1.1.5. How does the college network and interact with beneficiaries such as industry, research bodies and university in effective operationalization of the curriculum?

### → The networking and interactions with industry

To enrich the knowledge of students, to meet the content beyond the syllabus and to gain knowledge on the recent trends regular guest lectures and seminars by eminent industry personalities are conducted.

The college has a Placement cell which networks and interacts with the representatives of industry. The HR managers and industry professionals are regularly invited to the campus to interact with the students on career challenges and opportunities.

As part of industry academia interface regular industrial visits and educational tours are organized for the students to bridge the gap between academia and corporate.

As an affiliated college to Shivaji University, we follow the syllabus prescribed by the university. However, timely modifications are made to meet the global trends through curriculum update, Projects, Value-added courses, industrial visits, Guest Lectures, Workshops, Faculty Development Programmes, participation in Seminars, Symposia, Technical fests, National and International conferences by students and faculty. Certificate courses and add-on courses are efforts to supplement the gap in learning and to add value to existing courses. Some of the Value-added certified courses such as JAVA certification courses, Embedded systems Certification, CAD, are conducted.

These value added courses helps students in gaining an upper hand in procuring jobs.

The college plans several activities in collaboration with industry and university to achieve the objectives of the college.

- i) Signing MOU's various industries.
- ii) The college had an academic alliance with Infosys Campus Connect Programme which minimises the gap between college and industrial requirements.
- iii) Participation in Wipro Mission 10X. The faculty empowerment program was conducted by WIPRO executives for faculty members about innovative teaching methodologies.
- iv) The students are encouraged to undertake the projects based on problems faced by the industries.

Department of Architecture has invited architects of national and international repute, interacted with professional bodies, organizes national and international tours every year and conducts Case studies and market surveys of related topics for subjects. Students of Architecture department also participate enthusiastically in various national and international competitions including zonal and annual NASA(National Association of Students of Architecture in India)

### **→** The networking and interactions with research bodies

The Institution organizes technical symposium/lectures on latest cutting edge technologies by inviting eminent Scientists/Professors from various Research Institutes and organizations and provides a solid platform to interact with them for collaborative activities.

Students and faculty actively participate in activities of IEEE, CSI, SAE and ISTE etc.

### **→** The networking and interactions with university

The college is affiliated to Shivaji University. We follow the syllabus prescribed by the university that has been designed by the Board of Studies consisting of representatives from various departments and colleges affiliated to the University.

The faculty of various departments is encouraged to attend workshops organized by the University regarding syllabi revisions to facilitate the discussion regarding the necessary changes in the syllabus, and to provide their inputs to the forum regarding the same. This also includes regular communication between Board of Studies and the Department faculty for continuous improvement in the teaching-learning process.

Many of the faculty members of our college have been members of Board of Studies and Board of Examiners.

Some of our senior faculty is part of the syllabus/text book committee of the university, in charge of framing the syllabus and writing text books etc.

Composition of teaching faculty of our college also has people with considerable industry experience and they also contribute through feedback mechanism to the Board of Studies whenever the syllabus is due for revision.

Many of the faculty members of our college are regularly involved in question paper setting for BE, M.E, MBA, MCA and PhD semester examinations. The faculty members are also deputed for paper evaluation, as external examiner, CAP Director and also as flying squad members.

1.1.6. What are the contributions of the institution and/or its staff members to the development of the curriculum by the university? (Number of staff members/department represented on the board of studies, student feedback, teachers feedback, stakeholder feedback provided, specific suggestions etc.)

The staff members of the college contribute towards development and implementation of curricular in many ways. Some of the faculty members are/were Members/Chairman of Board of Studies (BOS) and Academic Council members of the Shivaji University, Kolhapur.

The following faculty members of the college were involved in the Shivaji University work for curriculum development:

Sr.	Name of the faculty	Department	Contributed as
1)	Prof.R.G.Savant	Architecture	1

2)	Prof.J.D.Patil	Civil	1	
3)	Prof.M.J.Patil	Civil	2	
	Prof.M.J.Patil		6	
4)	Prof.S.P.Jadhav	Civil		
4)	Prof.A.M.Joshi	CIVII		
	Prof.V.K.Chopdar			
5)	Prof.A.M.Joshi	Civil	7	
3)	Prof.J.D.Patil		/	
6)	Dr.G.A.Patil	CSE	1,2,3,4	
7)	Prof.B.D.Jitkar	CSE	2	
8)	Dr.V.R.Ghorpade	CSE	1,2,3,4,6,7	
9)	Prof.A.J.Jadhav	CSE	2	
10)	Prof.Dr.S.V.Sankpal	Electronics	2,3, 6, 7	
11)	Prof.Dr.A.N.Jadhav	Electronics	1, 2, 3, 4, 5,6	
12)	Prof.M.A.Pardesi	Electronics	6	
13)	Prof.S.B.Patil	Electronics	6	
14)	Prof.Mrs.P.S.Pise	Electronics	6,7	
15)	Prof.Dr.K.V.Kulhalli	I.T.	2,6	
16)	Prof.S.R.Khot	Electronics	4,6	
17)	Prof. S.R. Todkar	Mechanical	2	
18)	Dr. R. B. Koli	Architecture	1,2	
19)	Dr. K. T. Jadhav	Chemical	2, 3, 6	

\*1- BOS Chairman, 2- BOS member, 3- Faculty member, 4- Member of Academic Council, 5- Dean of Engineering Faculty, 6-Syllabus setting, 7-Exam squad

The feedback about the curriculum taken from the students, parents, alumni and industry are collected, consolidated and the view point/suggestions of these stakeholders are communicated to University during syllabus formation/revision is in process.

1.1.7. Does the college develop curriculum for any of the courses offered (other than those under the preview of affiliating university) by it? If yes, give details on the process (needs assessment, design, development and planning) and the courses for which curriculum has been developed.

The scope is limited as the college is an affiliated college to Shivaji University; we adhere to the syllabus prescribed by the university. However, timely modifications are made to meet the global trends through curriculum update, projects, Value-added courses, industrial visits, guest lectures, workshops, faculty development programmes, participation in seminars, symposiums, Technical fests, National and International conferences by students and faculty. Certificate courses and add-on courses are organized to bridge the gap in learning and to add value to existing courses.

### 1.1.8. How does college analyse/ensure that stated objectives of the curriculum are achieved in the course of implementation?

The Principal and the Heads of departments ensure the successful completion of curriculum prescribed by the Shivaji University, Kolhapur. A syllabus coverage report is maintained by the faculty members and it is regularly monitored by Heads and the Principal. Whenever and wherever required, additional classes are provided to the students. A structured feedback mechanism (online) is in place to obtain the information about the performance of the system.

### 1.2. Academic flexibility

## 1.2.1. Specifying the goals and objectives give details of the certificate/diploma/skill development courses etc. offered by the college.

The college offers few short term programs apart from regular academic programs. The courses are offered in association with different institutions to cater the needs of participating students. The primary objective of these courses is to impart industry relevant skills and hands-on experience to make them industry ready. The various certificate/skill development courses offered are:

- i) Database programming by IBM
- ii) MATLAB
- iii) Embedded System
- iv) Networking
- v) Ethical hacking
- vi) Mobile applications development
- vii) Android based application development
- viii) DSP
- ix) Robotics
- x) Infosys Campus connect programme.
- xi) ASPEN plus programming
- xii) AutoCAD Rivet
- xiii) ProgCAD

The students are also trained on aptitude, logical reasoning, communication, group discussion and HR skills by Training and Placement department. Various workshops and hands on experiments are conducted by the Architecture department like sketching, painting, photography, clay modelling and sand art etc.

## 1.2.2. Does the college offer programmes that facilitate twinning /dual degree? If yes, give details.

No. The institution does not offer dual degree programme.

- 1.2.3. Give details on various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issue may cover the following and beyond:
  - Range of core/elective options offered by the University and those opted by the college.
  - Choice based credit system and range of subject options
  - Course offered in modular form
  - Credit transfer and accumulation facility
  - Lateral and vertical mobility within and across programmes and courses
  - Enrichment courses

## → Range of core /elective options offered by the university and those opted by the college.

As per the university curriculum nearly 85% subjects are core subjects and 15% subjects are elective subjects. The elective subjects are offered at VII and VIII semester. Around 100 subjects are available as elective subjects to choose from across eight different programmes. The college offers elective subjects as per the demand of the students and the availability of the expertise in the department.

### → Choice based credit system and range of subject options

Presently the choice based credit system is not available for both UG as well as PG programmes conducted in the college. However, it may be made available by the university in near future probably from the next academic year.

### **→** Course offered in modular form

The college does not offer any course in the modular form.

### → Credit transfer and accumulation facility

There is no provision made by the University for credit transfer and accumulation facility for any of the programmes.

### → Lateral and vertical mobility within and across programmes and courses, enrichment courses

Lateral mobility is possible up to some extent as the students can change the programme of their study at the end of first year. This mobility is controlled by the affiliating university. There is 20%

intake quota available at second year where students completing their Diploma in Engineering are admitted through a government controlled mechanism. Vertical mobility is not permissible as per the present rules and regulations.

#### **→** Enrichment courses

All departments of the college conduct various seminars, workshops, conferences, technical symposia.

For all these courses, expert persons are invited from industries, academic fields to enhance the knowledge of students and faculty.

1.2.4. Does the institution offer self-financed programmes? If yes, list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

Yes. As the college is private unaided college, all the programmes conducted are self-financed programmes.

The admissions of UG and PG courses are conducted as per regulations of Director of Technical Education, Maharashtra state and details are available at www.dte.org.in

The college is affiliated to Shivaji University, Kolhapur and follows the curriculum of the university for UG as well as PG programmes. Details are available on www.unishivaji.ac.in

The fee structure is governed and approved by Shikshan Shulka Samiti/FRA for Technical Education, which is a statutory body of Government of Maharashtra. Details are available on www.sssamiti.org.

The appointments of faculty members are made as per the norms prescribed by All India Council for Technical Education, New Delhi (AICTE), Council of Architecture, New Delhi (CoA) and Shivaji University, Kolhapur.

The salary of the faculty is made as per provisions and rules of Sixth Pay Commission, Ministry of Finance, Government of India, New Delhi and as per government regulation of Government of Maharashtra.

1.2.5. Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If yes, provide details of such programmes and the beneficiaries.

Yes, the college provides additional skill development programmes. The engineering departments in the college organize various skill development programmes. E.g. the department of Computer Science and Engineering conducts skill development programme on Cloud and Cluster Computing. The Architecture Department has started IGBC students chapter for environmental awareness amongst the students and also provides a course on AutoCAD Rivet and ProgeCAD for enhancing the drawing skills of the students of their department.

The college has interview simulator. This simulator is useful to develop skills to face the interviews conducted by various companies for employment. GATE examination software is useful to develop their skills in qualifying examination like GATE.

In house faculty from our college along with some external agencies guide the students of our college to crack qualifying examinations like TOEFL and GRE to secure admission in various foreign universities.

1.2.6. Does the university provide for the flexibility of combining the conventional face to face and Distance Mode of Education for students to choose the courses/combination of their choice? If yes, how does the institution take advantage of such provision for the benefit of students?

As the college is affiliated to Shivaji University, Kolhapur the institution does not provide for the flexibility of combining the conventional face to face and Distance Mode of Education for students to choose the courses/combination of their choice

### 1.3. Curriculum Enrichment

1.3.1. Describe the efforts made by the institution to supplement University's Curriculum to ensure that the academic programmes and institution's goals and objectives are integrated.

The college makes sincere efforts to achieve the academic goals and objectives prescribed in the curriculum prescribed by Shivaji University, Kolhapur. The curriculum of the university covers fundamental as well as advanced aspects of the subjects belonging to the particular branch of engineering. Few subjects of syllabus take care of the needs of students such as soft skills, industrial management and other supplementary skills. In addition to this, efforts are taken to conduct invited talks for each subject. The college organizes National Conference on Emerging Trends in Engineering, Technology and Architecture (NCETETA) every year. First International Conference (iCETETA) was organized on 11<sup>th</sup> March 2017. Attending such conferences broadens the knowledge of the students. In order to hone the technical, managerial and leadership skills amongst the students every department organizes activities such as Acumen, Tech Fest.

## 1.3.2. What are the efforts made by college to enrich and organise the curriculum to enhance the experience of the students so as to cope with the needs of the dynamic employment market?

The college is affiliated to Shivaji University, Kolhapur and it is bound to follow the prescribed curriculum therefore it does not allow to make any changes in curriculum. However the college makes an effort to provide value added training to the students with hands on practice to cater the needs of dynamic employment market. All department regularly arrange seminars, workshops, expert lectures etc. from time to time so that the students and faculty remains updated with the latest knowledge of the industries.

The institution has entered into Memorandum of Understanding (MOU) with leading industries like Infosys, IBM, etc. to share the latest developments with the students and faculty.

### Workshops conducted:

Sr.	Workshop / Training / MOU	Details	Year
1)	MOU with RCF LTD,Thal Alibag.	Provide Training and Project WORK assistance	2016-17
2)	Workshop	Workshop on ASPEN PLUS dated 10to 18 Aug 2016	2016-17
3)	Workshop	Microsoft Global Certification on Cyber Security	2016-17.
4)	Seminar	Seminar on GATE exam &Post graduation by VANI institute Hyderabad	2016-17
5)	Training Programme	Training program under Lead College Activity for third Year	2016-17
6)	Training in Rcf ltd	Students interaction with unit operations and industry dated 8 to 9 sept 2016	2016-17 2015-16 2014-15
7)	Training in Gate prepration	Gate prapration lecture for students	2016-17
8)	Workshop	One day workshop on Gas Chromatography 17/09/2016	2016-17
9)	Workshop	Training Program on Aspen Plus Software	2015-16

10)	MOU with RCF LTD,Chembur Mumbai	Provide Training and Project WORK assistance	2015-16
11)	Workshop	Workshop on Gas Chromatography	2015-16
12)	Workshop	Workshop on ASPEN PLUS dated16 to 21 march 2016	2015-16
13)	Workshop	Workshop on ASPEN PLUS dated19 to 24 aug 2013	2015-16
14)	Workshop	Form follows feelings by Ar. Pramod Beri on 27 <sup>th</sup> to 29 <sup>th</sup> September 2015	2015-16
15)	Seminar	Practical training workshop by Ar. Aniruddha Kolhatkar	2015-16
16)	National Seminar Workshop	IIT Under NMICTE : Structural Engg.	2015-16
17)	workshop	ISTE workshop on "Introduction to Design of Algorithms", 25 to 30 May 2015, conducted under NMEICT by IIT Bombay and funded by HRD ministry.	2015-16
18)	Worshop/Trainning	Workshop By Prolific Systems Pune	2015-16
19)	MOU/Trainning	MOU with Prolific Systems Pune & Texas Instruments	2015-16
20)	Training in Rcf ltd	Students interaction with unit operations and industry dated 22 to 23 sept 2015	2015-16
21)	Training program	Aptitude test, resume writing, & group discussion, interview techniques dt-17/12/2014 to 22/12/2014.	2014-15
22)	Workshop	Oracle certification 11g preparation dt- 7,8/3/2015.	2014-15
23)	Training program	Soft skill, aptitude test $-2/2/15$ to $7/2/15$	2014-15

24)	MOU with Equinox LTD.	Project work assistance ,library sharing and Recruitment	2014-15
25)	Workshop	Currilum development TE CHEMICAL Engg.	2014-15
26)	Campus Connect Program MOU	Between DYPCET & Infosys dt-26/3/2013	2012-13 2013-14 2014-15
27)	Workshop	Student chapter activity Environment awareness, 15 <sup>th</sup> September 2015	2014-15
28)	Seminar	Career management by A.R. Bhujang, Director Illionois institute of technology india Pvt Ltd, Bangalore dt – 7/8/2013.	2013-14
29)	Training program	Aptitude test, resume writing, & group discussion, interview techniques dt- 2 Jan. to 5Jan. 2014.	2013-14
30)	MOU with Mayura steel Industries	Consultancy, student interaction, courses and social activities	2013-14
31)	Training in Rcf ltd	Students interaction with unit operations and industry dated 6 to 7 sept 2013	2013-14
32)	Workshop	Expetation of fresher engineers from industries	2013-14
33)	Training program	Aptitude test, resume writing, & group discussion, interview techniques dt- 9 to 14 Feb. 2013.	2012-13
34)	Workshop	Android workshop on 23, 24 Feb. & 2, 3 March 2013.	2012-13
35)	Workshop	Aakash for education IIT, Bombay on 10, 11 Nov. 2012.	2012-13
36)	Training program by a firm from Hyderabad.	Aptitude test, resume writing & group discussion, dt- 6 sept. to 9 sept. 2012.	2012-13
37)	Workshop	Research Methodology, 25 June to 4 July by IIT, Bombay.	2012-13
38)	Training Program	IBM-DB2 (1-3 August 2012 )	2012-13
39)	Seminar	Workshop on Multi-OS-installation, 13, 14,15,16,17 August 2012.	2012-13

40)	Seminar	Android OS by Ankit Pol, Square robotics, 4 August 2012.	2012-13
41)	Seminar	Soft skill development by Anuj Jain, Infosys dt-5/2/2013.	2012-13
42)	Seminar on campus placement	Seminar given by Siddharth Tongary, dt-25/3/13.	2012-13
43)	Seminar	Sustainability awareness workshop by Ar.S.L.Kholatkar, 8 <sup>th</sup> September 2012	2012-13

## 1.3.3. Enumerate the efforts made by institution to integrate the cross cutting issues such as Gender, Climate Change, Environment Education, Human Rights, ICT etc. into the curriculum.

The college believes in maintaining healthy environment for all of its stakeholders. There are various committees which take care of its stakeholders such as Internal Compaint Committee (ICC), Anti Ragging Committee, Standing Committee, IGBC etc. are formed.

The college has National Service Scheme (NSS) cell having around 300 student members. NSS through *Srushti Nature Club* organizes various events for tree plantation, water conservation, sound pollution awareness, Earth Hour etc.

The college firmly believes in Gender Equality, therefore to empower women students' self defence programmes are conducted in which they are taught basic lessons of Karate.

The college is playing a pioneering role to imbibe the basic issue of climate change. To increase the awareness of green house effect and CO<sub>2</sub> emission amongst the society, a programme called as Earth Hour is celebrated on second Sunday of February every year. The print and electronic media have noted this effort and have acknowledged it. For the similar cause, the college observes a No Vehicle Day once in a semester.

The students of our college have been helping regularly to Kolhapur Police during Ganesh Immersion Festival every year to maintain discipline and order in the procession. The Superintendant of Police, Kolhapur has always appreciated this effort.

As per the directives of the Supreme Court of India, the students have a compulsory subject of Environmental Science at the second year of all programmes. In this subject, the students study basic components of environment, the application of these components in various fields. Separate qualified and experienced faculty has been appointed to teach the subject to the students.

The women empowerment is a key issue in today's world. The institution has Internal Compaint Committee (ICC), constituted as per government directives.

There is an anti ragging committee in the institution. The names of the committee members along with their mobile numbers are displayed at different places in the institution. Any student can lodge a complaint without disclosing his/ her identity in case of any untoward incident.

21<sup>st</sup> Century is driven by Information and Communication Technology (ICT). Appropriate efforts are taken by the college to eliminate the digital divide. The department of Information Technology and Computer Science and Engineering organizes various programmes on ICT under NMEICT, MHRD, and Govt. of India.

### 1.3.4. What are various value added courses/enrichment programmes offered to ensure holistic development of students?

- Moral and ethical values
- Employable and life skills
- Better career options
- Community orientation

#### **→** Moral and ethical values

Our institutional mission underscores value inculcation and sensitivity to social concerns. To ensure holistic development and to inculcate the moral and ethical values of the students, the college arranges programmes on blood donation camps, AIDS awareness, eco-friendly environment awareness, plastic waste management, global warming, financial contribution to disaster relief fund, NSS camp.

### **→** Employable and life skills

Keeping in view the increasing importance of English for career purpose we have a well equipped English Language Lab with the software that consists of interactive learning kits which help student enhance their communication and employability skills. The college recognizes the importance of life skills & regularly organizes cultural, co-curricular and sports activities like 'Arpan'-Annual College Day towards development life skills.

### **→** Better career options

To increase employability of the students, several value added programmes are conducted under Training and Placement cell. The activities such as Aptitude tests, group discussion activity, Personality development, Pre Interview preparation, interview techniques are useful to the students.

### **→** Community orientation

National Service Scheme (NSS) renders service to the nearby villages with the help of NSS members both boys and girls camping in the villages and cleaning the villages, creating and conducting awareness programmes on adult literacy.

### 1.3.5. Citing a few examples, enumerate on the extent of the use of feedback from stakeholders in enriching the curriculum.

The institution has a mechanism to obtain the feedback from all its stakeholders. The feedback on the enrichment of the curriculum is obtained from the parents, alumni and employers periodically. The data is conveyed through the Board of Studies of respective programme to the university.

### 1.3.6. How does the institution monitor and evaluate the quality of its enrichment programmes?

Apart from regular academic process, the college gives top priority to the student enrichment programmes. It is the need of the time to develop the overall personality of the student so that he will become more employable. The programmes such as AutoCAD Rivet, ASPEN PLUS, IBM supplementary courses etc. are conducted every year by the departments to name a few and the quality of these programmes is monitored by the heads of the departments along with senior faculty members of the department. The feedback of these programmes is submitted to the Principal from time to time. Depending upon the feedback from participants and other stakeholders, the modification in the course content is made.

### 1.4. Feedback System

### 1.4.1. What are the contributions of the institution in the design and development of the curriculum prepared by the University?

The college is affiliated to Shivaji University, Kolhapur. The university modifies the curriculum every five years. For the design and modification of curriculum, the Board of Studies of Shivaji University, Kolhapur organise workshops for faculty members. Our college deputes maximum faculty members for these workshops and they actively participate in the design and modification of curriculum. The suggestions of the faculty members are incorporated in the final draft of the curriculum. In addition to this, the college had a very good representation on various authorities of the university.

# 1.4.2. Is there a formal mechanism to obtain a feedback from students and stakeholders on curriculum? If yes, how is it communicated to the university and made use internally for curriculum enrichments and introducing changes / new programmes?

Yes, the college has a formal mechanism to obtain the feedback from its various stakeholders.

- → Student's feedback: The student's feedback is obtained twice in a semester.
- → Parent's feedback: The parent's feedback is obtained once in a year during parents meet.

→ Alumni feedback: The alumni feedback is obtained every year during alumni meet.

The feedback obtained through the stakeholders is communicated to the university through appropriate authorities to incorporate changes in the curriculum and introduction of new courses through BoS.

1.4.3. How many new programmes were introduced by the institution during last four years? What was the rationale for introducing new course /programmes?

Any other relevant information regarding curricular aspects which the institute would like to include.

In the last four years no new programmes were introduced by the college. But for last few years, the demand for core courses such as Civil Engineering, Computer Science and Engineering and Mechanical Engineering has been increased. Therefore although these branches were started in 1984, increase in the intake was made from academic year 2012-13.

### **CRITERION II: TEACHING, LEARNING & EVALUATION**

### 2.1. Student Enrolment and Profile

## 2.1.1. How does the college ensure publicity and transparency in the admission process?

### **Publicity**

- → The Directorate of Technical Education (DTE), Government of Maharashtra carries the centralized admission process (CAP) of First year Engg. It announces the notification on the official website for information to aspirant students. Our college follows this admission process which ensures total transparency.
- → The college advertises the admission process in leading State and National level news papers and news channels.
- → The college has its own admission cell to provide the information about the admission matters to parents and candidates.
- → Architecture Admission process: The college is a part of the centralized admission process (CAP) of Maharashtra Association of Schools Of Architecture (MASA), Government of Maharashtra. Admission notification is hosted by MASA, Maharashtra on their website.

### **Transparency**

- → The admission process for 80 % of sanctioned intake is governed and managed by the centralized admission process (CAP), Govt. of Maharashtra on-line counseling process and the whole process is fully transparent for everybody from students to the college authority.
- → Students have a freedom to choose any college and course through online registration process.
- → 20% Management quota seats are filled at the college level as per the admission rules of DTE.
- → Architecture Admission process:- The admission process for 80 % of intake is governed and managed by the MASA CAP, Govt. of Maharashtra on-line counseling process and the whole process is fully transparent for everybody from students to the college authority. Students can fill up the choice of the college by on-line counseling process followed by online registration. 20% Management quota seats are filled at the college level as per the admission rules of MASA/DTE.

2.1.2. Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programs of the Institution.

The college participates in centralized admission process of DTE, Maharashtra State Government. It follows all admission rules, regulations and guidelines set up by the state government.

#### Admissions to UG

- → 65% Students are admitted through MHT-CET score & HSC (PCM) marks.
- → 15% Students are admitted through Joint Entrance Examination (JEE mains Paper 1) and MHT-CET score
- → 20% Students are admitted under Management Quota subject to having valid score in HSC (PCM)and MHT-CET score or JEE mains (Paper 1)
- → 20% Students of approved intake are admitted through Central Admission Process Conducted by DTE, Maharashtra for Lateral Entry in 2nd year.

#### Admissions to PG

- → The candidate should possess Bachelor degree in the relevant course of Engineering/Technology as specified in the eligibility criteria of the concerned University for which admission is being sought to a particular Post graduate degree course/specialization.
- → The Selection Process for admission is based on the score in the national level Graduate Aptitude Test for Engineering (GATE) conducted by IITs.

#### Architecture

#### Admissions to UG

- → 80% Students are admitted through Average score of National Aptitude Test of Architecture (NATA) and HSC or Equivalent exam marks.
- → 20% Students are admitted under Management Quota subject to having valid score in NATA and HSC or Equivalent exam marks as per the merit list.

- 2.1.3. Give the minimum and maximum percentage of marks for admission at entry level for each of the programs offered by the college and provide a comparison with other colleges of the affiliating university within the city/district
  - The details of marks at admission at entry level are given below.

Sr.	Programme	Year of	Minimum CET marks of			Maximum CET marks of		
		Admission		admitted students			itted stud	
			DYP	KIT	TKIET	DYP	KIT	TKIET
	Chemical		39		51	123		137
	Civil		31	39	53	118	117	109
	CSE		40	59	36	129	171	113
1	Electronics	2016-17	42	55	46	115	174	92
	IT		NA			NA		
	Mechanical		46	46	42	104	146	147
	Production		48	47		69	99	
	Chemical		20.58		33.20	81.48		77.70
	Civil		11.41	19.63	29.35	81.14	309753	81.36
	CSE		3.44	42.83	14.39	83.67	219208	81.18
2	Electronics	2015-16	17.50	13.04	1.02	76.13	438883	72.04
	IT		NA			NA		-
	Mechanical		7.84	30.41	20.47	87.96	167415	89.93
	Production		18.38	18.19		59.52	436314	-
	Chemical		21.27		51.48	68.56		67.11
	Civil		20.92	37.79	61.59	71.41	87.84	67.37
	CSE		12.03	31.18	35.99	60.3	91.4	55.35
3	Electronics	2014-15*	19.11	29.59	26.22	73.33	96.35	39.74
	IT		16.76	28.29	ı	27.26	86.68	ı
	Mechanical		32.41	17.77	68.59	94.11	93.71	78.89
	Production		16.30	19.79		49.87	73.21	1
	Chemical		07		51	92		137
	Civil		30	43	63	127	117	111
	CSE		47	64	46	108	129	94
4	Electronics	2013-14	44	40.5	57	94	136	95
	IT		52	43	-	74	102	-
	Mechanical		45	40	93	128	157	131
	Production		35	45	-	84	108	-

Note: \* indicates composite score based on JEE Mains (Paper I)

**Department: Architecture** 

Sr.	Year of admission	Minimum NATA + HSC marks of admitted students		marks o	NATA + HSC f admitted dents
		DYP CAK		DYP	CAK
1)	2016-17	87.04	93.54	155	140
2)	2015-16	93.54	92.62	130.5	140.96
3)	2014-15	87.5	91.69	141.70	137.8
4)	2013-14	90.17	91	123.50	128

- 2.1.4. Is there a mechanism in the institution to review the admission process and student profiles annually? If 'yes' what is the outcome of such an effort and how has it contributed to the improvement of the process?
  - → The college has set up an Admission Cell, which is responsible to review the admission process and student profile annually. The Admission Cell of the college collects the detailed information about the admitted students and analyze it to categorize the students on the following aspects:
  - → PCM and CET/JEE marks.
  - → Academic background
  - **→** Economic status
  - → Gender representation

#### **Outcome:**

This helps to understand the market trend (i.e. expectations of prospective students from different branches).

#### **Contribution to Improvement of the process:**

Based on the outcome the college decides the advertising strategy to improve the admission number. Remedial classes are conducted for the needy students. Tuition fee is fully or partially waived for highly merited and needy candidates. Training and placement activities are strengthened to place more number of students.

- 2.1.5. Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate / reflect the National commitment to diversity and inclusion SC/ST, OBC, Women, Differently abled Economically weaker sections Minority community, Any other
  - → As admission process in the State is governed by Director Technical Education; College follows the rules, regulations and

guidelines set up by state government body. It admits students of categories like SC, ST, and OBC, women, economically weaker sections as per the government norms, rules and regulations and allotments.

- → College offers the admissions under the Tuition Fee Waiver Scheme which is mainly developed for Economically Weaker Section of the society as allotted by the central admissions committee.
- → State government provides scholarships to students from minority communities.
- → There is special reservation for the candidate of J and K and government of India (Mizoram student) as per the norms.
- 2.1.6. Provide the following details for various programs offered by the institution during the last four years and comment on the trends. i.e. reasons for increase/decrease and actions initiated for improvement

#### → UG

Sr.	Name of Programme	Year	Intake Capacity (A)	No. of Students Admitted (B)
		2016-17	80	80
1	Architecture	2015-16	80	80
1	Arcintecture	2014-15	80	80
		2013-14	80	80
		2016-17	60	39
2	Chamical Engineering	2015-16	60	24
	Chemical Engineering	2014-15	60	43
		2013-14	60	31
	Civil Engineering	2016-17	120	84
3		2015-16	120	81
3		2014-15	120	68
		2013-14	60	58
		2016-17	120	90
4	Computer Science &	2015-16	120	75
4	Engineering	2014-15	120	67
		2013-14	120	76
		2016-17	60	11
5	Electronics Engineering	2015-16	60	10
)	Electronics Engineering	2014-15	60	25
		2013-14	60	48

		2016-17	NA	NA
_		2015-16	60	0
6	Information Technology	2014-15	60	7
		2013-14	60	10
	Mechanical Engineering	2016-17	120	78
7		2015-16	120	80
/		2014-15	120	118
		2013-14	120	109
		2016-17	60	04
8	Production Engineering	2015-16	60	05
0		2014-15	60	31
		2013-14	60	30

#### → PG

Sr.	Name of Programme	Year	Intake Capacity	No. of Students Admitted
		2016-17	18	0
1	Computer Science & Engineering	2015-16	18	10
1		2014-15	18	18
		2013-14	18	18
		2016-17	18	04
2	Electronics and Telecommunication	2015-16	18	09
2		2014-15	18	16
	Engineering	2013-14	18	18

The trend of admissions is governed by various National as well as International reasons. The overall decline in admission is believed to be due to the following reasons.

- → The overall intake to engineering colleges in India and in particular to Maharashtra has been increased.
- → The intake to most of the engineering colleges in the vicinity of our college has increased remarkably and the number of engineering colleges affiliated to Shivaji University, Kolhapur has also been increased.
- → Due to recession in industries at national and global level.

#### **Action for improvement:**

- → Advertisement in News Papers and electronic media.
- → Counseling before admission process and after declaration of HSC/JEE examination results.

→ Strengthening training and placement activities by providing value added courses and special coaching to students to enable them to compete and succeed in the on and off campus interviews.

#### Reasons for increase in demand ratio (Architecture) UG

- → Government policies like smart cities and industrial corridor are going to generate many opportunities for architects in future.
- → College conducts NATA Orientation program for aspiring candidates in the department.

#### 2.2. Catering to Student Diversity

2.2.1. How does the institution cater to the needs of differently- abled students and ensure adherence to government policies in this regard?

Policies adopted by government for differently-abled students are strictly followed.

2.2.2. Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the Programme? If 'yes', give details on the process.

Yes, there is a provision for assessing student's knowledge and skills before the commencement of the programme. The strategy includes:

- → The qualifying marks and the overall rankings in the merit list of the student's gives information about student's needs in terms of the knowledge and skills to be imparted before commencement of the program.
- → The College organizes informative lectures for newly admitted students to give college information, the various activities, evaluation /assessment process carried by the college along with course curriculum conduction.
- → At the beginning of the semester, the first lecture of each course is utilized by faculty to motivate the students to develop the positive approach and interest towards the course (subject).
- → Slow learners are identified from test results and are advised to undergo a refresher course.
- 2.2.3. What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/Add-on/Enrichment Courses etc.) to enable them to cope with the Programme of their choice?
  - → Identification of gap between 12<sup>th</sup> standard and first year syllabus, and considering it as a prerequisite, the lectures are planned and delivered.
  - → Add-on and remedial lectures are conducted for weaker students.

- → Expert lectures are organized from industry as well as academia.
- → Lecture sessions to provide additional inputs to students so as to enrich their knowledge in the relevant subjects to enable them to enhance their performance in campus placements.
- → College organizes interdisciplinary competitions such as programming and quiz as well as deputes the students for such competitions.

### 2.2.4. How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?

- → College provides equal opportunity for all to participate in various activities and processes which include administrative activities, co curricular and extracurricular activities, sports, deputation to the courses and higher studies, appointments, committees, placements etc. without any discrimination (gender, caste, religion).
- → Women's grievance redressal committee (ICC) is formed for the security, welfare and grievance redressal of women employees and girl students.
- → College celebrates Women's Day and organizes seminars regularly on women empowerment.
- → College organizes events like get-together, annual social functions to promote harmony and inclusion.
- → To sensitize the student's college organizes NSS activities like Earth Hour, tree plantation, no vehicle day to maintain environmental consciousness and help the society to maintain cleanliness and enhance its awareness among the people.

### 2.2.5. How does the institution identify and respond to special educational/learning needs of advanced learners?

The advanced learners are identified from their participation in classroom discussion, performance in the assessment tests, continuous assessment, oral examination, participation in classroom seminars and their curious nature, University result analysis etc.

- → College encourages the advanced learners to participate in workshops and seminars to gain knowledge on the latest trends in Engineering & Technology developments.
- → Advanced learners are encouraged to participate in technical events such as programming contest, project competitions, exhibitions etc. to different IITs, NITs etc.

- → Students are encouraged to take industry based/sponsored projects, mini projects on advanced topics as well as topics that helps the societal needs.
- → They are encouraged to take up competitive exams such as GRE, GATE, CAT, MPSC, UPSC etc.
- → Special GATE coaching for advanced learners is given by concerned faculty. GATE preparation coaching software is installed.
- 2.2.6. How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?
  - → Regularly conducted Internal evaluation tests, University result analysis and regular interaction between faculty mentor and student help to get the information about students from the disadvantaged sections of society, slow learners and economically weaker students.
  - → College carries the university result analysis of different classes so as to get the information of the student's academic performance at the risk of drop out.
  - → The mentor regularly interacts with students assigned to them so as to find out academic performance and helps them thro' counseling and useful guidance.

#### The college uses the data as follows.

#### **Physically Challenged**

Faculty can provide special arrangements to teach the syllabus contents as per the convenience of the respective students.

#### **Slow learner**

- → The college arranges remedial lecturers for slow learners
- → Faculty teaches the content as per requirement of slow learners.
- → Faculty informs the parents regarding improvement in the performance of their ward on regular basis.
- → Faculty uploads notes on MOODLE to understand the content easily (in CSE and IT Dept.).

- → Attempts are made by the faculty to give personal attention to these students.
- → Specially developed question banks and assignments are given.
- → Participative and progressive slow learners are given chance to improve term work to motivate and appreciate their efforts.

#### **Economically Weaker Section**

- → College provides TFWS facility.
- → Tuition fee is fully or partially waived for needy and meritorious students.
- → College provides the facility to pay the fees in installments for needy students College provides information about government and NGO aids, scholarship etc.
- → College offers book bank facility.

#### **Disadvantaged sections of society**

- → SC/ST/OBC/minority students are given benefits of reservations in admission and scholarship as per government norms.
- → College provides information about free ships, EBC scholarship, different government schemes and education loan facilities to the students and their parents.

#### 2.3. Teaching-Learning Process

- 2.3.1. How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print etc.)
  - → Academic year / semester starts as per the schedule provided by Shivaji University, Kolhapur.
  - → Academic Calendar is prepared prior to the commencement of the academic year by the Principal in consultation with Heads of departments. The Academic Calendar includes the start and end dates of each semester stating various activities to be conducted, the internal evaluation schedule and the tentative schedule of Practical Oral Examinations (POE).
  - → Considering the competency matrix, the head of department allocates subjects for teaching to the faculty every semester well in advance. Department time table is prepared and along with academic calendar it is displayed on notice board.

- → Beginning of every semester, academic diaries are provided to all faculty. Each faculty member prepares and writes a teaching / laboratory plan for the subject assigned in their academic diaries. Faculty maintains the attendance record for each theory/ laboratory course and the performance of students in tests in their diaries. Students are informed about the continuous assessment policy in the beginning of every semester.
- → Head of department along with project coordinator conducts the special informative session to final year students to enhance the awareness and importance of their project work in their future and importance of lifelong / continuous learning. The project coordinator guide students for formation of project group, team leader and prepares the detailed schedule of projects, seminars.
- → The college conducts two unit tests in every semester. The students and parents are informed about their performance. Mock practicals and orals are conducted every semester before University Examination. The mentor discusses with students about their academic performance, personal problems and gives guidance about the improvement.
- → The college collects feedback from the students formally as well as informally on quality of teaching, resources etc. Student's feedback is analyzed and improvement plans are initiated to enhance quality of education. Every year 'Parent meet' is organized to discuss on issues like teaching learning process, infrastructural facilities, performance of their wards and placement activity.
- → The college carries co-curricular and extracurricular activities to supplement the overall development of students.

### 2.3.2. How does IQAC contribute to improve the teaching-learning process?

- → The IQAC will work towards realization of the goals of quality enhancement and it is a continuous process.
- → To review the academic progress of the college and suggest the measures to improve them.
- → To promote, motivate Research and Development and Consultancy work.
- → Conduct periodical discussion with all heads of department regarding academic audit and for further improvement.

# 2.3.3. How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

→ By giving home assignment, tutorials, problems and taking follow up, help the student to explore various learning resources like the

- Internet and libraries etc. which will enable to develop self study, analytical and reasoning capabilities.
- → Students are encouraged to see video lectures (NPTEL), e-books, models and charts.
- → Students are guided to identify and propose academically significant places for field trips and educational tours. The faculty members plan and organize the industrial visits with the support of the student's coordinators.
- → Group activities are encouraged among the students for collaborative learning.
- → Quiz program are conducted for students.
- 2.3.4. How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?
  - → The college organizes various events which include paper presentation, model exhibitions, programming skill competitions, quiz competition, Poster presentation, Project demonstration etc. to develop creativity and critical thinking among the students.
  - → The college encourages and guides students to participate in national level competitions organized by other Colleges and Universities.
  - → Students are encouraged to get involved in industry sponsored projects as a part of their curriculum in final year.
  - → The college gives facility to participation in competitive examinations and higher studies.
- 2.3.5. What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning resources from National programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

Following technologies and facilities are used by the faculty:

- → The college has Wi-Fi facility.
- → The college has GATE software, Interview simulator, Architectural Documentaries Videos apart from various technical softwares required for different programmes.
- → NPTEL lectures are made available to the faculty as well as interested students.

- → The college is working as Remote Centre under National Mission on Education through Information and Communication Technology for various courses conducted by IIT, Bombay and IIT, Kharagpur.
- → The college provide facility such as E-books, E-Journals etc.
- 2.3.6. How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?

The college helps faculty and students for updating their knowledge and skills by encouraging them to attend different training program and workshops. The college also organizes various programmes in the college.

- → Different training programs, expert lectures, industrial visits are arranged for student every year.
- → The faculty of our college is deputed regularly to attend workshop and conferences every year. Every department conducts one short term course for faculty every year.
- → The college has the student's chapters and institutional membership of various professional bodies such as CSI, IEEE, AIIA, AE, IIID, SAE and ISTE through which various events are organized for the benefit of the students and faculty.
- 2.3.7. Detail (process and the number of students \benefitted) on the academic, personal and psycho-social support and guidance services (professional counselling /mentoring / academic advise) provided to students?
  - → All the students get the academic and personal guidance from the concerned subject teacher, class teacher, as well as head of department.
  - → Group of students are allotted to an individual faculty member as a Mentor who is meeting with student periodically. Issues related to academic performance, attendance, physical and mental status and any personal problems are discussed and corrective measures are suggested
- 2.3.8. Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faulty to adopt new and innovative approaches and the impact of such innovative practices on student learning?
  - → The faculty members try to make lectures more student-centric by using ICT based teaching, co-operative learning by group discussion in classroom.

- → The students are assigned different tasks such as Group Assignment, Problem Solving tutorials, Mini Project work. This activity helps to improve self learning ability and teamwork.
- → Deputation of the faculty for teaching learning programs like WIPRO Mission 10X, soft skill program by Infosys etc.
- → Students are encouraged to take Spoken tutorials provided by IIT, Bombay.

### 2.3.9. How are library resources used to augment the teaching learning process?

Faculty and students use the central library for regular studies, projects and research. The following services are provided for the student and faculty

- → Reference section, News paper section, Magazine section, Digital library, Reading room, Book Bank.
- → Flexible working hours and open access is provided.

Apart from central library, each department has its own departmental library to facilitate easy access to the faculty and students.

# 2.3.10. Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.

Yes, occasionally the classes are cancelled or the college declares holiday due to administrative/unforeseen reasons. Secondly, state government admission process and late declaration of the university results and finally the time allotted in the syllabi for a particular course may not be sufficient. These are some of the challenges faced by the college in completing the curriculum within time.

Following efforts are taken to overcome these challenges:

- → Academic calendar of event is prepared well in advance at college and department level.
- → Zero hour lectures and lectures on the weekends are conducted to complete the syllabus.
- → Extra lectures and practicals are conducted as per the need and convenience of the students.

### 2.3.11. How does the institute monitor and evaluate the quality of teaching learning?

→ Effective implementation of academic calendar is ensured.

- → Two mid-term test, assignments, tutorials, viva etc. are conducted at regular intervals and they are analyzed to improve quality of teaching-learning.
- → Student feedback is taken. After analyzing student's feedback, proper instructions are given to individual faculty member by head of department.
- → Each department monitors University ranks, results and evaluates the teaching learning process.
- 2.4.1. Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum

#### **Recruitment Strategies**

#### → Recruitment by Shivaji University Selection Committee:

Requirement of faculty is on the basis of workload and accordingly, roaster is finalized in association with Shivaji University, Kolhapur. Applications are invited after the approval from the Shivaji University for the advertisement in news papers. Applications are scrutinized by scrutiny committee appointed by Principal. The Vice Chancellor appoints the selection committee as per norms and interviews are conducted by this committee. Names of Selected candidates are sent to Shivaji University authority for approval.

#### **→** Recruitment by Local Staff Selection committee:

For appointments on temporary basis, applications are invited for interviews through news paper advertisement. The local selection committee consists of the Principal, Heads of departments, internal and external subject experts and representative from management. The recommendation of the committee is forwarded to the Chairman, BoG of college for approval after which appointment orders are issued.

#### **Retention Strategies**

- → The college extends latest AICTE pay scales to its entire faculty along with allowances.
- → The college has adopted standard policies/ norms for increment and promotions.
- → The college deputes faculty for higher studies and they are constantly encouraged to attend conferences and training programs.
- → Financial assistance is given to attend workshops, National/ International conferences, seminars etc.

Highest		fessor	Associate Professor		Assistant Professor		Total
qualification	Male	Female	Male	Female	Male	Female	
		Permane	nt teache	rs			
D.Sc./D.Litt.	-	-	-	-	-	-	-
Ph.D.	6	2	-	-	-	1	9
M.Phil.	-	-	-	-	-	-	-
PG	-	-	15	2	16	8	41
	,	Tempora	ry teache	ers			
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	65	46	111
	Part-time teachers						
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-

- 2.4.2. How does the institution cope with the growing demand / scarcity of qualified senior faculty to teach new programmes / modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.
  - The college recruitment process is open throughout the year and whenever the college gets qualified senior faculty, it conducts interviews and appoints them.
  - The college has a policy towards inviting senior professors/ industry experts as visiting faculty to teach new programmes and modern subjects whenever required.
  - The college has subscribed for NPTEL and Spoken Tutorial which augments and fills in the gap whenever there is scarcity of qualified senior faculty in handling a specific subject.
  - The college organizes expert lectures by inviting the senior and experienced persons from industries and academic Institutes.
  - The college encourages the faculty members to attend the workshops, seminar and conferences on latest topics and emerging areas.
  - The last three years, the college has invited various Senior Professors/industry Experts to teach new programmes.

## 2.4.3. Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

#### a) Nomination to staff development programmes:

Academic Staff	Number of faculty Nominated					
Development Programmes	2016-17	2015-2016	2014-15	2013-14		
Refresher courses	13	12	17	8		
HRD programmes (FDP)	17	19	16	14		
Orientation programmes	4	2	1	11		
Staff training conducted by the university	4	2	-	-		
Staff training conducted by other institutions	3	6	-	1		
Summer / winter schools, workshops, etc.	85	80	74	71		

## b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching learning:

There are various types of program conducted for faculty include software training, new curriculum awareness, NMICT workshops etc.

Sr.	Name of Activity	Department	Dates	Sponsoring Agency
1	Introduction to research methodology	Architecture	2012	IIT, Mumbai
2	'Green Building Awareness" by IIT Bombay	Architecture	2013	IIT ,Mumbai
3	IGBC	Architecture	2014	Self Sponsored
4	Training Program on Aspen Plus Software	Chemical	19- 24 Aug 2013	Self sponsored
5	STTP on "Fluid Flow &Unit Operations with Plant Visit" at RCF Ltd., Mumbai	Chemical	6- 7 Sept. 2013	Self sponsored
6	One day workshop on "Expectations of Industries from Fresher Chemical Engineers"	Chemical	10 <sup>th</sup> Feb 2014	Self sponsored

7	STTP on "Fluid Flow & Unit Operations with Plant Visit" at RCF Ltd., Mumbai	Chemical	19- 20 Sept 2014	Self sponsored
8	One day workshop on Curriculum Development in Chemical Engg.	Chemical	14th Feb 2015	Self sponsored
9	Workshop on Latex	CSE	6/3/2012.	Self sponsored
10	Aakash for education IIT, Bombay.	CSE	10,11 Nov. 2012	IIT, Bombay
11	Research Methodology, by IIT, Bombay	CSE	25June- 4 July 2013.	IIT, Bombay
12	IIT workshop on Network	CSE	2013-14	IIT, Bombay
13	IIT workshop on Introduction to design of algorithms.	CSE	25–30May 2015	IIT, Bombay
14	Two week workshop on Control System	Electronics	2- 12 Dec 2014	I.I.T. kharagpur
15	Syllabus Revision workshop (S.E. Electronics)	Electronics	30 Jan 2014	Self- sponsored
16	Two week ISTE workshop on Signal & System	Electronics	2- 12 Jan 2014	I.I.T. kharagpur
17	Recent Trends in design, development & application in Digital signal Processing	Electronics	15- 20 July 2013	Self- sponsored
18	Recent trends in wireless communication & Networking	Electronics	13 -18 Feb2012	Self- sponsored
19	NSCC workshop	IT	28May-5 Jully2014	IIT,
20	FEM workshop	IT	21 Aug 2014	Self- sponsored
21	IITB 'C' programming	IT	20May-21 June2014	IIT, Bombay
22	IITB Computer Network	IT	31 June -5 Jully2014	IIT, Bombay
23	IITB Cyber Laws	IT	10-20 Jully2014	IIT, Bombay
24	Faculty development program	Mechanical	17 oct.2013	self- sponsored

25	Teaching Methodology	Mechanical	5 sept.2014	self- sponsored
26	Two week ISTE program on Fluid mechanics	Mechanical	20 to 30 May	ISTE
27	Two week workshop on engineering mechanics	Mechanical	26 Nov6 Dec.2013	IIT Bombay
28	Two week workshop on engineering mechanics	Mechanical	26 Nov6 Dec.2013	IIT Bombay
29	Faculty development program Cryogenics	Mechanical	29 March 2016	ISTE
30	One day Workshop on P- V Solar Cell	Mechanical	3 March 2017	self- sponsored
31	One day workshop on tool Engineering	Production	6 <sup>th</sup> Oct 2013	ISTE
32	One day workshop on Plastic Technology	Production	13 <sup>rd</sup> Oct 2013	Self sponsored
33	One day workshop on Foundry Technology	Production	27 <sup>TH</sup> March 2013	Self sponsored
34	Two day workshop on Robotics	Production	22,23/03/2014	Robomagic pvt. Ltd
35	One day workshop on curriculum development of S.E Production.	Production	26/03/2014	Self sponsored
36	Advances in metrology and portable CMM demonstration	Production	11 Feb 2015	Self sponsored
37	IIT Workshop Under NMICTE : Engineering Mechanics	Civil	26/11/2013 to 6/12/2013	Ministry of HRD through IIT Bombay
38	Workshop for Syllabus setting for the Subject Engineering Geology	Civil	09/08/2015	College
39	IIT Workshop Under NMICTE : Structural Engg.	Civil	30/11/2015 to 9/01/2016	Ministry of HRD through IIT Kharagpur

#### c) Percentage of faculty:

Event	Total Number
Invited as resource person in Workshop/ Seminar/ Conferences	46
Participated in Workshops/ Seminar/ Conferences	89
Presented paper in Workshops/ Seminar/ Conference	71

2.4.4. What policies/systems are in place to recharge teachers? (e.g.: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)

The college provides full support to faculty for their overall growth and development.

To recharge the teachers:

- → The college encourages/deputes the faculty for higher studies such as PG and Ph.D. Program.
- → The college sponsors faculty for seminar, conferences, summer and winter schools and industrial training.
- → The college offers desktop, laptop with Internet facility to senior faculty.
- → The college organizes National conference, FDPs, summer and winter schools/ Workshops for the faculty.
- → The college deputes faculty for industrial visits.
- → The faculties are also deputed for short term / orientation courses during vacation or non vacation days without hampering to academic work.
- 2.4.5. Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enumerate how the institutional culture and environment contributed to such performance/ achievement of the faculty.

Sr.	Year	Name of Faculty	Department	Award	Level
				Best	ISTE,
1	2016	Dr.V.R.Ghorpade	Principal	Engineering	Mah. &
1	2010	Di. v.R. Ghorpade	Timeipai	College	Goa
				Principal Award	Section
			Production	Best NSS	Shivaji
2	2016	Prof.P.D.Chougule	Dept.	Co-ordinator	University,
			Бері.		Kolhapur
3	2014	Prof.I.S.Jadhav	Architecture	IIA Best Editor	National
3	2014	F101.1.3.Jauliav	Architecture	Award	
				Best Technical	Assos. Of
4	2014	Prof. A. M Joshi	Civil	Teacher	Arch. &
4	2014	FIOLA. WI JOSHI	Civii		Eng.,
					Kolhapur
5	2013	Prof.R.G.Sawant	Architecture	IIA Best	Kolhapur
	2013	F101.K.O.Sawaiit	Architecture	Teacher Award	Chapter

## 2.4.6. Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?

Yes, the college evaluates the teachers by the students through online Students feedback system during every semester. Analysis of the feedback is carried and it is used for improving the quality of Teaching-Learning-Process. Counseling of the teachers is done by head of department for corrective actions.

## 2.5.1. How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

- → The stakeholders of the institution i.e. students and faculty members and even the parents of the students are informed about evaluation process during parents' meet, faculty meet, etc
- → The department policies and marking scheme is made available to students and faculty.
- → Faculty members are informed time to time the policies of the department in the meeting regarding evaluation process.
- → The students are informed about the university regulations regarding minimum attendance at the beginning of each semester.
- → The college maintains transparency in the evaluation process to the stakeholders through displaying the chapter test marks, unit test marks, assignment marks, model examination marks, internal mark determination criteria, university marks on the departmental notice board.
- → The regulations, curriculum, exam and marking scheme are available in the college and the affiliated university websites.
- → The University publishes the semester examination marks and internal marks in the University website. The department communicates results of all tests of students through letters and phone calls to the parents.
- → Students are clearly made aware of the eligibility conditions (like minimum attendance requirement, submission etc) to appear in the final examination.
- 2.5.2. What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

#### **University Reforms:**

From the academic year 2014-15 University has developed software

for filling internal marks online due to this paper work is reduced as well as accuracy is maintained in results. University started online examination for some of the subjects of computer science and engineering (CSE), these online final exams are conducted at the college. The scheme of Secure Remote Paper Delivery (SRPD) system has been implemented by the university.

#### **Institute reforms**

#### **Internal marking scheme:**

The internal marks to the students are given on the basis of class test performance, unit test performance, laboratory performance, internal oral, over all behaviour of the student and attendance.

The College has initiated reforms such as ICT based assignment, objective tests and quiz for some courses through moodle platform.

## 2.5.3. How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

The evaluation reforms of the University are followed by the institution in an effective manner. New reforms such as the online examination conduction, SRPD etc. are implemented by the College in a timely manner.

Queries in the evaluation method can be addressed to Grievance Redressal Mechanism at both College and Department level consisting of representatives of students and faculty.

## 2.5.4. Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.

#### **Formative Assessment**

To measure student achievement both the formative and summative evaluation approaches are adopted by the institution.

By conducting verbal tests, group discussions, seminars, student's achievements are evaluated.

This type of formative approach gives lot of information about student achievement after teaching a particular unit.

Quizzes, group discussions, verbal tests, assignments, surprise tests are followed by all the faculty members to measure student's achievements and performance by formative approach.

The college conducts two unit tests per course per semester and performance based improvement test. It also promotes the student to participate in mini projects, paper presentation, workshop, Seminar.

Industrial visits are arranged for the students and students submit the visit report which is also evaluated for term work marks.

#### **Summative Assessment**

The summative evaluation is done during internal test and model examination. For summative approach two internal tests are conducted in the College. The above approach of formative and summative evaluation adopted in the institution has positively impacted upon the performance of the students.

The students are pre-trained in taking the University examination without any fear. Theory and practical courses other than project work, the continuous internal assessment carrying 25/50 marks is subdivided into attendance, laboratory experiment / performance, unit test, assignments / tutorials, orals, etc.

Project work is also evaluated through presentations before internal experts. The University end semester examination shall carry 100 marks for theory and 50 marks for practical and oral examination or oral examinations

2.5.5. Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.)

To monitor the student progress, College has the continuous internal evaluation system which consists of internal assessment tests (twice in a term), Improvement Test and evaluation of practical exercises.

Assessment Report is displayed on Notice board of respective department every month.

In continuous assessment process, opportunities to improve marks are given to the students participating in activities based on the course like group discussion, seminar, poster presentation etc.

College communicates progress report of their ward to the parents. It organizes parents and guardians meet to have a communication once in year.

Affiliated university also conducts the written/theory/practical examination at the end of semester. The result of same are communicated to the student and parents on the website. The academic monitoring is done on the basis of university result. Each programme is analysed by result analysis.

## 2.5.6. What are the graduates attributes specified by the college/affiliating university? How does the college ensure the attainment of these by the students?

#### **Graduates attributes specified by the college:**

As PO's are in line with graduate attributes, attainment of PO's indirectly indicates the achievement of graduate attributes. The graduate attributes in-line with PO's are as follows,

- → Engineering Knowledge: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.(a,e)
- → **Problem Analysis**: Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences (a,e).
- → Design/Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations (b,c).
- → Conduct investigations of complex problems using researchbased knowledge and research methods including design of experiments, analysis, and interpretation of data and synthesis of information to provide valid conclusions (b).
- → Modern Tool Usage: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations (k).
- → The Engineer and Society: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice (f,h).
- → Environment and Sustainability: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development (h,j).
- → Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice (f).
- → Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams and in multi disciplinary settings (d,f).

- → Team work, leadership and multidisciplinary approach: functioning as a member of the team or as a leader of the team and also ability to work and provide the solution for multidisciplinary tasks
- → Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions (g).
- → Life-long Learning: Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change (a,d,g).
- → Project Management and Finance: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team to manage projects and in multidisciplinary environments (a,d,g).
- **→** Attainment of Graduate Attributes:
- → Each department has well defined course objectives, course outcomes, Program education objectives, and Program outcomes and those are in accordance with graduate attributes. Innovative teaching methods and student centric teaching learning approach is adopted to achieve course outcomes. Course objectives and course outcomes are mapped with Program outcomes and Program outcomes are mapped with graduate attributes. The college has university defined curriculum which fulfills the graduate attributes attainment.
- → Through these co-curriculum activities like Communication Improvement Program (CIP), proctor, and GD, college is paying attention for meeting the graduate attributes through training placement department. The college encourages the independent learning which includes paper presentation by students, project, innovative mini project, publishing the articles in news paper and gives proper weightage to these.

### 2.5.7. What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?

The colleges's indigenous internal assessment is transparent with due formative and summative evaluation as mentioned above. Queries in the evaluation method can be addressed to Grievance Redressal Mechanism at both College and Department level consisting of representatives of students, faculty and administration. University has its own grievance redressal cell and the applications of the aggrieved can be sent directly to the same. For University examination, students can apply for photocopy of answer sheet. He/she can apply for revaluation of answer books to the controller of examination of university as per the procedures of the University.

### 2.6.1. Does the college have clearly stated learning outcomes? If 'yes' give details on how the students and staff are made aware of these?

Yes, the college has clearly stated learning outcomes. In addition, each of the courses has well defined course objectives.

Faculty explains the outcomes of each course and at the end of the course, a course end survey is taken to evaluate if the set outcomes have been achieved.

- → The learning outcomes are notified by presentations, academic diaries.
- → Learning outcomes are displayed in the departments.
- → Learning outcomes are notified to parents during parent meet.
- → Learning outcomes are uploaded on College website and moodle.

#### Programme Outcomes (POs) of Dept. of Electronics Engineering

• Students graduating from Electronics Engineering will demonstrate following abilities

a.	Graduates will use principles and tools of basic sciences, Mathematics and other basic engineering discipline for solving technical problems.
b	Graduates will use principles and tools of basic analog and digital electronics to demonstrate an ability to identify, formulate design and solve electronics related problems.
С	Graduates will develop Electronic, communication and computer related systems using appropriate test equipment/software and will use results of analysis to improve design.
d	Graduates will successfully design and develop a system as per needs and specifications.
e	Graduates will exhibit research and problem solving skills to support lifelong, personal and professional development.
f	Graduates will demonstrate an ability to design and analyze analog & digital electronic system components.
g	Graduates will demonstrate an ability to design analog & digital communication system components.
h	Graduates will demonstrate skills to use modern engineering tools, basic programming and Electronic system simulation for solving specific problem.
i	Graduates will demonstrate an ability to work in laboratory with multi-disciplinary tasks.
j	Graduates will demonstrate knowledge of professional and ethical responsibilities.
k	Graduates will develop confidence & effective communication skills with a fundamental knowledge amongst students to pursue higher education and get success in campus interview as well as in competitive examination like GATE, Engineering services etc.

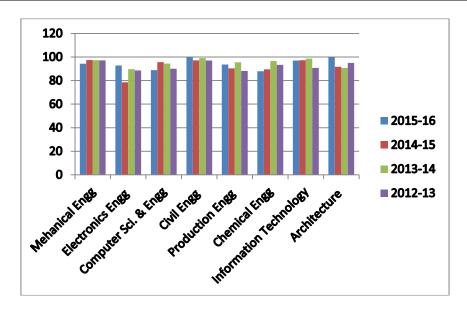
#### **Awareness of Program Outcomes**

- 1. College Website www.dypkopeng.ac.in
- 2. Display board at the entrance of the Department
- 3. HOD Cabin
- 4. Course Files of the Teachers
- 5. Note Books of the Students
- 6. College Diary
- 7. Assignment Books
- 8. Journal

Program Outcomes (POs) are made aware to the faculty and staff at the department and college level meeting. They are brought to the notice of the students and other stake holders by publishing and disseminating by displaying / printing / noting.

- 2.6.2. Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students' results/achievement (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.
  - → The progress and performance of the students during four years of programme duration is done by Chapter tests, Unit tests, subject write-up, Assignments, Orals etc. Remedial classes are conducted or students with poor performance.
  - → Slow learners are identified with the continuous monitoring and evaluation system and corrective steps are taken.
  - → Test papers are given back to students after evaluation. Results are also displayed on notice boards.
  - → University examinations results are available on the university website and are also displayed on the department notice boards.
  - → The student performance is communicated to the parents in parent meet and through SMS system.
  - → The university also conducts the written/theory/practical examination at the end of semester. The result of same are communicated to the student and parents. The academic monitoring is also been done from university result
  - → The College carries out the analysis of University examination result for each Program.

Sr.	Name of the	2015-16	2014-15	2013-14	2012-13
	Department				
1)	Mechanical	94.83	97.37	97.33	97.18
	Engineering				
2)	Electronics	93.22	78.05	88.89	89.66
2)	Engineering		78.05	00.09	89.00
2)	Computer Science and	88.81	95.68	94.37	90.14
3)	Engineering	00.01	95.00	94.37	90.14
4)	Civil Engineering	97.0	97.1	99.0	97.0
5)	Production	93.65	90.41	95.52	88.15
5)	Engineering	93.05	90.41	95.52	00.15
6)	Chemical Engineering	87.93	89.58	96.66	93.33
7)	Information	07	97.33	98.64	90.8
7)	Technology	97	91.33	<b>70.04</b>	90.8
8)	Architecture	100	91.66	90.62	95



## 2.6.3. How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

• Each Teacher Prepares a Teaching Plan which is a complete preplanned work schedule for the semester. This includes the Portions to be covered in the class, the Assignments, Seminars, Test Papers, and any other academic activity the teachers would like to incorporate individually.

- Classroom sessions, guest lectures and E-resources make the students knowledgeable and aware of the latest developments.
- Memberships in professional societies provide our students a good platform for exposure to an environment where innovative ideas are exchanged.
- For difficult and problems oriented subjects, practice session arrangement is made.
- Library and laboratory facilities are kept open beyond the working hours.
- Campus and hostels are enabled by Wi-Fi. E-Library and journal
  access is available to students. The strategies of the institution are
  student oriented i.e. to convert student in a responsible professional
  citizen with knowledge, skill, attitude and values.
- 2.6.4. What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude, developed among students etc.) of the courses offered?
  - University curriculum caters to courses of social and economic relevance such as Industrial Engineering, Software Engineering Project Management, General Proficiency, etc.
  - College arranges all the relevant training programs for aptitude, soft skills, technical training, etc. for placements of the students. Currently College is in second position in the university with respect to placements.
  - College has signed MOUs with companies such as IBM,Rocket Engg, Prolific Systems and Technologies ltd ,Texas Instruments etc. for "Producing employable engineers".
  - Every student undergoes Entrepreneurship Awareness Camp organized by the college and resource persons are from Maharashtra Corporation Entrepreneurship Development (MCED).
  - Students are encouraged to innovate & research. Their creativity is nurtured through various technical events at college and national level. Student's design and exhibit products made by them for agricultural industry. Such events give opportunity to nurture the innovation and develop an attitude for research.
  - College has signed MOUs with companies for providing sponsored live project research to the students.

- College has MOUs with many reputed organization for the exchange of expertise, industrial visits, guest lectures etc.
- Students are encouraged to take social issues as their problems for mini and major projects.

## 2.6.5. How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning.

The relevant data on student learning outcomes are collected from the following:-

- → Reports from the Class Committee meeting, faculty feedback, course meeting and the informal feedbacks are sent to Academic Monitoring Committee for review.
- → Result analysis of Internal Assessment and University Results.
- → Employer's feedback.

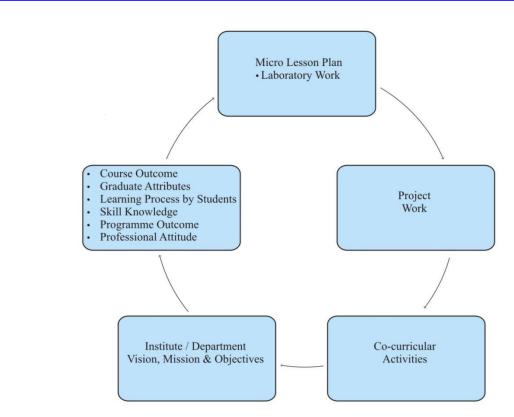
The above reports are analyzed and discussed in detail in the meetings of Academic Monitoring Committee.

The feedback about pace of the syllabus coverage, the teaching methodology employed, and the conduction of laboratory exercises is summarized from such reports.

Any shortcomings reported are addressed by mentoring the staff, planning additional tutorial hours if needed, or by providing special study material to the students.

## 2.6.6. How does the institution monitor and ensure the achievement of learning outcomes?

- → Through weekly departmental meeting academic performance is monitored by taking review of chapter test, unit test, and lab test.
- → Academic performance is monitored through university result analysis, and practice sessions are conducted for tough subject after college hour.
- → Academic Advisory Committee (AAC) at college level helps in continuous monitoring of the progress of students, gaps in teaching learning processes indicated are analyzed and remedial steps are taken to ensure learning outcomes are fulfilled.



2.6.7. Does the institution and individual teacher use assessment/ evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.

Yes, the college and all individual faculty members uses assessment/ evalution outcomes as an indicator for evaluating student's performance, achievement of learning objectives and planning. Students participate in different academic activities viz. tutorial, mini projects, solution of numerical problems, quiz, seminar, oral etc. These activities help to assess proficiency of students in application of mathematical and engineering concepts, effective communication skills. This process helps in achievement of learning outcomes. As soon as university result is declared subject/class wise result analysis is done, through which learning objectives are mapped. On the basis of class test, unit test and university result analysis, practice sessions/remedial classes are planned for slow learners.

#### **CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION**

#### 3.1. Promotion of Research

### 3.1.1. Does the institute have recognized research center/s of the affiliating University or any other agency/organization?

Yes, the College has been recognized as a Research Centre for Electronics & Telecommunication Engineering and Computer Science & Engineering by Shivaji University, Kolhapur. Under these research centre/laboratories around nine students are undergoing their Ph. D. work. The following are recognized Ph. D. guides:

Sr.	Name of Guide
1.	Prof. Dr. V. R. Ghorpade
2.	Prof. Dr. K. V. Kulhalli
3.	Prof. Dr. S. V. Sankpal
4.	Prof. Dr. A. V. Kadam

# 3.1.2. Does the Institute have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

- → College has formulated a Research Committee to address and supervise Research and Development abilities of faculty and student.
- → The R & D cell of the college Comprises of faculty members of various departments of college. This committee ensures the smooth functioning of research and development activities in the College.
- → Some recommendations of the research committee are:-
- → Organize more seminars/conferences/workshops/Technical Events/FDP for interaction with outside eminent personalities.
- → Enhance the number of research publication.
- → Motivate faculty to enroll for Ph.D.
- → To encourage faculty to undertake research projects.
- → Motivate final year and PG students to participate in conferences/Technical events.

#### R & D Cell:

Sr.	Name of Faculty	Position
1	Prof. Dr. V. R. Ghorpade	Principal
2	Prof. Dr. C.D.Lokhande (Director R. And D.)	Member
3	Prof. Dr. K. V. Kulhalli	Member
4	Prof. Dr. S. V. Sankpal	Member
5.	Prof. Dr. K. T. Jadhav	Member

6.	6. Prof. Dr. A. V .Kadam	
7.	Mr. Kiran Kulkarni (Industrialist)	Member
8.	Dr. Pankaj Potdar (Scientist)	Member

#### **Impact of the Recommendations of Research Committee:**

- → The publications by the faculty members in national/international journals and conferences have increased.
- → More number of students are participating in seminars / conferences / Technical events.
- → Organization of Seminar/conference/workshops is enhanced.
- → Faculty enrolment for Ph.D. is increased.
- → Proposals for getting funds from various funding agencies have been increased.

### 3.1.3. What are the measures taken by the institute to facilitate smooth progress and implementation of research schemes/projects?

**Autonomy to the principal investigator:** Autonomy is given to the principal investigator for smooth flow of research and concessions like on duty Leave for Research Field work is given.

#### Timely availability or release of resources: Yes

- → Adequate infrastructure and human resources: College having a wellestablished PG and research laboratories with advanced hardwares and softwares. Highly experienced and qualified staff for guiding.
- → Time-off, reduced teaching load, special leave, etc. to teachers: Faculty members are encouraged to participate and present papers in National/International Conference for which they have given TA/DA and duty leave. For faculty members those who are enrolled for Ph.D. are given special leaves for completion of their course work, presentation of their work.
- → Support in terms of technology and information needs: Yes, The College has updated the library by subscribing e-journals and various softwares like NPTEL to facilitate research environment and interest amongst the teachers for students.
- → Facilitate timely auditing and submission of utilization Certificate to the funding authorities: R and D committee conduct Regular review meetings every year and instruct the principal investigator in preparing annual report/closure reports for auditing and the utilization certificate is submitted.

## 3.1.4. What are the efforts made by the institute in developing scientific temper and research culture and aptitude among students?

→ College organizes annually, a National Level Technical Event for the students. The event includes Technical Paper presentation competition, software development, quizzes, gaming, aptitude tests, Model Making;

- robot competitions to develop scientific temper. Students are motivated to participate in inter College/University level competitions.
- → Also College organizes national level conference NCETETA & project Competitions for the students to explore their innovative skill. In March 2017 the college has organized an international conference iCETETA.
- → Workshops and seminars are arranged for PG students for interaction with eminent personalities from industry and academia.
- 3.1.5. Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual / collaborative research activity etc.

Faulty members are actively involved for guiding research scholars and PG students.

i) Research activities through guiding students for doctoral research by faculties:

Sr.	Name of Faculty	Research Scholars Registered for Ph.D.
1.	Prof. Dr. V. R. Ghorpade	07
2.	Prof. Dr. S. V. Sankpal	06
3.	Prof. Dr. K. V. Kulhalli	03
4.	Prof. Dr. R. B. Koli	02
5	Prof. Dr. A. V. Kadam	02

#### ii) P. G. Students awarded:

No. of Faculty as P. G. Guide	No. of Students Competed PG	No. of Students pursuing PG
17	149	99

- iii) The faculty is involved in active research in the following ways:

  Faculty guides the UG and PG students for seminars, projects and technical papers. Faculty is also associated in the industry sponsored projects. Some of the final year projects are industry sponsored under the guidance of faculty members. Faculty regularly presents research papers in conferences and journals.
- iv) Details of Research Projects completed by College: Individually / Collaborative Research Project:

Sr.	Name of Faculty	Individually/ Collaborative	Name of Research Project	
1)	Prof. J. D. Patil	Individually	Hydrogeology of Chikotra basin with special reference to Ground water management	

2)	Prof. S. P. Jadhav	Individually	Mathematic modeling of hydrologic processes in Warana river basin
3)	Dr. A. V. Kadam	Individually	Electro deposit of stable W03 Thin films for Electro chromic films
4)	Dr. A. V. Kadam	Individually	Hydrothermally grown nanostructured tungsten oxide thin film for smart window
5)	Prof.Kiran M. Mane	Individually	Experimental investigation on properties of concrete produced with manufacture sand
6)	Prof.Priya K.Figredo	Individually	The study of passive aeration effect on substrate quality, composting period and yield using different perforated chlorinated polyvinyl chloride (CPVC) pipes in a composting

# 3.1.6. Give details of workshops / training programmes / sensitization programmes conducted/organized by the institute with focus on capacity building in terms of research and imbibing research culture among the staff and students.

College has a focus on capacity building in terms of research and imbibing research culture among the staff and student. Details of workshops/training programmes conducted by College are as below:

#### 1. Civil Department:

Sr.	Date	Workshop name	Organized by	Targeted audience
1.	16/03/2017 to 31/03/2017	Training Workshop on ETABS	Civil Dept. (inhouse)	Final year Students
2	12/03/2016	1 day Workshop on Awareness of Civil Softwares	Civil Dept. (inhouse)	Final year Students of various colleges
3	26/03/15 to 27/03/15	2 day Workshop on Revit & Auto CAD Software	CAAD Centre	Second Year Students

4	30/11/2015 to 9/01/2016	Workshop on Structural Engineering	IIT Kharagpur	Faculties from different colleges
5	12/03/15 to 13/05/15	National level championship workshop on Staad Pro Software	Robo Edutech India Pvt. Ltd.	Third year & Final year Students
6	20/5/14 to 30/05/14	10 day Workshop on Fluid Mechanics	IIT Kharagpur	Faculty Members
7	15/02/2014	One day Workshop for Mason & Petty Contractors	ACC Ltd.	Third Year Students
8	25/11/13 to 05/12/13	Workshop on Engineering Mechanics	IIT Bombay	Faculties from different colleges

2. Architecture Department:

Sr.	Date	Workshop	<b>Conducted by</b>	Targeted audience
1.	25/02/2017	Building technology Hands on Workshop.	Indian Institute of Architects	F. Y. B. Arch
2.	17/02/2017	Calligraphy Workshop	Mrs. Kanchan Ambale	Students of Architecture
3.	16/02/2017	Pottery Workshop	Mr. Gourav Kingade	Students of Architecture
4.	16/01/2017 to 17/01/2017	Workshop on 'Courtyard' 16 <sup>th</sup> and 17 <sup>th</sup> January 2017	Ar. Milind Randive	mixed group from D. Y. Patil college of Engg & Tech ,College of Architecture and Kalaprabhodini Institute of Technology
5.	11/01/2017	Theater Workshop Use of spaces	Mr .Rohit patil and Ar. Sheetal patil	S. Y. B. Arch
6.	04/01/2017 to 07/01/2017	Joint Design Workshop with SCET College, Surat	A.D.T.P. of Kolhapur city	T. Y. B. Arch
7.	24/09/2015	Kolhapur solar architecture	Ar. Milind Date	Students of Architecture
8.	24/09/2015	Bamboo Workshop		F. Y. B. Arch

	12/09/2015to	Form Follows	Ar.Pramod	Students of
9.	13/09/2015	Feelings'	Beri	Architecture
		reemigs	Dell	
10.	11/09/2015 to	ProgeCAD	Mr. Gopinath	Students of
	12/09/2015		-	Architecture
11.	17/03/2015	Awareness	IGBC	Students of
		programme on		Architecture &
		Green Buildings		Faculty Members
12.	1402/2015	Workshop	Ar. Shirish	Students of
			Beri	Architecture
13.	29/03/2014	AAKAR	Students of	Students of
	to	Workshop	Architecture	Architecture
	30/03/2014	Workshop	Memicetare	THEIntecture
14.	18/01/2014	Trenchless	Prof. Gouri	Faculty Members
		Technology	Mehtar	
15.	03/10/2013	Workshop	Ar. Shirish	Final Yr.
			Beri	
16.	27/09/2013	Workshop	Ar. Pramod Beri	Students of Architecture
	to			
	29/09/2013		Веп	Arcmiecture
17.	20/09/2013	Architectural	D. C. C	C V D Al
		Design	R. G. Sawant	S. Y. B. Arch
18.	24/08/2013	Green Building		
		Awareness	I.I.T Mumbai	T.Y. & Final Yr.
		Workshop		
19.	03/08/2013	Presentation		
		Skills for	Amita Jadhav	T.Y. & Final Yr.
		Architects		
20.	24/072013	Art Direction	Ar. Kedar Kulkarni	S. Y. B. Arch
pottery	Architecture			
22.	15/03/2013	Aakar Workshops	Arch dept.	
	to			Students of
	17/03/2013	- zmim , omonopo	and dopu	Architecture
23.	12/01/2013	Origami	Teja Kharat	First Year
		Workshop		students
		TOLKSHOP		Students

# 3. Chemical Department:

Sr.	Dates	Workshop name	Organized by	Targeted audience
1	26/2/16	One Day Work shop on "Gas chromatography."	Chemical Department	Faculty
2	23/10/15	One Day Workshop on "Enhancement of Interpersonal skills & keys to crack HR Interviews"	Chemical Department	Faculty
3	22/9/15 to 23/9/15	STTP on "Fluid Flow & Unit Operations with Plant Visit" at RCF Ltd., Mumbai,	Chemical Department	Faculty
4	19/08/2013 to 24/08/2013	Aspen Plus Workshop	Chemical Department	Faculty of the Dept. & T.E. students
5	02/04/2012	Current Indian Energy Scenario & Energy conservation – 2013	Chemical Department	Faculty of the Dept. & B.E. students

# 4. Computer Science & Engineering:

Sr.	Dates	Workshop name	Organized by	Targeted audience
1	17/1/17	One day Workshop on "Information Security & Ethical Hacking" by Mr. Ajinkya Lohakare	CSE Dept.	TE students
2	27/2/17	Workshop on "Internet of Things", by Mr. Avinash Magdum,	CSE Dept.	BE students
3	5/2/17	Workshop on "GD, Technical Interview", by Mr. Prashant Karandikar	CSE Dept.	TE, BE students
4	14/08/16	One Day's Workshop on "Python" by Mr. Akib Momin,	CSE Dept.	TE Students
5	3/9/16	One day Workshop on "Hadoop", Mr. Sangram Patil, Dated-	CSE Dept.	BE students

6	24/09/16	One day Workshop on Python by Mr. Aquib Momin	CSE Dept.	T.E.students
7	03/09/16	One day Workshop on Hadoop by Mr. Sangram Patil	CSE Dept.	B.E.students
8	7/03/2015 to 8/3/2015	Workshop on Oracle 11g	CSE Dept.	T.E.students
9	6/08/2013 to 9/08/2013	Introduction to Wordpress	CSE Dept.	T.E.students

**5. Electronics Department:** 

Sr.	Date	Workshop name	Organized by	Targeted Audience
1	11/2/2017	Research, Funding and Patent process in Engineering and Technology	Electronics Dept.	All faculty members of college
2	5/10/2016	Workshop on "Microcontroller Programming"	Electronics Dept.	Diploma students
3	1/10/2016 to 4/10/2016	One week workshop on " Industrial Automation	Electronics Dept.	T.E.and B.E.Student
4	24/9/2016	Workshop on "USB Theme"	Electronics Dept.	Diploma and degree students
5	12/2/2016	LED Workshop	Electronics Dept.	44 Students from various colleges
6	23/1/2016	Digital Signal Processing with Code Composer Studio	Electronics Dept.	TE Students
7	23/1/2016	Practical Approach in computer Networks	Electronics Dept.	BE Students
8	18/1/2016	Industrial Automation	Electronics Dept.	BE Students
9	26/9/2015	LED Workshop	Electronics Dept.	No. of students 60
10	20/10/2015	Faculty Training Programme on "ARM 9 Microcontroller & Programming"	Electronics Dept	Class: B. E. 59

11	02/12/2014 to 12/12/2014	ISTE Main Workshop on "Control Systems"	Electronics Dept.	Faculty
12	02/01/2014 to 12/01/2014	ISTE Workshop on "Signals & Systems"	Electronics Dept.	Faculty
13	15/07/2013 to 20/07/2013	Recent Trends in Design, Development and Applications in Digital Signal Processing	Electronics Dept.	ME students & Faculty
14	13/02/2013 to 18/02/2013	STTP Workshop on "Recent Trends in Wireless Communication & Networking"	Electronics Dept.	ME students & Faculty

# 6. Information Technology:

Sr.	Date	Workshop name	Organized by	Targeted audience
1	12/03/2016	Hadoop Technology	I.T. Department	Final Year Students
2	08/08/2014	Fundamentals of economics and management	I.T. Department	Staff
3	09/02/2014 to 10/02/2014	Network Implementation & Security	I.T. Department	Students and staff
4	29/03/2013	Business Intelligence System	I.T. Department	Final Year Students
5	12/02/2013	Android for Mobile Technologies	I.T. Department	Final Year IT and Computer Science Students

# 7. Mechanical Department:

Sr.	Date	Workshop Name	Organized by	Targeted audience
1	3 March 2017	One day Workshop on P-V Solar Cell	Mechanical	self- sponsored
2	29 March 2016	Faculty development program Cryogenics	Mechanical	ISTE
3	12/09/2014	Teaching Methodology	Mechanical Dept.	Students & staff

4	20/05/2011 to 30/05/2014	Two week ISTE program on Fluid mechanics	Mechanical Dept.	Students & staff
5	26/11/2013 to 06/12/2013	Two week workshop on engineering mechanics	Mechanical Dept.	Students & staff
6	11/01/2010	Faculty development program	Mechanical Dept.	Students & staff

# **8. Production Department:**

Sr.	Date	Workshop name	Organized by	Targeted audience
1	11/02/2015	One day Workshop on Advances in Metrology	Production- ISTE	T.E, B.E
2	10/09/2014	MAT lab programming	Production	B.E
3	01/09/2014	Guest lecture on Intellectual property rights	Production	B.E
4	29/03/2014	Introductory lecture on GATE 2015	Production	B.E
5	05/09/2014	Guest lecture on National Integrity	Production	B.E
6	22/03/2014 to 23/03/2014	Two day workshop on Robotics	Production	S.E,T.E, B.E
7	25/03/2013	One day workshop on Foundry Technology	Production	S.E
8	13/10/2013	One day workshop on Plastic Technology	Production	T.E
9	15/10/2013	One day workshop on machine tools and cutting tool Technology	Production –ISTE	T.E,B.E

# Guest lecturers organized by: 1. Department of Architecture:

Sr.	Date	Workshop	Conducted by	Targeted audience
1.	25/02/2017	Building technology Hands on Workshop.	Indian Institute of Architects	F. Y. B. Arch
2.	17/02/2017	Calligraphy Workshop	Mrs. Kanchan Ambale	Students of Architecture

		Pottery	Mr. Gourav	Students of
3.	16/02/2017	Workshop	Kingade	Architecture
4.	16/01/2017 to 17/01/2017	Workshop on 'Courtyard' 16 <sup>th</sup> and 17 <sup>th</sup> January 2017	Ar. Milind Randive	mixed group from D. Y. Patil college of Engg & Tech ,College of Architecture and Kalaprabhodini Institute of Technology
5.	11/01/2017	Theater Workshop Use of spaces	Mr .Rohit patil and Ar. Sheetal patil	S. Y. B. Arch
6.	04/01/2017 to 07/01/2017	Joint Design Workshop with SCET College, Surat	A.D.T.P. of Kolhapur city	T. Y. B. Arch
7.	24/09/2015	Kolhapur solar architecture	Ar. Milind Date	Students of Architecture
8.	24/09/2015	Bamboo Workshop		F. Y. B. Arch
9.	12/09/2015to 13/09/2015	Form Follows Feelings'	Ar.Pramod Beri	Students of Architecture
10.	11/09/2015 to 12/09/2015	ProgeCAD	Mr. Gopinath	Students of Architecture
11.	17/03/2015	Awareness programme on Green Buildings	IGBC	Students of Architecture & Faculty Members
12.	1402/2015	Workshop	Ar. Shirish Beri	Students of Architecture
13.	29/03/2014 to 30/03/2014	AAKAR Workshop	Students of Architecture	Students of Architecture
14.	18/01/2014	Trenchless Technology	Prof. Gouri Mehtar	Faculty Members
15.	03/10/2013	Workshop	Ar. Shirish Beri	Final Yr.
16.	27/09/2013 to 29/09/2013	Workshop	Ar. Pramod Beri	Students of Architecture
17.	20/09/2013	Architectural Design	R. G. Sawant	S. Y. B. Arch

18.	24/08/2013	Green Building Awareness Workshop	I.I.T Mumbai	T.Y. & Final Yr.
19.	03/08/2013	Presentation Skills for Architects	Amita Jadhav	T.Y. & Final Yr.
20.	24/072013	Art Direction	Ar. Kedar Kulkarni	S. Y. B. Arch

# 2. Department of Chemical Engg:

Sr.	Date	Guest	Subject	
1	27/7/15	Mr. RAVI SATPUTE	Guest Lecture : Scope of	
1	(Assistant Manager)		Chemical Engineering	
2	15/9/15	Mr. Mandar Deshpande	GATE Preparation	
3	07/03/2015	Dr. Sandip Patil	Soft Skills	
4	02/02/2015	Prof. GuoPeng, Mr. Liu Thao & Mr. Zong	Awareness of Lost Foam Process Casting & Rapid Prototyping	
5	17/09/2014	Dr. Geetanjali Deshmukh	Intellectual Property Law and Management	
6	25/03/2014	Mr. R. R. Gaikwad	Need of Constructive Approach while working as a fresher Chemical Engineer	
7	25/01/2014	Prof. (Dr.) Vijay Babu	Preparation of GATE Examination	
8	17/01/2014	Mr. Mandar Deshpande	Importance and Preparation of GATE Examination	
9	12/09/2013	Mr. Shantaram Surve	Scope of AutoCAD for Chemical Engineering	
10	27/08/2013	Dr. S. S. Bhagwat	Scope of chemical engineering in various field and research and Development activity	

3. Department of Civil Engg:

		operation of other 2008.				
	Sr.	Date	Guest	Subject		
	1	24/02/2017	Prof.Dr. Deepak Bhosale	Constitution of India & Human Rights		
	2	28/02/2017	Ar. Scott Kafora	Low cost Housing		
Ī	3	01/02/2017	Mrs.Vrushali Nejdar	Meditation workshop		

		T		
4	30/01/2017	Mr. Chetan Kokatnur	Ecosystem & Biodiversity	
5	03/03/2017	Mr. Shripad Kahalekar	Environmental Awareness Programme	
6	10/02/2017	Mr.Satyam Gujar	3D MAX workshop	
0	10/02/2017	Wii.Satyaiii Gujai	-	
7	/07/2016	Mr. Vibhav Srivastava	Gate & competitive Exams28	
8.	5/3/2016	Mr. R.N.Raktwan	Environmental Awareness Programme	
9.	12/3/2016	Mr.Dinesh Nainani	Workshop – Training of Civil Engg. Structures Software.	
10	23/07/15	Ms. Vidya Bhagwat (Director of Consulting Operations REMI, Real Estate Management College, Mumbai)	Career Opportunities in Construction & Real Estate Project Management for Civil Engg. Students	
11	05/03/15	Mr. Sameer V. Alone (CEO, Infini College of Program Management, Ex. Head of MIT, College of Management, Pune)	Career Planning	
12	02/02/15	Prof. V. B. Jugale	Program on "Awareness of NAAC"	
13	23/01/14	Mr. Balkrishna Kulkarni (Territory Technical Sales Manager, Ultra Tech Cement Ltd.)	Concrete Technology & Personality Development	
14	05/09/2013	Mr. Anand Ugave	Scope of Civil Engineers in the field of Airlines	

# 4. Department of Computer Science & Engg:

Sr.	Date	Guest	Subject
1	22/3/17	Mr. Santosh	"Amazon Cloud Services
1	22/3/17	Deshmukh	& AWS" Certification
2	14/9/16	Mr. Mandar Jog	Technical Seminar
3	17/9/16	Prof. Atul Kahate	Challenges in Information
3	17/9/10	1101. Atul Kallate	Security & Avenues therein
4	14/2/2015	Prof. Swapnil C. Powar	Compiler Construction
5	29/8/15	Prof. D. L. Pandhare	Enhancing the
3	29/0/13	Fior. D. L. Failuliale	employability skills
6	16/8/2014	16/8/2014 Mr. Shirish Patil	Entrepreneur Skills
0	10/0/2014	wii. Siinisii I atti	Development

7	17/3/2014	Mr. Vaibhav Patil	Java Technologies
8	09/01/2014	Mr. Prasanna Karmarkar, Mr. Omkar Barve	Carrier Opportunities in IT

# **5. Department of Electronics Engg:**

Sr.	Date	Guest	Subject	
1	23/1/2016	Mr. S. D. Bhopale, Alumni	Practical Approach in	
1		of the dept	computer Networks	
	23/1/2016	Mohammad Naseer, Field	Digital Signal	
2	25/1/2010	Application Engineer, Texas	Processing with Code	
		Instruments (Edgate Tech.)	Composer Studio	
	16/10/2015	Er. Vikas P. Patil		
3	10/10/2013	Prathamesh Electronics,	PCB Seminar	
		Shiroli MIDC, Kolhapur		
4	1/10/2015	Mr. Ajinkya Kulkarni,	Campus For You	
4		Proprietor, campus for you		
		Mr. Suryakant Dodmise,	Seminar on "Career in	
5	30/9/2015	Proprietor,	Embedded Systems In	
		Core Technologies,	Next 5 Years"	
		Kolhapur		

## 6. Department of Information Technology:

Sr.	Date	Guest	Subject
1	19/08/2015	Mr. Prashant Hegade	Employability Skills
2	09/08/2014	Calyx Solutions	Final Year Project topic selection
3	13/02/2014	Mr. Sangram Patil	Cloud Computing

# 7. Department of Mechanical Engg:

Sr.	Date	Guest	Subject
			Campus For You, Campus
1	28/1/2016	Mr. Prabhu	Recruitment Training
1	28/1/2010	Mr. Prabnu	Program from 'Triveni
			Turbine' for TE students
			Guest Lecture on
2	4/2/2016	Vijay Sankpal	'Practical Aspects of Gear
			Design' for TE students
			Guest Lecture on 'Asian
3	4/2/2016	Dr. B.S.Gavali &	Academy of Profession
			Training for piping' for
			BE students

			'Kabil Bano' Training for	
4	11/2/2016	Dr. S.N.Sapli Aptitude Test. For BE students		
5	19/03/2016	Mr.Sandip Sharma	One Day 'Faculty Development training Program' on "Emerging Trends in Cryogenics Technology"	
6	28/1/2016	Dr. B.S.Gavali & Dr. S.N.Sapli	Campus For You, Campus Recruitment Training Program from 'Triveni Turbine' for TE students	
7	23/3/2015	Mr. Nilesh Narvekar	ISTE Student chapter- Automation	
8	23/2/2015	Mr. Shrikant Dudhane Mr. A. V. Kulkarni. Prof. M. M. Wagh, Mr. Shivaji Bhosale	ISTE Workshop	
9	9/2/2015	Mr. Vijay K. Sankpal	Practical Aspect Of Gear Design	
10	3/02/2015	VJ Aisha	Collegewire programme	
11	2/2/2015	Prof. Guo Peng, Prof. Lin Tao,	Awareness of lost foam process and rapid prototyping	
12	25/1/2015	Mr. Jain	Opportunity for higher study and scholarships	

## **8. Department of Production Engg:**

Sr.	Date	Guest	Subject
1	5/9/2014	Mr. Mahesh Desai	National Integrity
2	29/3/2014	Mr. Samir Deshpande	Introductory lecture on GATE 2015

# **9. Department of General Engineering:**

Sr.	Date	Guest	Subject
1	09/03/2015 to	Mrs. Sayali Sabnis	How to become a
1	10/03/2015	Wils. Bayan Baoms	Successful Engineer
2	12/03/2014	Dr. Saroj Shinde	Fitness & Health care
3	12/03/2014	Mr. Rakesh Gaikwad	Free HB count

#### • Students Achievements:

# 1. Department of Architecture:

Sr.	Date	Workshop	Conducted by	Targeted audience
1.	25/02/2017	Building technology Hands on Workshop.	Indian Institute of Architects	F. Y. B. Arch
2.	17/02/2017	Calligraphy Workshop	Mrs. Kanchan Ambale	Students of Architecture
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8.	24/09/2015	Bamboo Workshop		F. Y. B. Arch
9.	12/09/2015to 13/09/2015	Form Follows Feelings'	Ar.Pramod Beri	Students of Architecture
10.	11/09/2015 to 12/09/2015	ProgeCAD	Mr. Gopinath	Students of Architecture
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13.	29/03/2014 to 30/03/2014	AAKAR Workshop	Students of Architecture	Students of Architecture

14.	18/01/2014	Trenchless	Prof. Gouri	Faculty Members
	- 0, 0 -, - 0 - 1	Technology	Mehtar	,,
15.	03/10/2013	Workshop	Ar. Shirish Beri	Final Yr.
16.	27/09/2013 to 29/09/2013	Workshop	Ar. Pramod Beri	Students of Architecture
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19.	03/08/2013	Presentation Skills for Architects	Amita Jadhav	T.Y. & Final Yr.
20.	24/072013	Art Direction	Ar. Kedar Kulkarni	S. Y. B. Arch

# 2. Department of Chemical Engg:

Year	Activity	Name of Student	Prize
2016-17	Gymnasium	Sainath Khandekar	3 <sup>rd</sup>
2015-16	Essay Writing	Mukul P. Bhure	2 <sup>nd</sup>
2015-16	Model Exhibitioin	Mukul P. Bhure	2 <sup>nd</sup>
2015-16	PPT IN NIRMITI2K16	Chetan Ambekar	1 <sup>st</sup>
2015-16	University rank	Shriya R. Deshpande	1 <sup>st</sup>
2015-16	University rank	Shilisidda S. Biradar	3 <sup>rd</sup>
2015-16	Essay Writing	Chetan Ambekar	1 <sup>st</sup>
2014-15	Project Competition	Sachin Aundhkar	1 st
2014-13	1 Toject Competition	Yogesh Ghadage	1
2012-13	Quiz Competition	Yash Dave	2 <sup>nd</sup>

# **3. Department of Civil Engg:**

Year	Activity	Name of Student	Prize
	Spot Survey	Sadiya Malpekar Sharvari Patil	1 <sup>st</sup> in Surveying
	Concrete Cube Testing	Ajinkya Rawoot, Advait Sagvekar	2 <sup>nd</sup> Prize
2016-17	Debate	Vishal Bandgar	1 <sup>st</sup> Prize
	Recycle Material Competition	Saurabh Bhosale	Winner
	Sports	Zaid Hudli	1st in Running

	Sports Basketball	Priya Mane	Winner
	Sports Fencing	Yogiraj Doke	Gold Medal
2015-16	Sports Table Tennis	Ruturaj Nimbalkar	Third in Table Tennis
	Sports Hockey	Pratiraj Patil	National Level Selection
	Auto CAD drawing	Sardar Tadulkar	Winner
	Model making	Amol Methe	1 <sup>st</sup> winner
2014-15	Brick construction	Hardik Jalan & Group	1 <sup>st</sup> winner
2014-13	Poster presentation	Lokhande Vivekanand	1 <sup>st</sup> winner
		Supriya patil	2 <sup>nd</sup> winner
	Fencing-inter zonal	Yogiraj doke	2 <sup>nd</sup> prize
2013-14	Quiz Mania	Sandip Bhure	1 <sup>st</sup> Prize
	Zonal Fencing	Yogiraj Doke	2 <sup>nd</sup> Prize
	Cadismo (Auto-CAD Competition)	Madhukar Shirsat Shantaram Sawant	Runner-Up
2012-13	Spot Survey	Amit Abhrange Vikram Amble	3 <sup>rd</sup> Prize

# **4. Department of Computer Science & Engineering:**

Year	Activity	Name of Student	Prize	
	Project Competition at	Snehprabha		
2015-16	International Conference	Davare, Devyani	1 <sup>st</sup>	
	international Conference	Salokhe		
2016-17	Inter Zonal Women Basketball	Prachi Patil	2 <sup>nd</sup>	
	Industrial Problem Solving in	Dhananjay Patil &		
2015-16	JIDNYASA 2K16 TKIT	Sanket Patil	2 <sup>nd</sup>	
	Waranangar	Sanket Fath		
2016-17	Paper Presentation	Shruti Jadhav	1 <sup>st</sup>	
	Shivaji University Merit	Ms. Modak	Scholarship	
2014-15	Scholarship	Farzeen M		
2014-13	All India Essay Writing Event	Ms. Devyani	1 <sup>st</sup>	
	All fildra Essay Witting Event	Palkar		
	Paper Presentation Mastermind	Mr. Prashant		
2013-14	Paper Presentation, Mastermind	Gupta	1 <sup>st</sup>	
	2K14, DYPCET, Kolhapur	Ms. Afiya Qureshi		

	Project Competition At AMGOI, Vathar	Ms. Afiya Qureshi, Prashant Gupta	1 <sup>st</sup>
	Project Masters at RIT, Sakhrale	Nikhil Jadhav , Yuvraj Patil, Vijay Kanade, Priyanka Dhale , Neha dalal	2 <sup>nd</sup>
2012-13	Code war at DKTE, Ichalkaranji	Mr. Saurabh Patil	$2^{\rm nd}$
2012-13	Spot-Ppt, TechnoCracy 2K12	Mr. Vijay Kanade	$1^{st}$
	C, Java Programming, wizard 2K1at KIT, Kolhapur	Mr. Ganesh Satpute	2 <sup>nd</sup>
	Treasure Hunt at C, Tecnosphere, RIT Sakharale	Mr. Ganesh Satpute, Mr. Prashant Gupta	1 <sup>st</sup>
	Mock Campus under Invincible 2K13 at KIT Kolhapur	Mr. Abhinav Lohar	1 <sup>st</sup>

# 4. Department of Electronics Engg:

Year	Activity	Name of the Student	Prize
	University exam BE (Electronics Engg.)	Jyoti Patil	First rank
	University exam BE (Electronics Engg.	Varekar Meghana	Third Rank
	Hockey State level Competition	Bagade Omkar Anil, Patil Hrishikesh Eknath	Winner
	Project Competition	UlapeVaishanavi B	1st Rank
2015 16	Vrushali V. Divate	State level Project Competition	2nd Rank
2015-16	Project Competition	Patil Aishwarya	Runner up
	Mehandi competition	Bhopale Arati Ramesh	Winner
	Maharashtra times debate competition (Speak for India debate)	Kerlekar Rutuja M	2nd round winner
	Speak for India debate (By TOI and Fedral Bank),	Sutar Dhanashree T	2rd round winner
	Genetech 2K14	Chingale Madhuja	First Prize
	Genetech 2K14	Datta Alokkumar	First Prize
	ARPAN 2015	Kulkarni Soham G.	First Prize
2014-15	Tehc-Kruti 2K15	Kulkarni Soham G.	First Prize
	Tech-Symposium 2K15	Datta Alokkumar D.	Runner Up
	ARPAN 2K15	Hadpad Rohit D.	Winner
	Blood Donation	Mishra Dhirendra Kumar	Participating
2013-14	Electrovert 2K13	Datta Alokkumar	Winner
2013-14	Impulse 2K14	Patil Komal A.	Winner

# 6. Department of Information Technology:

Year	Activity	Name of Student	Prize
		Rakhee Menon	
		Pradyna Savekar	
		Vilas Awasarmol	
2015-16	Project Competition	Akshay Patil	1 st
2010 10	l roject competition	Vrushali Bhosale	
		Ranjit Kalgude	
	ARPAN 2017 Girls Cricket	Anuja Randive	Runner Up
	Team	And Team	Rumer op
2014-15	Project Competition	Sachin Aundhkar	1 <sup>st</sup>
2014 13	1 Toject Competition	Yogesh Ghadage	1
2012-13	Quiz Competition	Yash Dave	2 <sup>nd</sup>
2011 12	Paper Presentation Competition	Suman Saurav	1 <sup>st</sup>
2011-12	Paper Presentation Competition	Suman Saurav	2 <sup>nd</sup>
	Paper Presentation Competition	Suman Saurav	2 <sup>nd</sup>

# 7. Department of Mechanical Engg:

Year	Activity	Name of Student	Prize
	5th Asian Beach Games	Shubham nakate	Bronze medal
2016-17	'JUGAAD' which organized by SAE RIT Collegiate club.  Satyam Gadekar		1 <sup>st</sup>
	Paper presentation	Maitrey Damugade	2nd
	Wushu	Shubham Nakate	Runner up
2015-16	Photography	Jayraj Jadhav	Winner
2013-10	Quiz	Sattish Patil	Runner up
	Softball Lawn Tennis	Shweta Yesugade	3 <sup>rd</sup>
	Infinity Cricket	More Swati S	Winner
	Carom	Karape Pooja D	Winner
	Badminton	Monkar Radhika D	Winner
	Badillilloli	Pushpak Shiroshi	
	Day Faathall Infinity	Shinde Nikhil S	Winner
	Box Football Infinity	Valake Shreyash H	
2014-15	Poster presentation-infinity	Mane Swapanil	Winner
	Box Cricket	Shingare Sandeep N	Winner
	Robo race	Kanwade Sourabh S	Winner
	WINNER PPT	Limkar Shubham S	Winner
	Robo race	Dhamnkar Aniket H	Winner
	Tech kruti 3 <sup>rd</sup> prize	Patil Vivekanad V	3 <sup>rd</sup>
	Cricket infinity	Varsha M Ghawade	Runner up

	Assembly infinity	Karape Pooja D	Winner
	Assembly infinity	Monkar Radhika D	Winner
2013-14	Quiz winner AUTO CAD	Mane Sanket P	Winner
2013-14	Solar Flash	Patil Shivraj W	Winner
	Solar Flash	Chavan Omkar S	Winner
	Solar Flash	Dhamnkar Aniket H	Winner

#### 8. Department of Production Engg:

Year	Activity	Name of Student	Prize
2015-16	National Kart Racing Champioship	Ajinkya Patil & Team	Best aesthetic
2015	Jidnyasa-15 (Project Competition)	Onkar Tare	Second

#### 9. General Engineering:

Year	Activity	Name of Student	Prize
2014-2015	GFX	Sangram Sarnobat	3rd Rank

# 3.1.7. Provide details of prioritized research areas and the expertise available with the institute.

College invites industry experts, academicians for interaction with the faculty to offer specialized programs.

College subscribes journals of IEEE, ASME and ASCE which cater the need of the research. Good reference books are available in the College library.

Following are details of research areas and faculty expertise available in different department.

Department	Research Area	Faculty Expertise
	Construction management	Prof. C. S. Dudgikar,
	Disaster Management	Prof. R. B. Koli
Architecture	Landscape	Prof. N. D. Jirge
	Sustainable Architecture	Prof. T. B. Pingale
	Urban and Rural Planning	Prof S. M. Phadtare, Prof. S. Y. Damugde
	Fluid Mechanics & Process Dynamic Control, Thermodynamics	Dr. K. T. Jadhav
Chamical Enga	Mass Transfer, Economics and Catalysis	A. L. Jadhav
Chemical Engg.	Energy Conservation, Modeling, Simulation	R. A. Patil
	Process, Mechanical Design, Reaction Engg., Stoichiometry	L.V. Malade

	Chemical Engg. Processes and analytical methods of analysis	A.V. Patil
	Heat Transfer	R.D. Mahajan
	Pollution Control, Utilities, Separation Processes	S.G. Ingole
	Construction & Management,	Prof. A. M Joshi
	Transportation Engg.	Prof. S. B. Sabnis
Civil Engg.	Surveying	Prof.N.A.Mohite
	Water Resource Engg.	Prof. M. J Patil, Prof. S. P Jadhav
	Environmental Engg.	Prof. V. B. Awati
	Ad Hoc Networks, Network Security	Prof. Dr. V. R. Ghorpade
	Distributed Systems, Automata Theory, Cloud Computing	Prof.Dr. G. A. Patil
	Database Engg.	Prof. B. D. Jitkar
	Data Mining	Prof. Mrs. J. N. Jadha
Computer Science	Automata Theory	Ms. R. J. Dhanal
	Programming C,C++	Mrs. D. P. Patil, Mrs. K. M. Patil
	Web Security	Mrs. V. S. Rupnar
	Networking	Mr. K. T. Mane
	Clustering	Mrs. V. S. Rupnar
	Compiler Construction	Ms. R. J. Dhanal
	Wireless communication & Ad-hoc Networking	Prof. Dr.A. N. Jadhav
	Wireless communication & Wireless Sensor Networks, Mobile Computing	Prof. Dr. Mrs. S. V. Sankpal
Electronics	Image Processing,ANN	Prof. S. R. Khot
	Embedded Systems.	Prof. S. B. Patil
	VLSI Embedded System.	Prof. Mrs. P.S. Pise
	Embedded System.	Prof. Miss. N. S. Vatkar
	Image Processing	Mrs. M. V. Bhanuse
Information Technology	Image Processing.Mobile Technology,ANN	Prof.Dr. K. V. Kulhall

	Computer Networks, Distributed Computing,	Mrs. V. P. Patil
	Design	Prof. S. R. Todkar
Mechanical	Heat & Power	Prof. M. B. Kittur
Mechanical	Heat & Power	Prof. D. N. Deomore
	Heat & Power	Prof. A. V. Ghute-Patil
	Design, Power	P. D. Bhosale
	Heat and mass Transfer, Industrial Equipment Building	K. Y. Shiralkar
Production	Computer Aided Manufacturing	P. D. Chougule
	Mechatronics, Automation	A. M. Mane
	Manufacturing, Machining, Difficult to Cut Metals, Optimization	S. J. Raykar
	Transform & Calculus	Mr. K. P. Chopade
General Engineering	Inorganic Chemistry	Dr. A. A. Rathod
	Material Science	Dr. A. V. Kadam

# 3.1.8. Enumerate the efforts of the institute in attracting researchers of eminence to visit the campus and interact with teachers and students?

- → Departments have signed MOU with various different industries for industrial interaction.
- → The college organizes technical symposium, project competition, workshops, seminars, guest lecture for students where experts from academic colleges, industries are invited for delivering keynote addresses, special lectures with interaction with teacher and students.
- → Various short-term training programs, workshops, faculty development programmes for faculties are organized, for which experts are invited to deliver special lectures and deliberations on important issues.
- → The faculty members are encouraged to collaborate with eminent professors of reputed colleges for their research activities.

Some of the eminent personalities who visited our campus are as follows:

Sr.	Eminent persons visited and interacted with	Date Visited
	faculties and students	
1	Mr. Kushal Sharma Big data consultant at Indeed	12/3/16
	Inspiring Infotech, Pune	12/3/10
2	Prof. GuoPeng, Mr. Liu Thao& Mr. Zong from China	02/02/2015
3	Prof. (Dr.) Sanjay Mahajani and Prof. Patankar, IIT – B, Powai	14/02/2015

4	Prof. Dr. G. D. Yadav, Vice-Chancellor, Institute of Chemical Technology (ICT/UDCT), Mumbai	25/01/2011
5	Prof. (Dr.) Vijay Babu, Head, Department of Chemical Engg., BATU, Lonere	25/01/2014
6	Mr. Ajay Pal	09/02/14 and 10/02/2014
7	Dr. V. S. Apte, Mr. N. A. Jadhav, Mr. Pushkraj Harshe	21/08/2014
8	Dr. Shivram Bhoje, Scientist, BARC	14/03/2013
9	Prof. Dr. S. S. Bhagwat, H. O. D. (Chemical Technology), ICT. Mumbai	27/08/2013

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

There is no provision for sabbatical leave as of now. However, the college sanction leave to the faculty for completion of their research work.

- 3.1.10. Provide details of the initiatives taken up by the institute in creating awareness / advocating / transfer of relative findings of research of the institute and elsewhere to students and community (details lab to land)
  - → At department level, projects are demonstrated by the students through various assessment tools to a group of review committees. The tools include seminar, poster presentation. Apart from this students participate in various research and project competition, wherein an external review is done.
  - → Conducting national and international level conferences.
  - → Encouraging the faculty and students to participate in the national and international conferences held in other colleges.
  - → Funding the research activities of the faculty and reimbursing the registration fee and TA/DA expenses incurred in attending such technical conference incentives to faculty when they publish their findings in refereed journals.
  - → Encouraging the PG students to publish technical papers based on the findings of their final year project work.
  - → Providing access to national and international journals thereby encouraging the faculty to keep themselves updated with the recent developments in their respective areas of research

- → Encouraging the faculties to visit Industries and Colleges as a resource person.
- → Details of the research in terms of academic projects done by the college in society welfare is given below:

Sr.	Topic of Research	Objective of Research Activity	Outcome
1	Localization Of Security System For Human Collection Of Crime Evidence	In many crime cases because of lack of enough evidence criminals don't get punishment. So in such cases it is necessary to collect the enough evidence against criminals.	This project provides enough evidence against the criminals. So this system becomes very useful to catch the criminals with evidence.
2	Hand Gesture Controlled Wheelchair With Obstacle Detection	For the handicapped person it is difficult to do the day today's activity related to the movement. Also it is difficult to face the obstacles. In such cases it is required to find the obstacle with wheelchair	This project find out the obstacle by hand gesture controlled wheelchair. This becomes very helpful for the handicapped person to avoid the obstacles once it is detected.
3	E-Stick For Blind	For the blind person it is good enough to use the stick for his regular movements. But by using regular stick it is more difficult to do the movements. So it is required to find out the easy way for it. So E-stick concept comes into research.	This E-stick is very useful for the blind person. It gives better flexibility in terms of movement. It makes easy movements of blind person with less effort.
4	Generation of electric energy using gym equipment	The concept of our project is to generate electrical energy by converting reciprocating motion obtained from gym equipment into rotary motion and given that to the alternator. The current obtained from that alternator is stored in the	

		battery. After that this stored energy can be utilized for lighting the gym.	transmitted to the gear box. In gear box 6 times increase in rpm is obtained. After gear box this motion is transmitted to alternator. Then the current which is generated is stored in the battery.
5	Low cost home security system	Now a day's locking system have latches, bolts and electronic security system. Such systems are costlier with complex working along with initial cost. The operating cost is considerably high. Such security systems are installed in banks, corporate office and society who afford this system. So people at large find this high end system unaffordable solution for home security.	The locking system which is not complex provides high security and it is affordable by common people.
6	Heat recovery refrigeration system	With increasing cost of fossil fuel and with their inherent polluting nature energy conservation is the primary need of the day. Heat is the most widely used form of energy and wide opportunities exist for heat recovery in most of the industries. Examples are refractory, boiler exhaust, furnace, RAC and HVAC system etc. We have considered the opportunity for heat recovery in refrigeration system and would be explaining the subject in detail.	Employing heat recovery technology not only improve the efficiency of the original system but also leads to cost reduction as lesser fuel would be require to heat water or air. This also means the cost can be brought down.
7	Advanced Agriculture System by using Android	To enhance productivity	Enhances agricultural productivity, farming efficiency, earnings

8	E Government	To minimize corruption	government documents /ertificates made available within single website
9	Kisan Mitra: Soil Health Card	To know about the soil of their farm.	All farmers will get information about health of soil and get recommendation n for list of crops.
10	Android Based Kheti Mart for Indian Farmer	To get direct market for Farmers	Farmers can sell all products and agricultural equipments in single location
11	Smart Ration Card	To minimize corruption in government distribution of grocery.	All information related to dealer, customers and records of customer will get within single Site.
12	Android App for Orphanage and old age home	It is one kind of help for old and orphanage peoples.	Orphanage and old homes will easily get help from helpers through this system.

#### 3.2. Resource Mobilization for Research

3.2.1. What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

As mentioned below, less than 1% of total budget is allocated for research and development activities for purchasing equipment, machinery, maintenance, furniture, books etc.

Major heads in capital R & D budget					budget	
Academ ic year	Equipmo machi		Furni	Furniture		ks
	Allocated	Spent	Allocated	Spent	Allocated	Spent
2016-17	2000000	1259432	700000	589212	100000	35790
2015-16	1000000	917402	130000	116636	600000	536526
2014-15	1398751	1339001	200000	190000	115000	15000

3.2.2. Is there a provision in the institute to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four

#### years?

Financial assistance to attend conference for paper presentation is given to the faculty. Faculty members presenting papers/posters in conference are provided with one/two day OD. R & D Centre applies for research grants from DST, SERB, AICTE, DRDO, BRNS etc. The funds obtained are disbursed to develop research lab and to students for carrying their project work. All necessary support in terms of infrastructure and reference materials is provided for faculty as well as students to carry out their research work.

Funds provided by college for seminars/workshops:

Name of Dept.	Name of Faculty	Amount of funding received	Academic year	Name of Conf./Seminar/Workshop with place
Chemical Engg.	K.T. Jadhav	25000/-	2014-15	NBA workshop at Walchand Engg. College, Sangli
Chemical Engg.	K.T. Jadhav	11000/-	2011-12	Advance in Chemical Engg. Conference at IIT, Kharagpur

# 3.2.3. What are the financial provisions made available to support student research projects by students?

There is a separate financial provision made by the college for student's projects under student centric initiatives. College has started **Project Grant to College Students (PGCS) Scheme** under which five to six BE projects are funded every year. There are many occasions where college has provided financial support to the student in their academic/research projects.

Various equipments like universal testing machine, ultrasonic pulse velocity tester, rebound hammer, compression testing machine, abrasion testing machine, Ferro detector & so on as well as softwares like Matlab, Vsim, Multisim, Ansys-14, Private Cloud Set-up etc. are made available for student research work as and when required.

Project Grants to support students research projects by AICTE

Sr. No.	Item particulars	Dept	Year of purchase	Cost of investment in rupees/ lakhs
			2016-17	1,34,000
1	Aspen Plus Software	Chemical	2015-16 2013-14	1,33,000
	<b>1</b>		2012-13	
			2011-12	1,26,800
2	Gas Chromatography (Under Installation)	Chemical	2012-13	5,25,000
3	Reactive Distillation	Chemical	2012-13	5,10,000

4	Vapor Liquid Equilibrium	Chemical	2012-13	60000
5	CSTR with stirrer	Chemical	2011-12	21000

# 3.2.4. How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

Faculty members interested in interdisciplinary research from different department meets every month to discuss the leading edge research topics in full length with other members for mutual benefits. As a result, many new research ideas had been generated leading to a good number of quality research papers. Considering expertise and facilities available, the research committee identifies the interdisciplinary areas of research. Some examples of successful endeavours between different departments are cited below:

Sr.	Dept.	Academic	Name of project
		year	
			Transformation of A Lane over
1)	Architecture	2016-17	the period of Time- Case
			Shahupuri 3 <sup>rd</sup> lane.
			Proposal and development of
2)	Architecture	2016-17	Jayanti nala bank – stretch
2)	Architecture	2010-17	between Wilson bridge and
			konda oal road.
	Chemical Engg-		Photo-electrochromic
3)	Physics Physics	2016-17	properties WO3/graphene
	1 119 51 5 5		oxide thin films
4)	Chemical –Civil	2016-17	S. E. project for Environmental
			Studies
5)	Architecture	2015-16	Energy Audit of Department of
-		2010 10	Architecture
	A 1 **	2015 16	Campus Sustainability in terms
6)	Architecture	2015-16	of us of water,
			D.Y.P.C.E.T.,Kolhapur
7)	Chemical-Electronics	2015-16	Use of MATLAB Software
			TT 1 4 11
	G		Hydrothermally grown
8)	Chemical Engg-	2015-16	nanostructured
	Physics		WO3/polyaniline thin films as
			a supercapacitor
0)	Chemical –Civil	2015-16	S. E. project for Environmental
9)	Chemical –Civii	2013-10	Studies

10)	Chemical Engg- Physics	2014-15	Electrochemical study of nanostructured WO3 thin films by electro deposition
11)	Architecture	2013-14	Efficient use of College Lift, D.Y.P.C.E.T.,Kolhapur
12)	Chemical –Civil	2013-14	S. E. project for Environmental Studies

# 3.2.5 How does the institute ensure optimal use of various equipment and research facilities of the institute by its staff and students?

- → The college has created a common R & D Centre with computing facility, Internet facility, library and specialized hardware and software. Separate well equipped research lab is developed in Physics department to carry out project received from DST-SERB, New Delhi.
- → The optimal use of various equipments for research is notified in utilization register.
- → The college library provides access of journals like IEEE, IOP, SCIENCE DIRECT etc. for researchers.
- → R & D committee conducts six monthly meetings to monitor the resources required and its utilization.
- → All equipments existing in the labs are calibrated and made available both to faculty members and students.
- → In the college, the lab and other research facilities is left open for both students and faculty members beyond official working time and also during vacation period.
- → College campus is connected with full-fledged LAN facility with numerous computers in every department and also installed with required latest system and application software packages.
- → College central library has access to more than 40000 volumes and not less than 16000 titles, 40 Indian journals, 63 international journals with central computational facility fitted with 10 Mbps internet connectivity.
- 3.2.6. Has the institute received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details.

Sr.	Project Title	Principal Investigator, Designation with Dept.	Funding agency	Amount (Rs.)	Year
1	Computer Vision based Approach for the Early Dtetection of Oral Carcinoma	Prof. Dr. Kshama Kulhalli, Vice- Principal and H.O.D (I.T.)	Rajiv Gandhi Science & Technology Commision, Mumbai	In Process	2015
2	Hydrothermally grown nanostructured tungsten oxide thin film for smart window	Dr. A. V. Kadam, Asso. Prof., General Engg.	DST SERB NEW DELHI	21,55,000/-	2014
3	Electro-deposit of stable W03 Thin films for Electro chromic films	Dr. A. V. Kadam, Asso. Prof., General Engg.	Shivaji University	25000/-	2014
4	Modernization of Mass Transfer Laboratory	A.L. Jadhav, Asst. Prof., Chemical Engg. Dept	AICTE, New Delhi	1100000/-	2011-
5	Ph.D.	R. B. Koli, Asso. Prof., Arch. Dept.	Rajiv Gandhi National Fellowship	2,20,000/-	2005- 06
6	Ph.D.	R. B. Koli, Asso. Prof., Arch. Dept.	AICTE	4,00,000/-	2002- 2003
7	Leakage Reduction Strategy for Kolhapur	Abhay Joshi, Asso. Prof., Civil Engg. Dept	Financial Colleges Reform and Expansion Project funded by the U.S. Agency for International Development	60,000/-	1999- 2000

3.2.7. Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and

#### grants received during the last four years.

Some of our faculty members currently executing the research projects from AICTE, DRDO, DST, SERB etc., and college has given the undertaking to those funding agencies that in case expenditure incurred by the Principal Investigator is more than the sanctioned amount, then college will bear the expenditure from its own resources as seed money. The teaching load is brought down for the principal investigator mainly to make them to feel comfortable while carrying out such prestigious assignments. The management also shares percentage of the total income generated with principal investigators for motivating the academic research. List of major and minor funded projects done by each department is separately furnished in the following table.

Number of BE projects from various department sponsored by different industries. They have provided technical platform for completion of project of students.

Some important funding is listed below:

Dont	Nature of	Dura yea		Name of	Total	grant	Total grant
Dept.	project	From	to	funding Agency	Sanc.	Receive d	received till date
Physics	DST-SERB	2014	2017	DST- SERB	2155000	2025000	2025000
Physics	Shivaji University	2014	2015	Shivaji university	25,000	25,000	25,000
Chemical -ICT- Aarti Drugs Ltd., Mumbai	Purification of Rankala lake by Hydrodynamic Cavitation(Resea rch by Pr.A.B. Pandit,ICT,, Mumbai	2014	2015	Aarti Drugs Ltd., Mumbai under CSR	2500000	1100000	1100000
Chemical	Modernization of Mass Transfer Laboratory under MODROB Scheme.	2011	2012	AICTE, New Delhi	1100000	1100000	1100000

#### 3.3. Research Facilities:

3.3.1. What are the research facilities available to the students and research

#### scholars within the campus?

The college has recognized research guides in Computer, Electronics and Physics department. Various research equipment, hardware with required software and infrastructural facilities have been made available to students and research scholars for carrying out research activities. A separate research lab in Physics department has been developed to work out the DST-SERB, New Delhi project.

The following are the major infrastructure facilities and resources available in all the departments:

- → Wi-Fi Campus
- → High speed internet connectivity up to 10 Mbps and NKN connectivity.
- → Access to e-journals and e-books
- → Various equipments like electrochemical workstation, Gas Chromatography, Reactive Distillation setup, Ultrasonic Pulse Velocity Tester, Ferro detector, Private Cloud Set-Up, Orifice meter, Venturi meter & so on are made available to carry out research even beyond the working hours.
- → Various softwares like Aspen plus, Matlab, Obulator, Vsim, Multisim etc. are made available to students and research scholars within the campus.
- → For Architecture department softwares like Ecotect, Rivet are available for the students and research scholars within campus.

Sr. No.	Department	Facilities Available	Academic year
1	Chemical Engg.	Aspen plus Software	2016-17 2015-16 2013-14 2012-13
2	Physics	Electrochemical Work Station	2013-14
3	Chemical Engg.	CSTR	2012-13
4	Chemical Engg.	Gas Chromatography(Under Installation), Reactive Distillation setup	2011-12

# 3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

R and D committee conducts meeting every semester to recommend the collegeal strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers.

#### **→** Strategies for planning

- Develop and maintain high-quality, relevant and focused research, supplying innovative solutions to challenges faced by the scholarly community.
- Increase the number of publications in quality journals.
- Provide specific training/workshops linked to the research capacity.
- Development programme within the research entities to ensure growth in research output within the research entities.
- Plan for prioritize and fund facilities for existing and new research programs.
- Encouraging the faculty and students to interact with industries.

#### **→** Strategies for upgrading

- Expand the implementation of expertise, both commercially and community-directed, for the benefit of the researcher.
- Monitor the implementation of the research entities model and adjust if and where necessary: guide and support new research entities to become established research entities.
- Pursue multi and trans-disciplinary collaborative research programs.
- Develop the research capacity of staff through quality improvement, training in the submission of research applications and the promotion of (preferably) doctoral fellows.
- Encouragement given to faculty for Applying to funding agencies like AICTE through their various schemes like MODROB, Research Promotion Scheme (RPS), EMR, Startup young scientist mainly to establish research facilities through sanctioned funded project.
- Each department has industry- institute interaction cell for creating and enhancing new facilities to conduct joint research activity.

#### **→** Strategies for creating infrastructural facilities

- In line with the curriculum requirement, the basic infrastructure is available for both under graduate & post graduate courses.
- To meet the increased strength of students and also to meet the demand of new leading edge technology, Management continuously identify and procures new equipments for research work and also submit proposals for getting MODROBS from AICTE.
- In department budget allocation, normally funds separately have been allocated for research through which latest software and equipments can be procured to carry out the research.

- Sophisticated instruments, modeling tools, software, and modern equipments will be purchased every year for upgrading and creating the research infrastructural facilities to meet the needs of new and emerging areas of research.
- Department of Architecture has received funds from NIASA, CoA, AICTE and Shivaji University, Kolhapur.
- 3.3.3. Has the institute received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If 'yes', what are the instruments / facilities created during the last four years?

The following table gives the details about the grants received from the industry / other funding agencies.

Sr.	Dept.	Information about research facility created	Sponsor	Amount (Rs)
1	Chemical	Modernization of Mass Transfer Laboratory under MODROB Scheme to purchase Gas Chromatography, Reactive Distillation and vapor liquid equibria setup	AICTE, New Delhi	11,00,000/-
2	Physics	Model No. CHI608E, Electrochemical Workstation with Potentiostat / Galvanostat with Corrosion, Impedance, Electrochemistry s/w, and Latest Windows Based Acquisition s/w	DST SERB, NEW DELHI	7,00,000/-
3	Physics	MUFFLE FURNACE	DST SERB New Delhi	22478/-
4	Physics	Autoclave	DST SERB New Delhi	51615/-
5	Physics	Magnetic stirrer	DST SERB New Delhi	6952/-
6	Physics	DIGITAL BALANCE	DST SERB	26432/-
7	Physics	ULTRASONIC CLEANER	DST	15401/-

			SERB	
8	Physics	Water double distillation unit	DST SERB	23680/-
9	Physics	Autoclave SS with Teflon liner	DST SERB	9675/-
10	Physics	UPS - 1000 L	DST SERB	23602/-

# 3.3.4. What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?

- → College encourages students and research scholars to visit different labs for research purpose by providing leaves and other facilities. Prominent labs visited are those at NCL Pune, IIT Bombay and CFC of Shivaji University, FIE Ichalkaranji.
- → Architecture department has launched student's chapter for Indian Green Building Council (IGBC) which will inspire, instill, and imbibe green approach in minds of the students for a sustainable tomorrow.
- → Costly equipments available at Industry and Research Colleges are made available to our staff members by entering suitable MOU arrangement for mutual benefit.
- → UG and PG students are always encouraged to do their project work at Research organizations and Industries like NCL, Excel Industries Ltd., Gharda Chemicals Ltd., DRDO, ISRO, Deepak Novachem Tech. Ltd. etc.
- → Faculty members registered for Ph.D. programme are allowed to avail the Shivaji University and D.Y. Patil University's research facilities.
- → Faculty members are associated with various professional bodies like ISTE, IRC, IE, etc.

# 3.3.5. Provide details on the library/ information resource Centre or any other facilities available specifically for the researchers?

#### **Architecture Dept.:**

The library has 2782 titles covering all major fields of architecture. The Library has the following facilities for the faculty, staff and the students: Conferencing, Multimedia, Internet, Reprography and a CD-ROM collection.

The college subscribes to most of the major technical journals. To encourage online learning, Multimedia Computers with internet connectivity provided for accessing CDs, e-books, e-journals etc. The total number of volumes, Print and Online journals, CD's are indicated in the following table.

Sr.	Library Resources	Availability in numbers
1	International Journals	03

2	National Journals	03
3	Volumes	5042
4	Titles	2782
5	Magazines	06
6	Daily Newspaper	02
7	EBooks	100
8	CD-ROM's	126

- 3.3.6. What are the collaborative researches facilities developed / created by the research institutes in the institute? For ex. Laboratories, library, instruments, computers, new technology etc.
  - → College has been recognized by IIT Bombay, Mumbai as a Remote Centre for NMEICT.
  - → College has signed various MOU's with industries and universities in order to have collaborative research.

Sr.No.	Name of University	Objectives	Date
1	MoU, Pariksha.Co	Aptitude Preperation	14/3/2017
2	Indo-German DAAD	Exploring Education and Research and Carrier Opportunities	8/3/2017
3	Niagara College, Wellano, Canada	International Development	1/3/2017
4	Bosch-German	Web Based training program for automotive technology	6/3/2017

#### 3.4. Research Publications and Awards

3.4.1. Highlight the major research achievements of the staff and students in terms of Patents obtained and filed (process and product). Original research contributing to product improvement Research studies or surveys benefiting the community or improving the services. Research inputs contributing to new initiatives and social development

Major research achievements of the staff in terms of original research contributions (patents):

Patents obtained and filed.

ı	Sr.	Details of Research achievements of the staff and	Year
		students Year	
Ī		Dr. V. R. Ghorpade and Amit Savyanavar	
	1	Method and Apparatus for High Performance Computing	5/11/2015
		using Mobile Grid (Patent filed)	
Ī		Prof. P. D. Bagade. Sandeep V. Magdum, Apurv Joshi,	
	2	Arjun Nandikurale.	28/2/2014
		Low Cost Home Security System (Patent filed)	

	[39 of 1970, section 10 rule 13]	
3	Dr. T. B. Mohite-Patil filed following patents 1. Kendal Conversion to useful products, 2209/MUM/2012 2. Remote mobile charger, 2208/MUM/2012 3. High voltage guard for TV, 2207/MUM/2012 4. Railway Accident prevention by railway track breakage pre-intimation system, 2206/MUM/2012 5. Power generation by refilling of Borewel, 2205/MUM/2012 (Patent filed)	2012-13

#### • Funded Project:

#### Dr. A. V. Kadam:

- 1. Electro deposition of stable W03 Thin films for Electrochromic films.
- 2. Hydrothermally grown nanostructured tungsten oxide thin film for smart window.
- 3.4.2. Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

Yes. International Journal of Research in Engineering & Technology

3.4.3. Give details of publications by the faculty and students:

Publication per faculty Number of papers published by faculty and students in peer Reviewed journals (national/international)

a) Books Published:

Name of	Name of the book	Year	Name of	ISBN	
Faculty	published		Publisher	Number	
A.M.Joshi	Engineering	2017	Electrotech,	978-93-	
A.WI.JOSHI	Management	2017	Satara	83752-45-4	
	Book Chapter in		Springer –		
S. J. Raikar	Advances in	2017	Atlantis	ISBN :- 978-94- 6252-305-0	
S. J. Kaikai	Intelligent Systems	2017			
	Research		Press		
	Book Chapter-				
Dr. S. V. Sankpal	Implementation of	2017	Springer-	ISBN-978-3-	
Di. S. V. Sankpar	QoS Based Policer in	2017	Nature	319-53555-5	
	Router in NGN				
A.M.Joshi	Concrete Technology	2016	Electrotech,	978-93-	
A.WI.JUSIII	Concrete recimology	2010	Satara	83752-45-7	
A M Loghi	Transportation Enga	2016	Electrotech,	978-93-	
A.M.Joshi	Transportation Engg.	2016	Satara	83752-45-9	
M I Dotil	-41 Florid Monkowicz 2015		Ninali Dana	978-93-5164-	
M.J.Patil	Fluid Mechanics	2015	Nirali, Pune	470-5	
V.G.Shetti	Building Design	2015	Nirali, Pune	978-93-5164-	

	& Drawing			466-8
Prof. Dr. A.V. Kadam	Engineering Physics	2014	Techmax	978-93-5077- 350-5
Madhuri V. Mane	Artificiel Intelligence	2013	Pearson	ISBN-97-81- 317-9059-5
Prof. Dr. A.V. Kadam	Engineering Physics	2013	Pearson	978-81-317- 6393-3
Prof. A. N. Jadhav	Basic Electronics & Computer Programming in C	2012	Pearson	978-81-317- 6580-7
Madhuri B. Aruhunshi	Structured & Object Oriented Analysis & Design Methodology	2012	Pearson	ISBN978-81- 317-6622-4
Prof. Dr. K. T. Jadhav.	Transport Phenomena	2007	Chinmay Publications, Pune	81-89194-09- 7
Prof. Dr. K. T. Jadhav.	Process Dynamics and control	2006	Chinmay Publications, Pune	81-89194-04- 6

#### b) Editor of Proceedings of National Conference/Journal:

- 1. Prof. Dr. V. R. Ghorpade: NCETETA-from 2011 till date
- 2. Prof. Dr. K. V. Kulhalli: International Journal of Computer Science & Information Technology (IJCSIT)
- 3. Prof. S.R. Khot: International Journal of Computer Science & Information Technology (IJCSIT)

#### c) Reviewer of Journal/Conference:

Name of Faculty	Designation	Name of Journal/Conference
Prof. Dr. S. V. Sankpal	Professor, Dept. Of Electronics	International Conference on "Advanced Technologies for Sociatal Applications" 2016
Prof. Dr. S. V. Sankpal	Professor, Dept. Of Electronics	National Conference on Interdisciplinary Trends in Engineering and Technology (NCITET 2017)
Prof. Dr. S. V. Sankpal	Professor, Dept. Of Electronics	PGCon 2017,RIT
Prof. Dr. S. V. Sankpal	Professor, Dept. Of Electronics	Global Conference on Wireless Computing & Networking-2014 (GCWCN2014Nov. 2014)
Prof. Dr. A.V. Kadam	Assistant Professor	Sensors and Actuators A:Physical-Journal-Elsevier
Prof. Dr. A.V. Kadam	Assistant Professor	SERB funded projects
Prof. Dr. A.V.	Assistant Professor	iCETETA 2017, NCETETA, at

Kadam		DYPCET, Kolhapur, 2014, 2015 & 2016
Prof. M. J Patil	HOD, Civil Dept, & Associate Professor at DYPCET, Kop	NCETETA, at DYPCET, Kolhapur, 2014 & 2015
Prof. S. R. Khot	Asso. Prof., Dept. of Information Technology	2014-1 <sup>st</sup> Global Conference on Wireless Computing and Networking- GCWCN2014
Prof. Dr. A.J.Gujar	Professor, Dept. Of Mech.	1. Production & Manufacturing Research: An Open Access Journal (Taylor and Francis Publications), ISSN: 2169-3277 (Online) 2. Reviewer for International Journal of Information Systems and Supply Chain Management, IJISSCM (ISSN: 1935-5726, EISSN: 1935-5734)

# d) Details of faculty publication and related issues are given below:

## 1. Department of Architecture:

Sr.	Name of faculty		No of publications			
		IJ	NJ	IC	NC	
1.	Prof R.G.Sawant	03	-	03	20	
2.	Prof. R.B.Koli	02	02	02	06	
3.	Prof. S.M.Phadtare	01	-	01	07	
4.	Prof. C.S.Dudgikar	04	01	04	21	
5.	Prof. I.S.Jadhav	05	-	05	08	
6.	Prof. N.D.Jirge	04	-	04	14	
7.	Prof. M.A.Mithari	03	-	03	15	
8.	Prof. V.V.Toraskar	01	-	01	08	
9.	Prof. Gayatri Jadhav	03	-	03	-	
10.	Prof. S.M.Patil	01	-	01	09	
11.	Prof. S.Y.Damugde	03	-	03	09	
12.	Prof. Devika Chivate	02	-	02	-	
13.	Prof. T.B.Pingle	03	-	03	14	
14.	Prof. G.N.Vinchu	03	-	03	03	
15.	Prof. Prashant Patil	01	-	01	-	
16.	Prof. Madhulika Jagdale	02	-	02	-	

# **2.Department of Chemical Engineering:**

Sr.	Name of Faculty	No .of Publications		tions	
No.		IJ	NJ	IC	NC
1	Prof. (Dr.) K. T. Jadhav	5	-	8	12
2	Prof. A. L. Jadhav	2	-	5	12
3	Prof. R. A. Patil	1	-	4	14
4	Prof. L.V. Malde	1	-	3	16
5	Prof. R. D. Mahajan	3	-	6	13
6	Prof. A. V. Patil	1	-	3	8
7	Prof. M. A. Patil	2	-	1	2
8	Ms. A. N. Magdum	2	-	3	1
9	Ms. R. R. Shinde	1	-	1	2
10	Ms. F.M. Bagwan	1	-	1	1

# **3. Department of Civil Engineering:**

C.,,	Nome of Feaulty		No.of Publications				
Sr.	Name of Faculty	IJ	NJ	IC	NC		
1	Prof.M.J. Patil	-	-	-	2		
2	Prof S.P.Jadhav	-	-	-	1		
3	Prof.S.B.Sabnis	-	-	-	1		
4	Prof. J.D. Patil	2	1	-	1		
5	Prof.A.M Joshi	2	-	1	17		
6	Prof.V.K Chopdar	-	-	-	3		
7	Prof.V.G Shetti	-	-	-	2		
8	Prof.N.S Misal	-	-	1	3		
9	Prof. V.B.Awati	-	-	-	3		
10	Prof. N.A Mohite	1	-	1	2		
11	Prof.N.J Jadhav	1	-	-	2		
12	Prof. S.P Chavan	-	-	-	2		
13	Prof.S.S Patil	1	-	-	3		
14	Prof.S.S Chavan	-	-	-	1		
15	Prof.A.A.Patil	1	-	1	_		
16	Prof.P.K.Figveredo	-	-	-	-		
17	Prof.A.S.Patil	1	-	-	1		
18	Prof.P.A.Nadgouda	-	-	-	1		

# **4.Department of Computer Science & Engg:**

Sr.	Name of Faculty	Number of Publications				
		IJ	NJ	IC	NC	
1	Dr. V. R. Ghorpade	25	3	14	13	
2	Prof. Dr. G. A. Patil	15	7	13	10	
3	Prof. A. J. Jadhav	-	-	1	-	
4	Prof. B. D. Jitkar	3	-	-	6	
5	Prof. Mrs .J.N .Jadhav	-	-	2	2	
6	Mrs.V. S. Rupnar	2	2	1	-	
7	Mrs. S. S. Kokate	2		1	-	
8	Ms. R. J. Dhanal	3	1	-	-	
9	Mr. K. T. Mane	4	-	12	-	
10	Mrs. M. V. Mane	2	1	-	-	
11	Mrs. K. M. Patil	2	-	-	-	
12	Mr. M. K. Kekade	2	-	-	1	
13	Mr. S. B. Karale	-	-	1	1	
14	Mr. R. A. Ghatage	3	-	-	2	
15	Mr. V. V. Mangave	1	-	1	2	
16	Mr. S. D. Bhoaple	04	01	-	02	
17	Mr. S. B. Mohite	01	01	01	04	
18	Mr .N. A. Patil	02	01	-	01	
19	Mr. A.S. Yadav	04	-	-	03	
20	Mr. S. T. Powar	01	-	-	-	
21	Mr. M .J. Shinde	01	-	-	01	
22	Mr. N. A. Haval	1	-	-	-	
23	Ms. R.M. Kaingade	03	01	-	02	
24	Ms.S.R. Makandar	02	-	-	01	
25	Ms. Swati Khavare	01	02	-	01	

**5. Electronics Engineering:** 

Sr.	Name of Faculty	No. of Publications				
		IJ	NJ	IC	NC	
1	Prof. Dr.A. N. Jadhav	48	-	41	36	
2	Prof. Dr. S. V. Sankpal	52	-	41	28	
3	Prof. S. R. Khot	17	-	17	18	

4	Prof.S.B.Patil	22	_	13	15
5	Prof. M. A. Pardesi	1	-	-	-
6	Prof.P.S.Pise	3	-	3	2
7	Prof.N.S,Vatkar	4	-	-	-
8	Mrs. M. V. Bhanuse	4	-	3	1
9	Mr. A. M. Kasabe	5	-	3	2
10	Mrs.A.R.Jadhav	3	-	1	2
11	Mrs.A.A.Dasai	3	1	1	-
12	Miss.R.N.Guravvgol	1	-	-	1
13	Miss.S.S.Mane	6	-	2	1
14	Mr.R.S.Shinde	2	-	2	-
15	Mr.S.C.Shinde	7	-	4	-

#### **6.Information Technology:**

Sr.	Name of Faculty	N	o. of	Publicati	ions
No.		IJ	NJ	IC	NC
1	Dr. K. V. Kulhalli	26	2	28	36
2	Ms. S. B. Patil	1	-	-	-
3	Mrs. V. P. Patil	1	-	2	-
4	Mrs. T.H.Patil	1	-	-	-
5	Ms. M.M.Jagtap	1	-	1	-
6	Dr. K. V. Kulhalli	26	2	28	36

#### 7. Mechanical Engineering:

Sr.	NI CET I	No. of Publications			
No.	Name of Faculty	NJ	IJ	NC	IC
1	Todkar S.R.	2	0	4	3
2	Dr. Gujar A.J.	1	13	7	3
3	Kittur M.B.	0	0	0	8
4	Bagade P.D.	2	0	2	0
5	Benni R.G.	1	6	1	6
6	Qureshi N.M.	2	3	0	3
7	Deomore D.N.	2	0	0	1
8	Ghute Patil A.V.	1	0	4	1

9	Mane P.A.	4	1	2	1
10	Pasare V.I	4	1	2	2
11	Sawant D.A.	0	2	0	1
12	Patil U.N.	3	1	4	2
13	Jadhav D. P.	2	1	0	1
14	Mohite N. T.	0	3	0	1
15	Chougale Y. G.	6	0	5	0
16	Bhingare Y.K.	0	2	2	2
17	Shelar P. B.	0	0	0	0
18	Patil A. S.	0	0	1	0
19	/Patil A.A.	0	0	1	0
20	Pandav P. A.	0	2	0	1
21	Patil Abhijit S.	2	0	0	0
22	Kalyankar A.N.	0	0	0	0
23	Patil S.S.	1	0	0	0
24	Yadav R.D.	0	0	0	0
25	Sonavane S.K.	0	1	0	0
26	Chougule G.A.	0	6	0	0
27	Kale V.S.	0	3	0	0
28	K.C.Budhale	0	1	0	1
29	Hrishikesh K. Jadhav	0	0	0	0
30	Niranjan Shinde	0	1	1	0
31	Gujar S.R.	1	2	1	2
32	Harane P.P	0	2	0	0
33	Raijadhav S.P.	2	3	1	0
34	Chougale R.R.	1	0	0	0

#### **8.Production Engineering:**

Name of Faculty	No. of Publications				
	IJ	NJ	IC	NC	
K Y Shiralkar	2	4	0	1	
P D Chougule	1	1	4	7	
A G Kelkar	0	0	0	3	

S J Raykar	9	1	7	6
S S Warake	2	0	1	6
R B Heddure	0	0	1	1
M R Latte	5	0	4	5
S R Patil	1	0	0	0
Y G Pawar	1	1	0	2
S S Chougule	0	0	0	2

#### 9. General Engineering

Sr.	Name of Faculty		No. of Publications			
51.	Name of Faculty	IJ	NJ	IC	NC	
1	Dr. A. A. Rathod	-	3	1	-	
2	Dr. A. V. Kadam	11	1	8	12	
3	Mrs. V. R. Daddi	5	4	ı	1	

## 3.4.4. Provide details (if any) of research awards received by the faculty, Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally

Incentives given to faculty for receiving state, national and international Recognitions for research contributions

a) Prize won for Best Presentation in Conference.

Sr.	Name of the Faculty	Award/ Recognition	Recognising Body	Year
1.	Prof.Dr.A.N.Jadhav	BEST PAPER	iCETETA, DYPCET	2017
2.	Prof. Mayur Gaikwad	1 <sup>st</sup> Prize	iCETETA, DYPCET	2017
3.	Mrs. M. M. Mithari	BEST PAPER of the Session	iCETETA	2017
4.	Prof.Dr.A.N.Jadhav	BEST PAPER	NCETETA, DYPCET	2016
5.	Prof.S,C,Shinde	BEST PAPER	NCETETA, DYPCET	2016
6.	Prof.Dr.A.N.Jadhav	BEST PAPER	Int.Conf,	2016
7.	Mr. S. M. Phadtare	BEST PAPER of the Session	NCETETA	2016
8.	Prof.B.D.Jitkar	BEST PAPER	NCETETA, DYPCET	2016
9.	Prof.Dr. G. A. Patil	BEST PAPER	NCETETA, DYPCET	2015

10.	Dr. A. V. Kadam	2 <sup>nd</sup> Prize	MSDLA	2015
11.	Prof. G. A. Patil & Mr. S. B. Mohite	Excellent Paper	IRAJ, Pune	2015
12.	Mr. N. A. Patil	1 <sup>st</sup> Prize	NCETETA, DYPCET	2014
13.	Dr. A. V. Kadam	1 <sup>st</sup> Prize	NCETETA, DYPCET	2013
14.	Mrs. I. S. Jadhav	BEST PAPER of the Session	NCETETA	2013
15.	Mrs. S. S. Kale	Best Paper	ICETE, JJMCOE	2013
16.	Dr. A. V. Kadam	1 <sup>st</sup> Prize	NCETETA, DYPCET	2012

#### b) Research Awards:

Dr. A. V. Kadam has been awarded **Young Scientist Fellowship- DST SERB**, New Delhi in 2014.

#### 3.5. Consultancy

## 3.5.1. Give details of the systems and strategies for establishing institute-industry interface?

The College has productive Institute-Industry-Interface(III) for tackling the issue of industry. The discussion between the Industry and College acts as source of knowledge, expertise, training and breakthrough R&D activities, which leads to innovations. One of the important outcomes of the III is the placement of the students in good companies. It bridges the technical gap through effective interaction with industry personnel. Industries provide field problem, ideas and handson experience of live projects to the students. It offers research, development, consultancy and testing services for the faculty and students.

Following are the systems and strategies for establishing collegeindustry interface.

- → Visits of industry executives and practicing engineers are arranged to the College for tackling the issues of site visit to industry, taking BE and ME final year projects for the students.
- → People from the industry are called for giving the expert lecture/talk to the students and seeking research work & state of art project, discussions and delivery lectures on industrial practices, latest trends, etc.
- → Conduct of Workshop/FDP /SDP /Conference/Symposia in collaboration with industry personnel.
- → Identify the research area from specific industries & arranging the meetings of faculty/students with industry personnel.
- → Identifying the expertise available with the industry and utilizing it for the benefit of faculty and students.

- → To undergo short-term/long-term internship /trainings at industry.
- → Following are some of the training/workshop/seminar/guest lecture arranged for students/faculty in collaborations with industry.

Date	Training/Workshop Name	Resource Person
12/3/2016	Workshop – Training of Civil Engg. Structures Software	Mr.Dinesh Nainani
8/09/2016	STTP on "Fluid Flow & Unit Operations with Plant Visit" at RCF Ltd., Mumbai,	Mr. D. M. Ramteke, HR Manager (D), HRD Center, Training Institute, RCF Ltd, Mumbai
27/08/2016	Gas Chromatography	Prof.A.L.Jadhav,Prof.A.V.Patil, Mr. Anil Mohite
10/08/2016 to 18/08/2016	Aspen plus training programme	Prof.R.A.Patil, Prof.L.V.Malade
16/03/2016	Aspen plus training programme	Dr. K. T. Jadhav , M. A. Patil , Mr. Mohan Patil
5/03/2016	Aspen plus training programme	Prof.R.A.Patil, Prof.L.V.Malade
26/02/2016	One Day Work shop on "Gas chromatography."	Prof.A.L.Jadhav, Prof.A.V.Patil
1/10/16 to 4/10/16	One week workshop on " Industrial Automation"	Prolific Systems Ltd,Pune
23/10/2015	One Day Workshop on "Enhancement of Interpersonal skills & keys to crack HR Interviews"	Mrs. Pallavi Desai (Professional Career Councelor, kolhapur) Amita Jadhav (Director, Wings Acadamy, Kolhapur) Mrs. Esha Nikam (Manager HR, Raymond's Zambiatte Ltd.
22/09/2015	STTP on "Fluid Flow & Unit Operations with Plant Visit" at RCF Ltd., Mumbai,	Mr. D. M. Ramteke, HR Manager (D), HRD Center, Training Institute, RCF Ltd, Mumbai
12/08/2015 to 13/05/2015	National Level Championship workshop on Staad Pro Software	Robo Edutech India Pvt. Ltd, Bangalore
26/03/2015 to 27/03/2015	2 day Workshop on Revit & Auto CAD Software	CAAD Centre, Kolhapur
27/01/2015	Opportunity for higher study and scholarships in abroad for students	Mr. Jain
02/02/2015	Awareness of lost foam	Prof. Mr. Guo Peng

	process casting and rapid	Mr. Lin Tao and Mr. Zong
	prototyping	
09/02/2015	Practical aspect of gear design	Mr. Vijay Sankpal
24/01/2014	Application of CAD Software's	Janhavi S. Patil
27/01/2014	Practical aspect of gear design	Mr. Vijay Sankpal
07/02/2014	Industrial piping	Mr. Pramod Deshmukh
13/03/2014	Power plant engineering	Mr. Arvind Paranjape
12/2/2013	Android for Mobile Technologies	Mr. S. R. Malagi
29/03/2013	Business Intelligence System	Mr. Anand Kolharkar
19/08/2013 to 24/08/2013	Aspen plus training programme	Prof.R.A.Patil, Prof.L.V.Malade
25/11/2013 to 05/12/2013	Workshop on Engineering Mechanics	Faculty, IIT Bombay

Following are the site / Industrial visits arranged in support with industry people.

<b>Date of Visit</b>	Name of place of visit
09/01/2017	Rasika Renaissance, Kolhapur
03/03/2017	MIDC Lote parshuram, Chiplun Dist- Ratnagiri
05/02/2017	Study of trusses and Timber Flooring at New Palace, Kolhapur
14/09/2016	R.C.C. Staircase, Glass Curtain Walls, Masonry Retaining Walls
4/03/2016	Roha MIDC dist-Raigad
27/02/2016	New Jaybharat Soap Industries", MIDC, Shiroli, Kolhapur.
12/01/2015	Residential Construction Site at Tarabai Park
13/3/2015	Emerson Power Network (Pune) ,Satara
13/02/2015	"Dhakhan Shrusti" near Blue Mountain Mineral Water Plant, Mouje Sarnobatwadi Kolhapur to understand the Building Planning & Drawing
19/03/2015	Tillari Dam Project to understand the water resource engineering
20/03/2015	Sunanda Agro Products Ltd., MIDC, Gokul Shirgaon, Kolhapur.
19/03/2015	
to 20/03/2015	Roha MIDC dist-Raigad

22/03/2015		
to	Akashwani, Panjim	
23/03/2015		
19/03/2015		
to	C-DAC, Bangalore	
20/03/2015		
24/03/2014 to	MIDC Lote Parshuram, Chiplun., Deepak Nova chem Tech. Ltd.	
25/03/2014	C 1 A D 1 ( I/1 MIDC C 1 101'	
25/03/2014	Sunanda Agro Products Ltd., MIDC, Gokul Shirgaon, Kolhapur	
24/02/2014	Collector Office Site, Kolhapur to understand the Building Planning & Drawing	
14/03/2014	Laxmi Vilas Palace, Kasba Bawda, Kolhapur to understand the	
to	concept of civil engineering to FE students	
17/03/2014		
03/04/2014	STP at Jayanti Nala to understand the importance of Sewage Treatment Plant	
15/04/2014	Lawasa City, Blue Ridge City, Amanora Park, Universal	
to	Construction Equipment Co., Pune	
16/04/2014		
17/03/2014	New Building, D. Y. Patil COET to understand the concept of civil engineering to FE students	
14/09/2014	Prabha industries, Kolhapur	
09/04/2014	Koyana dam, Satara	
11/02/2104	RND industries, Kolhapur	
09/04/2014	Radhanagari dam, Radhanagari	
19/09/2014	D. Y. Patil S.S.K. Ltd., Gaganbawada	
1/2/2014	In Yantra Technologies Pvt. Ltd. Shirval	
26/01/2014		
to	INTEL Benglore	
30/01/2014		
25/01/2014		
to	IBM Hyderabad	
29/01/2014		
31/03/2013	Chandoli Dam Project to understand the concept Water Resource Engg.by BE students	
18/03/2013	Lote Peshuram, Chiplun	
18/03/2013	Pad Dr. D. Y. Patil Co-operative Sugar Factory Ltd.", Gagan Bavada.	
	Water Treatment Plant at Kolhapur to understand its design	

9/2/2013	ENSOFT Informatics Pvt. Shirval	
23/3/2013	AIR Station, Panhala	
2012-13	IBM Industries Bangalore	
6/07/2013 to	Training College, RCF Ltd., Chembur, Mumbai-74.	
7/9/13	Training Conege, RCF Ltd., Chembul, Wullidai-74.	
10/9/12 &	Training College, RCF Ltd., Chembur, Mumbai-74.	
11/9/12	Training Conege, KCT Ltd., Chemour, Munical-74.	
17/03/2012	Pentokey Organy Ltd., Gharda Chemicals Ltd., Excel	
to	Industries Ltd., Chiplun.	
18/03/2012	muusures Eta., Cinpiun.	
23/03/2012		
to	Welspun Maxsteel Ltd. Salav	
24/03/2012		
11/04/2012	Miraj Railway Junction to understand concept Transportation	
11/04/2012	engineering	
23/2/2012	AIR Station, Panhala	

#### **Details of long Industrial Tour:**

- i) A two day visit of final year students was arranged to Pune to see the civil engineering company and study its details from subject point of view. 115 students were accompanied by five faculty/staff on 13 and -14 .3. 2015. Company visited were Magar Patta city, phoenix mall.
- ii) A two day visit of third year students was arranged to Tillari Dam to study its details from subject point of view. 96 students were accompanied by five faculty/staff on 10 and -11.3.2015.
- iii) One week industrial tour of final year IT students was arranged to Bangalore and Mysore on 14 to 19 March 2013. To see the different company and study its details from subject point of view. 47 students were accompanied by 02 faculty/staff.

Following is the list of students who underwent short/long-term internship / Industrial Training at industry.

Duration	Students	Name of organization/ industry of internship
11/02/2017 to 19/02/2017	45	Rajasthan Architectural Study Tour
1/06/2016 to 30/06/2016	47	Different chemical Engg Industries in and aroundKolhapur,Pune,Ratnagiri,Raigad,Mumbai
1/06/2015 to 30/6/15	215	Different mechanical Engg Industries in and around Kolhapur
1/06/2015 to 30/06/2015	48	Different chemical Engg Industries in and around Kolhapur,Pune,Ratnagiri,Raigad,Mumbai
1/06/2014 to 1/7/2014	60	Different Civil Engg Industries in and around Kolhapur

1/06/2014 to	48	Different chemical Engg Industries in and around
30/06/2014	40	Kolhapur,Pune,Ratnagiri,Raigad,Mumbai
21/7/14	74	Different mechanical Engg Industries in and
31/7/14	74	around Kolhapur
01/06/2013 to	60	Different Civil Engg Industries in and around
01/7/2013	60	Kolhapur
05/7/2013 to	11	Different mechanical Engg Industries in and
13/7/2013	11	around Kolhapur

### List of guest lecturers arranged from industry people

Date	Topic of Guest lecture	Invitee/speaker/s
20/09/2016	Soft Skills	Mrs. Sneha Pai
30/07/2016	Preparation and Importance of GATE Examination	Mandar Deshpande Director GATE Forum, Kolhapur
6/08/2016	Piping Engineering & Related Software's	Sunil Powar, Director Envision
23/1/2016	Digital Signal Processing with Code Composer Studio	Mohammad Naseer, Field Application Engineer, Texas Instruments (Edgate Tech.)
12/3/2016	Staad Pro , ETABS Softwares	Mr.Dinesh Nainani, CADSoft Structural Consultant, Pune
31/10/2015	Computational Fluid Dynamics & GATE 2016	Rahul Wadibhasme
16/10/2015	PCB Seminar	Er. Vikas P. Patil Prathamesh Electronics, Shiroli MIDC, Kolhapur
30/9/2015	Career in Embedded Systems In Next 5 Years	Mr. Suryakant Dodmise, Proprietor, Core Technologies, Kolhapur
27/07/2015	Scope of Chemical Engg & opportunities in refinery	Mr. Ravi Satpute, Assistant Manager, Katar Gas, Katar
05/03/2015	Guest lecture on Career Planning	Mr. Sameer V. Alone, CEO, Infinity College of Program Management, Pune
02/02/2015	Awareness of NAAC	Prof. V. B. Jugale
17/03/2015	Importance and Prepration of GATE Examination	Mr.Mandar Deshpande
14/02/2015	Importance of Chemical Engg	Prof. (Dr) Sanjay Mahajani (IIT, Bombay)
7/03/2015	Soft Skills	Dr. Sandip Patil
23/01/2014	Concrete Technology & Personality Development	Mr. Balkrishna Kulkarni, Technical Sales Manager, Ultra Tech Cement Ltd.

	T		
17/9/2014	Intellectual Property Law and Management	Dr. Geetanjali Deshmukh	
10/02/2014	Expectations of Industries from Fresher Chemical Engineers"	Mr. S Y. Patankar, , Excel Industries Ltd. Chiplun	
03/04/2014	Preparation for Campus Interview"	Mr. Aditya Kashid, Gharda Chemicals, Mumbai	
25/03/2014	Need of Constructive Approach while working as fresher Chemical Engineer	Mr. R. R. Gaikwad, Deepak Nitrite	
25/01/2014	Preparation of GATE Examination	Prof. (Dr.) Vijay Babu	
27/08/2013	"Scope of chemical engineering in various field and research and Development activity	Dr. S. S. Bhagwat, Head, ICT, Mumbai	
12/08/2013	Scope of Autocad for Chemical Engineering	Mr. Shantaram Surve, M.D. Surve InfoTech pvt. Ltd., Kolhapur.	
19/08/2013 to 24/08/2013	"Aspen Plus Software"	Dr. S. H. Bhagwat, Head, ICT, Mumbai	
09/02/2013	Scope of Chemical Engineering in Various Field & Expectations off Industries from Fresher's".	Mr. Girish Babar, , Rolta India Ltd., Mumbai	
19/03/2013	Distillation	Dr. Yogesh Mahajani (IIT, Bombay)	
4/01/2013	Scope of Chemical Engineering	Mr. A. Sreenath Sundaram	
25/03/2013 to 30/03/2013	Training program on Aspen Plus Software for Final Year Students.	R. A. Patil & L. V. Malade	
02/04/2012	Current Indian Energy Scenario & its Conservation, under lead college activity	Dr. A. D. Karve, & R. L. Tailor ARTI, Pune	
08/09/2012	Project Activity, Research & Scope of Chemical Engineering"	Dr. V. K. Rathod, T&P Officer, I.C.T., Mumbai)	
21/02/2012	Air & Noise Pollution	Prof. S. S. Mane, KIT's COE, Kolhapur	

## 3.5.2. What is the stated policy of the institute to promote consultancy? How is the available expertise advocated and publicized?

The knowledge and expertise available with the college can be disseminated by sharing it with industry. Consultancy covers a wide

range of activities for clients in various domains. Staff gains valuable experience, as well as possible future benefits including consultancy and research in collaboration. We believe in promoting consultancy services. The policies are framed to ensure the bond between the voluntary consultancy and the core duties of the faculty/students/staff.

## Following are policies framed to promote consultancy and testing assignment to be undertaken:

- → Sharing percentage of income generated among the faculty, staff and college in fixed percentage.
- → College's share is used for development of the department and faculty.
- → Faculty, staff and students are encouraged to attend development programs like workshops; conferences etc. and update them with latest technology knowledge so that consultancy assignment can be taken up.

### Available expertise is advocated and publicized in following manner:

- → Available expertise is asked to organize workshop, seminar etc. as per their area of interest and also to deliver the expert lectures during the Workshop/FDP conference in and around departments and states.
- → Nearby industry is informed about the expertise available with the department/college by inviting the industry people and practitioners through the meetings.
- → Alumni is invited and told about expertise available for the consultancy and formation of MoU.

## 3.5.3. How does the institute encourage the staff to utilize their expertise and available facilities for consultancy services?

The college encourages the faculty of each department to undertake the Testing and Consultancy (T&C). They are allowed to use the facilities and infrastructure in following ways:

- → Human resource work is appreciated at each level.
- → Duty leave is sanctioned for T & C job if it is outside the campus.
- → Departments encourage the faculty/staff to up-grade their knowledge by attending the various workshops, seminars, training programs etc. by giving them a duty leaves and financial assistance.
- → Major T & C works is published in local newspapers and in Annual Reports.
- → Faculty and staffs is appraised by proving incentives, felicitating them in the departmental meetings & annual gathering & other functions

Facilities to undertake T&C works.	Major equipments to undertake the T&C works.		
Well-furnished infrastructure.	HP Plotter DNJ 510C 24 A0 Size Colour		
High configured computers with	Universal Testing machine, 100T capacity		
servers.	Compression Testing machine, 200T		
24x7 high speed Internet.	capacity		
24x7 UPS /generator backup.	Rebar locator for NDT		
Computer laboratories in each	Spectrophotometer		
department	Turbidity meter		
	Gas Chromatography		
	Polari meter		
	MATLAB software		
	Multisim simulation software		
	CRO generator, Private Cloud Set-Up,		
	KEIL s/w for Embedded Systems.		

## 3.5.4. List the broad areas and major consultancy services provided by the institute and the revenue generated during the last fouryears.

Following table shows the broad areas and major consultancy services provided by the college/department and the revenue generated in last four years.

Department	Area of consultancy		
Electronics	Material Inspection, Material Testing, Network Testing on the field, Architectural & Interior Audit of Command & Control Room		
Architecture	Renovation of Project, Landscape, Gardening, beatification of malls etc.		
Civil	Design, third party audit analysis		
Mechanical, Production	Design of Machines and related consultancy		
Chemical	Consultancy in the area of sugar cane industry, paper pulp etc.		
IT, Electronics, Computer	Software Development		

Following table shows the broad areas and major consultancy services provided by the college/department and the revenue generated in last four years:

Sr.	Nature of work	Agency	Year
1.	Landscape design of Kalamba Lake area	DYP	2013-14
2.	Landscape development plan for Mouni	DYPCOETK	2015-16

	Vidyapeeth, Gargoti		
3.	Interior design of Library for Electronic Dept	DYP	2015-16
4.	Landscape of Jayanti Nala Banks (Laxmipuri Area)	DYPCOETK	2015-16
5.	Material Inspection, Material Testing, Network Testing on the field, Architectural & Interior Audit of Command & Control Room	SP office & KMC,Kolhapur	2015-16
6.	Third party inspection for various work carried by KMC time to time	Kolhapur Municipal Corporation	2014-15
7.	Interior work of Reception & waiting room for Principal	DYP	2014-15
8.	Interior of seminar hall on second floor,	DYPCOETK	2013-14
9.	Stage design for Convocation for Deemed University Kolhapur.	DYPCOETK	2013-14
10.	Renovation of Workshop for Production Department	DYPCOETK	2013-14
11.	Addition of computer section in Dept. of Arch	DYP	2013-14
12.	Third party inspection for various work carried by KMC time to time	Kolhapur Municipal Corporation	2013-14
13.	New building for Electronic & Computer DEPT	DYPCOETK	2013-14
14.	Third party inspection for various work carried by KMC time to time	Kolhapur Municipal Corporation	2012-13
15.	Stage design for Felicitation of Hon. Min. Sam Pitroda	DYPCOETK	2012-13

## 3.5.5. What is the policy of the institute in sharing the income generated through consultancy (staff involved: Institute) and its use for institutional development?

Following is the policy of the college in sharing the income generated through consultancy. Management/Principal is so generous that its share of the consultancy has been fully given to the development of department.

Sr.	Particulars	%ge of Share	
		Testing	Consultancy
1)	College	50	40

	Total	100	100
6)	Lab attendant	3	1
5)	Lab assistant	12	5
4)	Concerned Teaching faculty	20	39
3)	HOD	10	10
2)	Principal	5	5

#### 3.6. Extension Activities and Institute Social Responsibility (ISR)

The College is fully aware of its social responsibility which is one of the main stays that support academic and research work, and it is also one of our strategic priorities. We believe that the role of the college is something more than simply imparting of knowledge and skills to the students and to make them active agents of social change. Following are some of the glimpses of the same.

- College is committed in helping the poor and needy students in different ways as a part of social responsibility.
- We aim to address and find solutions to social problems without any charges for them.
- College has initiated number of community development activities for holistic, ethical and social development of pupils.
- College does tree plantation at few places in Kolhapur.
- Hon. Chairman distributes note book to every students from every schools in nearby area.

Following are the few activity noted for the reference.

Sr.	Activity	Date
1	Workshop on Yoga and Pranayama,	28/03/2015
2	Balika Din	03/01/2015
3	Lecture On ATS	05/01/2015
4	One Day Camp at Panhala Pradakshina	17/01/2015
5	Workshop on Manufacturing of paper bags	25/01/2015
6	Road Safety Week	01/02/2015
7	Womens Safety Training	07/03/2015
8	Earth Hour	28/03/2015
9	Forum for Competitive exam/ GATE in Engineering, architecture and science	07/01/2015
10	Police Mitra at Rajampuri	06/08/2014
11	Police Mitra at Mahadwar Raod	08/08/2014
12	Rakshabandhan at CBS	10/08/2014

		I
13	Sound Pollution Awareness	14/09/2014
14	Rangna Fort Cleaning	21/09/2014
15	Gandhi Jayanti	Every year
16	Police Mitra at Dasara Chowk	03/10/2014
17	Infinity	11/03/2013 to 2/03/2013
18	Gadage Baba Punyatithi	Every year 20/12
19	Sardar Patel Jayanti	Every year 31/10
20	Freshers day	Every year
21	Fairwell	Every year
22	Teachers day	Every year
23	Engineers day	Every year
24	NSS camp	Every year
25	Blood donation camps	Every year
26	Independence day celebration and documentary film and Poster presentation on Save girl child, Uttarakhand disaster, Anti-dowry, Blind faith, Land slide at Maalin, Consumer act, Right to information act, Dream of youth by Dr. A P J Abdul Kalam, Changing faces of Culture, Uses of social media, Traditional vs. modern games	Every year

## 3.6.1. How does the institute promote institute-neighborhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

The student community is helped by implementing the different schemes run by the government (Maharashtra and India) for poor and SC-ST-OBC and meritorious students. The major strength of the college is its ability to ensure holistic development of students to make them responsible citizens by imparting moral & ethical values. College has always motivated the students and their social participation to achieve their goal in life. It aims to pursue excellence towards creating students with high degree of intellectual, professional and cultural development to meet the national and global challenges.

'Gymkhana' where the young minds get ignited is well established in the college. It organizes various social and holistic events in departments/college to make them aware about curricular and extracurricular programmes, aiming the following objectives:

• Service to the nation through social activity.

- Arranging guest lecturers of social workers for enhancing social awareness.
- Overall development of youth.
- Competitive exam forum.
- Cultural activities.
- Arranging soft skills lectures to improve the communication, English speaking and etiquettes.

Following are some of the programs arranged.

National Service Scheme (NSS): The overall objective of this scheme is to provide Education and Service to the society and by the society. It helps the students to communicate with the society. The students go to the rural areas and try to develop a Technocratic Environment and help the underprivileged people to develop themselves. Our students arranged program like Water harvesting, cleaning of village and schools, Pulse Polio awareness program, Organizing Expert lectures for villagers.

These activities are arranged every year. Student & faculty are taken part into it.

- i) Computer Awareness Program: Every department has the student association. Under this, students along with faculty members visit a primary school in a village to impart the basic knowledge about computer hardware and software.
- ii) Blood Donation Camp is organized every year by the college and again by individual departments to create social awareness among people of the campus and nearby.
- iii) Old Age Home Visit: Student Association spends time with senior citizens and donates them the daily needs (like bed sheets, pillow covers, pillows, socks, rice and wheat etc.)
- iv) Visit to Orphanage: Student Association organizes visit to Orphanage and donate the groceries, daily needs, and food and study material.
- v) All above activities are listed in table mentioned below.

Sr.	Event/Occasion	Speaker/Trainer	Date
1	International Yoga Day	Prof. S. R. Khot	21/6/2017
2	Lecture on Introduction to Computer	Mrs. Tejaswini H. Patil	20/03/2017
3	Yoga Training (NSS Camp)	Prof. S. R. Khot	23/12/16-28/12/16
4	Lecture on Childrens Day	Dr. K. V. Kulhalli	14/11/2016
5	Lecture on Women empowerment	Dr. K. V. Kulhalli	8/03/2016
6	International Yoga Day	Prof. S. R. Khot	21/6/2016
7	Yoga Training (NSS Camp)	Prof. S. R. Khot	10/1/16-16/1/16
8	Yoga Training for faculty	Prof. S. R. Khot	10/01/2016 to 15/01/2015

9	Pranayama Yoga Shibir	Prof. S. R. Khot	10/01/2015 to 15/01/2015
10	Lecture on Women empowerment	Dr. K. V. Kulhalli	8/03/2014
11	Pranayama Yoga Shibir	Prof. S. R. Khot	08/01/2012 to 12/01/2012
12	Pranayama Yoga Shibir	Prof. S. R. Khot	20/12/2011 to 25/12/2011

# 3.6.2. What is the institute mechanism to track student's involvement in various social moments which activities/promotes citizen role, citizen responsibility and individual contribution to make the society a better place to live.

In addition to academic, curricular and extra-curricular activities, value added courses are arranged for the students to inculcate the social, ethical responsibility. These activities are organized at the college and department level in which students and alumni are invited. Through this meeting & functions, the managerial & personnel communication skill are enhanced. The college mechanism to track student's involvement in various activities is listed below.

- → Numerous events are arranged and coordinated by students; developing their leadership quality.
- → Department student association identify the students those who can work in a team and interested in social program.
- → Periodic and regular meetings are conducted for highlighting the social and ethical values.
- → Faculty advisors and mentors are allotted to track the student involvement in various social activities.
- → Faculty advisors are responsible to give the required permission to students for participating in such activities and continuously monitor their progress in such extension activities.

## 3.6.3. How does the institute solicit stakeholder perception on the overall performance and quality of the institute?

College is particular in maintaining the vertical growth by conducting the periodic meetings of the stakeholders (includes students, parents, staff, alumni). College has systematic strategies to measure quality of performance as well as the quality outcomes. These strategies are constructed for better understanding of the roles of the stakeholders in the educational arena. The activities based on proposed strategies had been carried out to have desired and expected impact.

#### **Strategies:**

• To gather the stakeholder's perception for modifying the educational system to fit our environment and learning needs.

• To ask and discuss the issues for the betterment of present and future growth of college.

#### **Activities:**

- Suggestion boxes are kept at important at places in the college. A committee resolves the complaints/suggestions received by the stakeholder.
- Frequent arrangement of Guardian/Parent meet
- A registered Alumni association of the college has been established which helps in extending its activities like delivering lectures on placement opportunities and provide financial support to meritorious poor students.
- Involving Alumni association in policy making.
- The goals and objectives of college are prominently displayed at the important places & in the information Bulletin given to the students at the time of admission. The College web site provides adequate space for these goals. They are also displayed in all the important places of the college, like library and other major buildings of the college. Immediately after admission the students are made aware of these goals and objectives.
- The management has an analysis tool to evaluate the stakeholder's opinion, suggestions and objection for constructive developments of the college.
- 3.6.4 How does the institute plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

The extension and outreach programmes planned and organize are listed below. Budgetary details for last four years are listed. The impact on the overall development of students of this extension programme is also shown.

Name of Activity	Organizing Committee	Targeted Audience	Purpose	Budgeted amount
Computer Awareness Program	Student Association members	Primary School Students of rural area.	Fundamentals of computer to the students of primary school	5000
Old Age Home Visit	FOCUS: Student Association members	Senior citizens residing in Old Age	Spending time with senior citizens and to donate	14,500

H	Home thing	gs of their	
	dail	y need	

- 3.6.5. How does the institute promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/International agencies?
  - → The College undertakes widespread curricular activities through NSS, Students Associations and other forms of community development activities.
  - → During admission and orientation, the representatives of these units apprise students on the benefits and scope of the extension activities.
  - → Details of the programs are displayed on the notice board and interaction of students is organized with NSS officer, General Students Association, and Coordinator of the Cultural events.
  - → The department conducts regular extension activities and services so that, education and research benefits the society at large.
  - → Most of the extension activities are organized by the students association at the department.
  - → Faculty is frequently called upon to deliver technical and non-technical lectures in various colleges and organizations, both within and outside the city.
  - → Some of the activities in this connection include health awareness programs, cultural festivals; inter department, and inter-college sports, literacy programs, social activities etc.
  - → College arranges NSS camp in collaboration with Shivaji University. University regularly funds the activity by providing an amount of Rs. 450/- per candidate per year for last 3 years. So far amount of Rs. 1,80,000/- is received for National awareness.
  - → College promotes to organize an Election Awareness Program, river Panchganga Cleaning, Residential winter camp (Village development and polio awareness by volunteers).
  - → Students are encouraged for Street Play ("Education for everyone").
- 3.6.6. Give details on social surveys, research or extension work (if any) undertaken by the institute to ensure social justice and empower students from under-privileged and vulnerable sections of society?

  Nil
- 3.6.7. Reflecting on objectives and expected outcomes of the extension activities organized by the institute, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

**Objectives extension activities:** 

Every extension activity is organized with the aim of inculcating human values & making student a responsible citizen of the society.

#### **Expected Outcomes of extension activities:**

- Working in a team and with different team members.
- To adapt various situation in professional and personal life.
- Management skills
- Leadership qualities
- Social awareness
- Personality development.
- 3.6.8. How does the institute ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institute that encourage community participation in its activities?

College organizes various community development activities like trainings to school students, interaction with villagers through NSS camp College provides various training to communities free of cost to encourage them for participation of such activities.

3.6.9. Give details on the constructive relationships forged (if any) with other institutes of the locality for working on various outreach and extension activities.

College developed relationship with Chetana Matimand School by donating notebooks, some instruments to them and by training the students.

- 3.6.10. Give details of awards received by the institute for extension activities and/contributions to the social/community development during the last four years.
  - i)Best NSS Coordinator-2015-16-:Prof.P.D.Chougule
  - ii)Best NSS Unit-2015-16

#### 3.7. Collaboration

3.7.1 How does the institute collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

Sr.	Name of ResearchLaboratory/institute/ Industry interacted	Activities conducted	Benefits incurred
1	NCL, Pune	Project	Project Facilities
2	Gharda Chemicals Ltd., Chiplun	Project	Project Facilities

3	Excel Industries Ltd., Chiplun	Project	Project Facilities, training, Visit, Placements
4	RCF, Mumbai	Project Training	Project Facilities, training, Visit
5	Deepak Nova Chemical Technology Ltd., Chiplun	Project	Project Facilities
6	Mayura Steel Pvt. Ltd., Kolhapur	Project	Project Facilities
7	Indian Biodiesel Corporation, Baramati, Pune	Project	Project Facilities
8	HEMRL Pune	Project	Project Facilities
9	IBM Centre of Excellence	Project / Training	Project Development
10	Zensar, Pune	Project / Training	Placements
11	Pearson Education	Training	Placements
12	Purple-leap	Training	Placements
13	A- Plus Education Solutions Pvt.Ltd.	Industry Training	Project Facilities

# 3.7.2. Provide details on the MoUs/Collaborative arrangements (if any) with institutes of national importance/other universities. / industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institute.

Following are MoUs between the college and various industries for technology transfer, industrial training and undertaking projects.

Sr.	Department	MoUwith	Contents of MoU
1	Electronics	Prolific Systems and Technologies Ltd,Pune	Training per student for 55 Students for duration of 40 hrs. for Industrial Automation- SCADA and PLC
2	Electronics	Texas Instruments,Bengalore	Provided innovation lab with 6 analog pro kits for research activities
3	Architecture	Genesis data comp. pvt. Ltd.	Training per student for 80 Students for duration of 50 hrs. for Autodesk Revit 2013 Certification

			Training per student for 80
4	Architecture	Genesis data comp. pvt. Ltd.	Students for duration of 50 hrs. for Autodesk Revit 2014
			Certification
		Canada data assum	Training per student for 80
5	Architecture	Genesis data comp. pvt. Ltd.	Students for duration of 50 hrs. for Autodesk Revit 2015
		p · · · 2 · · ·	Certification
			CIIGBC student's chapter for
		CIIGBC	the year 2015-16- activities
6	Architecture	(Confederation of	include
		Indian Industry)	1.awareness programs for
			student
			Exchange of books,
7	Cham Enga	RCF Ltd. Mumbai	technology, projects,
'	Chem Engg	KCI Liu. Willioai	Training, Visit, Seminar,
			Workshop, Placements etc.
		Alpha Blue Chem.	Exchange of books,
8	Chem Engg	Pvt. ltd.	technology, projects,
0	Chem Engg	MIDC Lote, Ratnagiri	Training, Visit, Seminar,
		ltd	Workshop, Placements etc.
		Sona Chemical	Exchange of books,
9	Chem Engg	Industries	technology, projects,
	Chem Lingg	Uchagaon, Kolhapur	Training, Visit, Seminar,
		Cenagaon, Romapai	Workshop, Placements etc.
		Pentokey Organy (I)	Exchange of books,
10	Chem Engg	Ltd.	technology, projects,
	Chem Engg	MIDC Lote, Ratnagiri	Training, Visit, Seminar,
			Workshop, Placements etc.
		Mayura Steels Pvt.	Exchange of books,
11	Chem Engg	Ltd.	technology, projects,
**	Ziidiii Ziigg	MIDC Shiroli,	Training, Visit, Seminar,
		Kolhapur	Workshop, Placements etc.
		B.J. Corporation Pvt.	Exchange of books,
12	Chem Engg	Ltd.	technology, projects,
	Ziidiii Ziigg	MIDC Gokul	Training, Visit, Seminar,
		Shirgaon, Kolhapur	Workshop, Placements etc.
		Sumeru Esters,	Exchange of books,
13	Chem Engg	Ichalkaranji	technology, projects,
		MIDC, Kolhapur	Training, Visit, Seminar,
			Workshop, Placements etc.
14	Comp Engg	Infosys Ltd.	Campus connect program
15	Comp Engg	IBM India Private	Faculty and student training in
10		Ltd.	latest technology

16	Comp Engg	Infosys Ltd.	Campus connect program
17	I.T., CSE, Electronics	A- Plus Education Solutions Pvt. Ltd.	Industry specific training on JAVA, Embedded systems etc.
18	I.T.	Purple-leap	E learning & MCQ test for assesment of subject
19	Mechanical	Avison Industries, Kolhapur	Mechanical engineering education, production, manufacturing process, sharing of books, technology transfer and to participate in seminars, workshop, etc.
20	Mechanical	Anucool Engineering, Kolhapur	Mechanical engineering education, refrigeration and air conditioning, sharing of books, technology transfer and to participate in seminars, workshop, etc.
21	Mechanical	D.S. Dudhane, Group of Industries, Kolhapur	Mechanical engineering education, production, manufacturing process, sharing of books, technology transfer and to participate in seminars, workshop, etc.
22	Mechanical	Wilo Mather and Platt Pumps Ltd., Kolhapur	Mechanical engineering education, assembly of pumps, manufacturing process of impeller, sharing of books, technology transfer, etc.
23	Mechanical	Engenius Industries, Kolhapur	Mechanical engineering education, production, manufacturing process, sharing of books, technology transfer and to participate in seminars, workshop, etc.
24	Civil	CADD Centre,Kolhapur	Training S.E., T.E. and B.E. Students for Civil Engg. Softwares.

3.7.3. Give details (if any) on the industry-institute-community interactions that have contributed to the establishment/creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institute viz. laboratories/library/new technology/placement services etc.

The college has remote Centre of IIT-B. Under this Centre, from IIT

Mumbai & IIT, Kharagpur numbers of programmes are conducted for students and faculty. College is also a member of Akash education project.

Sr.	Department	NameofIndustry	Activitiesconducted	Date
		/ College		15 5 001 5
1	Mechanical	TATA Tech.Ltd	Training Prograamme	15 /7/2016
	1,100114111041	111111111111111111111111111111111111111	Truming Trogramme	to till date
	Civil	Ministry of HRD	IIT Workshop Under	30/11/2015
2	CIVII	through IIT	NMICTE : Structural	to
		Kharagpur	Engg.	9/01/2016
2	C .	IDM I I' (1/1	IBM Tivoli	07/03/2012
3	Computer	IBM India pvt ltd	Certification Exam	
	Civil	Ministry of HRD	IIT Workshop Under	25/11/13
4	CIVII	through IIT	NMICTE:	to
		Bombay	Engg.Mechanics	05/12/13
			IBM RAD	26/03/2012
5	Computer	IBM India pvt ltd		to
		•	certification	29/03/2012
6	Computer	IDM India nut ltd	IBM DB-II training	4/06/2011
6	Computer	IBM India pvt ltd	programme.	to 08/2011
				11/03/2011
7	Computer	Computer   IBM India pvt ltd	RFT	to
				13/03/2011

# 3.7.4. Highlighting the names of eminent scientists/participants who contributed to the events. Provide details of national and international conferences organized by the institute during the last four years.

Sr.	Year	Nature of event	Name of Resource Person/ Eminent scientists/ Participants	Date/ Duration
		MoU, Indo- German DAAD	Dr. Christoph Senft	8/02/2017
1	1 2016 17	MoU, Niagara college, Wellano, Canada	Mr. Sean Coote, Director International Development, Mr. Siddarth Soni(CAPM Interdivisional)	1/03/2017
1	2016-17	MoU, Bosch- German	Mr. Nitin Sapre, Mr.Ravi Shah,BOSCH group	6/03/2017
		MoU, Pariksha.Co	Mr. Rahul Ranjan	14/03/2017
		i NCETETA - 2017	Auther Achyut Godbole	11/03/17

2 2015-16		NCETETA - 2016	Dr. More (BCUD Director,	30/01/2016	
	2013-10	2016	SUK)	30/01/2010	
3	2014 15	2014-15	NCETETA - Prof. Pratapsinh Desai	Prof. Pratapsinh Desai	24 /01/2015
		1/1117	15 Chairman, ISTE, New Delhi	24 /01/2015	
4 2012 14		NCETETA - 2014	Prof. Dr. N. J. Pawar, V.C.,	25/01/2014	
4 201	2013-14	2014	Shivaji University, Kolhapur	23/01/2014	
5	2012 12	NCETETA - 2013	Prof. Dr. Raju Mankar V.C.,	29/01/2013	
3 2	2012-13	2013	BATU, Lonere	29/01/2013	
6	2011-12	NCETETA -	Prof. Dr. G. D. Yadav, V.	28/01/2012 to	
U	2011-12	2012	C., ICT, Mumbai	29/01/2012	

# 3.7.5. How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated -

#### a) Curriculum Development /Enrichment

Interaction with the industry and other university experts is maintained by the college to understand their needs and the shortfalls they identify in present curriculum. Meetings with different organizations representatives were conducted for getting inputs for revision of the curriculum.

#### b) Internship/ On-the-job training:

A rapport is developed with industries and organizations to ensure inplant training and internship opportunities to the students.

#### c) Faculty exchange and professional development:

Faculty from the college are invited for expert lectures and training in various academic and industrial institutions.

#### d) Research and Consultancy:

College is involved in the consultancy work and provide consultancy to Kolhapur Municipal Corporation, various nearby industries.

## 3.7.6. Detail on the systemic efforts of the institute in planning, establishing and implementing the initiatives of the linkages / collaborations.

While forming the MoU, it has following strategies.

- To develop relationship between college and industry for collaborative work
- To develop relationship between industry for industrial training
- Sharing the expertise with industry
- To enhance consultancy work.
- To identify the needs of the students. Based on that, recognize the industry/industries to make the agreement with them for carrying out the necessary technical activities.

- Strategy for collaboration with industry /organization in terms of research.
- Maximize collaborative work.
- Collaborative research proposals.
- Live industrial problems as research problem.
- Sponsored student's projects.

Academic Year	Dept	Name of Sponsored Project	Sponsoring Authority	
2016-17	Chemical	Physical Modeling Studies of Gas volution and as Bubble ehavior in dvanced Electrochemical Reactor	Gharada chemicals Ltd. MIDC Chiplun	
2016-17	IT	SAVYKart: Peer To Peer College Marketplace For Students	D.Y.Patil College of Engineering,Kasaba Bavada,Kolhapur	
2016-17	Chemical	Production of Bioethanol from molasses	Satyam petrochemicals, Umbraj Dist- Satara.	
2016-17	Chemical	Separation of n-hexane and ethyl acetate	Excel Industries Ltd.	
2015-16	IT	Safai Mitra:A Digital Friend for clean city	D.Y.Patil College of Engineering,Kasaba Bavada,Kolhapur	
2015-16	Chemical	Recovery of cyclohexane from azeotropic mixture of cyclohexane, methanol and water.	Excel Industries Ltd. MIDC Chiplun.	
2015-16	Computer Science Engg.	Galaxy Technologies	Industry accident reporting system	
2015-16	IT	Safai Mitra: A Digital Friend for clean city	D.Y.Patil College of Engineering,Kasaba Bavada,Kolhapur	
2015-16	IT	Functional frame and fitness Gym management	Functional frame and fitness	

	I		37 1 . 37 1 .	
2015-16	IT	An approach for automization of Sugar factory	Yashavantarao Mohite Krishna Sahakari Sakhar Karkhana Ltd.,Rethare Bk.	
2015-16	IT	E-employment for bank	ITM group of Organiztion	
2015-16	IT	Quick- Doc	Aster Adhar Hospital	
2014-15	Mechanical	Design and manufacturing of self- centering hydraulic jaw for train valve guide	Samarth Engineering Technologies, Kolhapur	
2014-15	Computer Science Engg.	Offshoot Technologies	Employment	
2014-15	Chemical	Study of Fluidised bed charactertics, Ash separation, Gasification and simulation	Gharda Chemicals Ltd. MIDC Lote Parshuram.	
2013-14	Chemical	Increase the concentration of spent methane sulphonic acid by using unit operation	Excel Industries Limited, MIDC Lote Parshuram	
2013-14	Chemical	Heat load calculations and Adequacy checking of cooling towers.	Privi Organics Ltd. MIDC Mahad.	
2013-14	Mechanical	Design and analysis of Hydraulic clamping system	Mayuresh engineering works, MIDC Shiroli Kolhapur	
2013-14	Mechanical	Motorized pipe bending machine	Pushparaj Engineers MIDC Gokul Shirgoan, Kolhapur	
2013-14		Auto indexer table with proximity sensor	Process equipments, MIDC, Karad	
2013-14	Mechanical	Design and manufacturing of core crusher	Sriram foundry Ltd., Shivaji park, Kolhapur	

- Planned and established linkages/collaborations related to academic and research activities for students and faculty members in various specializations.
- MOU arrangements with various establishments
- Inviting Expertise from various divisions from other industries for delivering Guest Lectures, key note address in Conferences, invited speaker in workshops and symposiums.

<ul> <li>Conducting joint technical programs and events with other organizations.</li> <li>Industrial visits have been organized with the help of various collaborating agencies.</li> <li>Establishing Industry College Interaction cell in the department.</li> </ul>

#### **CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES**

#### 4.1. Physical Facilities

## 4.1.1. What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

The college is one of the premier colleges to commence Engineering and Architecture education in the Shivaji University urban area of the Kolhapur district. It is established in 1984. The college firmly believes in providing suitable infrastructure and teaching aids for imparting technical knowledge to the teachers and the learners. The college strictly adheres to the policies and regulation setup by both AICTE, CoA and University norms to provide infrastructure, to facilitate effective teaching and learning. The college policy is to provide the state of the art infrastructure based on the four major categories as follow:

- i) Teaching learning infrastructure.
- ii) Laboratory space and equipments.
- iii) Recreational facility.
- iv) Administrative space for office and other administrative purpose. The college proactively takes part in enhancing the infrastructure in view of healthy, comfort and technology based environment necessary for teaching and learning. The college reviews the entire infrastructure in view of change in syllabus by the university or any other additional courses that may be started.

#### 4.1.2 Detail the facilities available for

a) Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, garden, specialized facilities and equipment for teaching, learning and research etc.

The college optimally provides and utilizes the infrastructure for teaching and learning.

#### **→** Classrooms:

The college has sufficient number of classrooms which are well ventilated equipped with fans, lights, comfortable seating and writing benches, blackboard and provision of LCD projector.

#### **→** Architectural Design Studios:

The Architecture Department has sufficient number of Architectural Design Studios which are well planned, equipped with A.C., fans, lights, comfortable seating, drawing tables, display boards, black boards, storage for student's stationary material, provision of LCD projector.

#### **→** Technology enabled learning spaces:

Each department in the college is provided with LCD projectors and Over Head Projectors.

#### **→** Seminar hall:

The college has well furnished and fully air conditioned seminar hall with a seating capacity of 125 students and is equipped with LCD projector and screen and public addressing facility.

#### **→** Tutorial spaces:

Each department has tutorial room to conduct tutorial to address the personal level doubts and queries of the students. Tutorial rooms are well equipped with fans, lights, comfortable seating and writing benches and blackboard.

#### **→** Laboratories:

Well equipped laboratories having the general and special equipments which are continuously enhanced and maintained.

#### **→** Garden:

Small garden is available in campus.

#### **→** Specialized facilities:

The college has:

- Well equipped language laboratory attached with audio, video facility.
- A part from the central library each department is having separate department library with reference and text books.
- Common computer center furnishes 70 computers providing Internet facility with the speed of 1 Gbps.
- Wi-Fi facility for all students and faculty members.
- Lift facility for faculty as well as students.

#### **→** Equipment for teaching, learning and research:

- The major equipments available with the departments are used for students' laboratory works as well as for research.
- Each department has Computers, LCD projectors and printers.
- College has developed special research laboratories like Mechatronics lab.
- Physics department has a DST funded research laboratory.
- → Area wise details of Class room, Laboratory etc. are as follow:

Sr.	Facilities	Quantity	Area(sqmtr)
1	Class Room	35	2705.28
2	Laboratories	94	5866.19
3	Tutorial Room	17	570.48
4	Workshops	03	581.84

5	Computer Center	01	167.36
6	Seminar Hall	01	113.8
7	Library	01	720.70
8	Drawing Hall	01	182.36
9.	Placement Cell	01	32.02
10.	Language Lab	01	70
11.	Girls Common Room	04	156.70
12.	Boys Common Room	03	42.5
13.	Cafeteria	01	168.19

b) Extra – curricular activities in terms of sports, outdoor & indoor games, NSS activities, cultural activities, public speaking, communication skills development, health and hygiene etc.

#### **→** Sports, outdoor & indoor games:

- The college encourages students to participate in various sports and games at different level like university level, state level etc.
- Sports competitions are conducted at college level every year.
- The college provides Sports Kit and Sport Material for students who participate in College level, Inter-State/National Level, Lead College, Zonal, Inter-zonal, West Zone, All India Inter University Tournament and many other different types of game and sports.
- Qualified Physical Director has been appointed to look after the day to day games and sports activities of the college.
- College makes use of Dr. D. Y. Patil Prathistan's ground whenever required to conduct various sports events.
- The outdoor games such as cricket, football, basket ball and hand ball etc. are available.
- The space is available for playing caroms, chess etc.
- College has student council which organizes the activities like sports, skit, drama, dance, sports etc.

#### → NSS activities:

Every year NSS cell of college organizes camps where 100 to 150 students participate. It organizes activities like blood donation camp, social awareness camps, gram swachhata abhiyan camps, visits to NGOs, ladies awareness programs, annual camps and one act plays etc.

#### **→** Cultural activities:

- Students are encouraged to participate and organize various cultural activities in the college like Teachers day, Engineers day, Fresher's, Farewell, Savitribai Phule Jayanti etc.
- Every year college organizes annual social gathering 'Arpan' where students are actively participated and exhibit their skills.
- Every year before gathering students celebrate different days like no vehicle day, traditional day, twin's day, rose day etc.
- The Architecture Department encourages students to participate in National Association of Students of Architecture (NASA) and other design competitions which are held at Zonal, National and International level.

#### **→** Communication skills development:

- T & P cell of college organizes training for TE students to improve their aptitude, communication skills and interview techniques every year. Also it organizes Lead College "GD CONTEST" since last four years.
- As per the university syllabus, the students of SE CSE and TE CSE have Soft Skills and Business English as subject in their curriculum.

#### **→** Health and hygiene:

- College building is being maintained ensuring maximum levels of safety and hygiene.
- Departments have water purifiers, First-aid box, cleaning, dusting and wiping on regular bases.
- Separate housekeeping agency appointed exclusively to take care of safety and hygiene.
- Health awareness programs are conducted at college level as well as department level.
- Yoga day is celebrated in the college as per guidelines of Government of India.

The college encourages departments to organize different events at department level. The college invites the well known personalities in the related areas.

4.1.3. How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any).

#### **Planning and Ensuring of Infrastructure:**

The college has been established in 1984 and the infrastructure for existing courses is available as per the guidelines of AICTE, University & State Government. Since from the beginning, the college has been keeping pace with the changing needs and requirements to meet its academic growth. To fulfil the needs and requirements, additional infrastructure is being added from time to time. To facilitate effective teaching and learning, the college is creating and enhancing the infrastructural facilities, in proportion to the student strength per year and addition of new programmers.

All the departments are fully equipped with the necessary infrastructure to meet requirements. The infrastructure includes Classrooms, Tutorial Rooms, Seminar Halls, Laboratories and sufficient space for conducting all curricular and co-curricular activities.

Various Committees from regulatory bodies periodically visit the College and certify the infrastructure adequacy and suggest expansion plans to meet the academic requirements if needed.

Keeping in view of additional new programmers and additional intake proposals for space requirements for infrastructure are demanded from concern HODs by the Principal. The Principal after discussion with Building Committee put forwards the proposal to management for final approval. The Management after going through the proposal appoints an Architect and Contractor for construction. The progress of the work is reviewed periodically by the management, Principal and Building committee. In house Civil Engineering faculties are involved for advice and meaningful inputs.

In the Year 2011-12, for the additional intake another new building is constructed for Department of Computer Science & Engineering and Electronics Engineering. The details of the facilities which have been added are like Classrooms, Tutorial Rooms, Seminar Halls, and Laboratories Staff Cabins & Toilet Blocks.

Details of facilities which have been added and proposed are as under:

Sr.	Infrastructure Facilities	Expenses in Rs.	
No.	Addition	2013-14	2014-15
1	Renovation of Old building	25 Lacs	25 Lacs
2	Construction of New College Building (basements + L.GF.+ G.F. + 5 ) Area = (2 x 600) + (6x625) = 4950 sq.m.	250 Lacs	350 Lacs

### 4.1.4. How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

- → The college follows the guidelines laid by AICTE, CoA and University with respect to physically challenged students.
- → As of now, we don't have physically disabled students studying in our college.
- → College provides elevator facility for physically disabled students.
- → College has the policy that the class rooms and examination halls for physically disabled students are to be provided on the ground floors. Chairs to such students can be provided whenever required.

### 4.1.5 Give details on the residential facility and various provisions available within them:

As college is located in heart of the city. Maximum students are localite (from kolhapur district only). Hence hostel facility is not an important issue. The college management has built a new building in the riginally hostel allocated space. However the college has a tie-up with privatehostels to accommodate such students if they wish.

## 4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

- → First-aid facility is available in each department.
- → Students and staff are provided with free medical checkups, examination and treatment in D. Y. Patil hospital.
- → College organizes Health awareness programs like Blood donation camp, AIDS awareness program regularly.
- → Insurance facility is provided for both students and staff members.

# 4.1.7 Give details of the common facilities available on the campus – spaces for special unit like IQAC, Grievance Redressal Unit, Women's Cell, Counseling and Career Guidance, placement unit, Health Centre, Canteen, recreational of staff and student, safe drinking water, auditorium, etc.

#### **→** IQAC:

Internal Quality Assurance Cell functional in the college constitutes Chair person, members from each department and Coordinator of the cell.

#### **Objectives -**

- i) To ensure continuous improvement in the entire operation of the institution.
- ii) To assure stakeholders connected with higher education namely students, parents, teachers, staff, funding agencies and society in general of the accountability of the college for its own quality education.

#### **→** Grievance Redressal Unit:

Grievance Redressal committee is headed by the Principal as chairman along with staff as members. All students and employees are encouraged to raise their grievance without fear of reprimand as we strongly believe such expressions gives us an opportunity to better our process and make it more strong student centric and staff friendly. The head of the college and the head of the departments are all easily accessible at office hours and otherwise to ensure speedy redressal of grievance.

#### Objectives-

The committee once gets the complaint from the students for ragging, misbehavior and other indiscipline activities, the committee will collect the information and appoint the enquiry by the members and submit the report to the principal for necessary action.

#### → Women's Cell:

Sexual harassment prevention committee has been constituted in the campus to deal with the Women's problem.

#### **Objectives** -

- i) To provide a safe environment for girl students and women employees.
- ii) To empower the women.
- iii) To provide 24 hours helpline.
- iv) To organize various programs on gender sensitization.

#### **→** Counseling and Career Guidance:

Each department takes care of Counseling and Career Guidance to students. Guardian faculty members are appointed for groups of 15 to 20 students each. The Guardian faculty members counsel the students frequently and contact the parents of the students if necessary.

#### Objectives-

- i) To provide counseling to the students facing academic problems.
- ii) To create self motivation among students.
- iii) To identify the week students and frequently interact to create interest in academics.

#### **→** Placement unit:

The college has Training and Placement unit headed by a Training and Placement officer with one staff from each department as members. The functions of Training and Placement unit are as follow-

- i) To organize training for 3<sup>rd</sup> year students.
- ii) To prepare students to face campus interviews by arranging training in Aptitude tests, group discussions, preparing for Technical and HR interviews through professional trainers.
- iii) To promote career counseling by organizing guidance lectures by senior corporate personnel.
- iv) Latest happenings in the industry through Industrial Visit, Seminars, Guest Lectures & Conferences.
- v) Providing requisite training to students in the area of Personality Development and Communication Skills.

#### Objectives-

- i) Majority of eligible students to be placed in well known companies.
- ii) Coaching the students towards employability skills.

#### **→** Health Centre:

Students and staff are provided with free medical checkups, examination and treatment in D. Y. Patil hospital, Kadamwadi, Kolhapur.

#### **→** Canteen:

Hygienically maintained canteen facility is available in the campus for both students and staff.

#### **→** Recreational of staff and student:

Indoor games are available for students. In the hostels, recreation room is provided with audio and video facility.

#### **→** Safe drinking water:

Pure water is continuously supplied to all academic blocks, canteen and hostels for 24x7 hours.

#### **→** Auditorium:

The college had auditorium of 519.12 sq. m. which accommodated about 500 students. New construction of Auditorium and Library is in process.

Sr.	Description	Area	Location
		(Sq.m.)	(Block No)
1.	IQAC (Internal Quality Assurance Cell)	60	CSE dept.
2.	Grievance Redressal Unit	30	-

3.	Women's Cell	15	IT dept.	
4.	Counseling and Career Guidance	32.02	108A, B	
5.	Placement unit	32.02	108A, B	
6.	Health Centre	Dr. D. Y. Patil Hospital		
7.	Canteen	168.19	033	
8.	Recreational of staff and student	397.87	301,302	
9.	Safe drinking water	Every Floor		
10.	Auditorium	519.12 sqmtr, likely to be renovated		

#### 4.2 Library as a Learning Resource

4.2.1. Does the library have an Advisory Committee? Specify the composition of such committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

The central library has an advisory committee comprises of Chairman, Secretary and members from all departments, the duties of which includes-

- i) Planning and executing the requisite procedures for the functioning of the library. It includes the process of identifying, planning and procurement of the text books, reference books and journals etc as per the recommendations of the departments. It ensures the up gradation of the library to match with the changing syllabus and additional intake if any.
- ii) The committee estimates the funds to procure books, journals etc.
- iii) Monitor the allocated funds to library.

#### → Significant Initiatives taken to make library student/ user friendly:

- i) Minimum two meeting are arranged in each year. (One in a semester.)
- ii) Committee recommends books and journals required by students and staff for purchase to the librarian.
- iii) Comfortable reading/ study room.
- iv) Wi-Fi facility is available.
- v) Online journals are made available.

#### vi) Advisory Committee:

Sr.	Designation	Status
i)	Principal	Chairman
ii)	Librarian	Member Secretary
iii)	Department Library Coordinators (Faculty from each Department)	Members

#### 4.2.2. Provide details of the following:

1.	Total Areas of the Library (in SqMts)	720.70
2.	Total seating capacity	150
3.	Computer	15

#### **→** Working hours

Sr.	Description	Day	Timing
1	On working Days	Monday to Friday	9.00 to 4.30
1	On working Days	Saturday	9.00 to 1.30
2	On holidays	-	9.00 to 4.30
3	Before Examination	Monday to Friday	9.00 to 4.30
3	Defore Examination	Saturday	9.00 to 1.30
4	During Evamination	Monday to Friday	9.00 to 4.30
4	During Examination	Saturday	9.00 to 1.30
5	During Vacation	Monday to Friday	9.00 to 4.30
3		Saturday	9.00 to 1.30

- → Library repositories, e-Journals and e-Books can be accessed on Internet/intranet.
- → Display boards indicating various sections are provided at prominent points.
- → OPAC is used to access the library database.
- → All books are bar coded.
- → Project reports are kept in all departments for reference.

# 4.2.3 How does the library ensure purchase and use of current titles, Print and e-journals and other reading materials? Specify the Amount spent on procuring new books, journals and e-resources during the last four years.

The central library takes requirements of books, journals and other reading materials from all departments in the starting of every academic year and augments the facilities as required. The Librarian will consolidate the requirements and list will be sending for approval from the committee and Principal. For ordering the books the management will call the quotation from different vendors, negotiate and places the order to the vendors. After placing the orders the vendors supply the books to the library and the librarian as per the

norms will recommend for the payment to the management to clear the bill

The amount spent on augmenting various library holdings in last four years are as follow:

Library	2013-14		201	2014-15		2015-16		2016-17	
Holdings	Qty.	Total	Qty.	Total	Qty.	Total	Qty.	Total	
		Cost		Cost		Cost		Cost	
Text books	2965	1097178	1240	480100	1678	283682	2077	650091	
Reference	167	374696	20	8612	102	45569	221	121399	
books									
Journals/	81	232011	104	320000	104	320500	104	320500	
Periodicals									
e-Resources	8	1358833	1	639560	1	725562	2	866705	
Any other	-	-	-	-	1	382573	51	805525	
Furniture									
Newspapers	2	3100	2	3100	2	3100	2	3100	

## 4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

#### • OPAC (Online Public Access Catalogue):

Web OPAC (Online Public Access Catalogue) facility is made available in the library.

#### • E-Resource Management package for e-journals:

Library is subscribing e-resource packages of different e-journal for various departments. These e-resources are accessible from anywhere in the College campus and link to all such e-resources is available on library webpage.

### • Federated searching tools to search articles in multiple databases: Nil

#### • Library website:

Details of library Webpage is given on college Website. It provides direct link to Web OPAC and subscribed e-resources and open access journals and eBooks. It also provides information about library facilities, rules/regulations etc.

#### • In-house/remote access to e-publications:

Central Library is having 15 nodes with Internet connectivity for access to e-publications.

#### • Library Automation:

Library automation work is in progress. The issue and return of books will be provided with the Library Management Software and the Web OPAC is available for the users.

#### • Total number of computers for public access:

Central Library is having 15 nodes with internet connectivity for access to e-publications. Apart from this one separate node is made available to search OPAC.

#### • Total numbers of printers for public access

There are 2 numbers of printers available in the library for printing

#### • Internet band width speed

The internet bandwidth of 1 Gbps is available.

#### • Institutional Repository

- Article Repository: Published research paper/article of the faculty members.
- Book Repository: Published books of the faculty members.
- Thesis Repository: Nil

## • Content management system for e-learning Participation in Resource sharing works/consortia (like Inflibnet)

Library has subscribed IEEE e-journal.

#### 4.2.5 Provide details on the following terms:

- Average number of walk-ins : 150
- Average number of books issued/returned : 150
- Ratio of library books to students enrolled : 14:1
- Average number of books added during last three years: 2057
- Average number of login to OPAC : Not Applicable
- Average number of login to e-resources (per month) : 871
- Average number of e-resources downloaded/printed (p.m): 871
- Number of information literacy trainings organized:Not Applicable
- Details of "weeding out" of books and other materials : 322

#### 4.2.6. Give details of the specialized services provided by the library

• Manuscripts : No

• **Reference** : Yes

Library maintained good number of reference books for UG and PG

#### • **Reprography**: Yes

Reprography facility is available in the library for the benefit of users.

#### • Inter Library Loan Service : Yes

As library is having institutional membership of IIT Bombay and Shivaji University, Kolhapur. The user benefit from library services of these libraries.

#### • Information deployment and Notification : Yes

The information of library collection is available through web OPAC. The department wise collection can be searched remotely through web OPAC. The library notices/circulars are displayed. Arrivals of new books are displayed on a separate display board to motivate students and staff to read them.

#### • **Download**: Yes

Download facilities provided to download E-journals subscribed by library, e-books and learning materials.

#### • **Printing**: Yes

Two printers are available in library to take printout.

#### • Reading list/Bibliography completion: Yes

Library has maintained digital catalogue (OPAC) which provides all details about the books.

#### • In-house/remote access to e-resources: Yes

The library is having 15 nodes with internet connectivity for access to e-publication. As the access facility to e-journal is multiuse, the students can access it through IP authentication inside the campus.

#### • User Orientation and awareness: Yes,

User Orientation and awareness programs are conducted twice a year for newly joined students.

#### • Assistance in searching Databases : Yes

The library staff assists the users in searching the desired information available with various accesses.

• Inflibnet IUC facilities : No

## 4.2.7 Enumerate on the support provided by the library staff to the students and teachers of the college. :

- Library staff accessible to help students and teachers in finding the
- Library staff provides the list of catalogues of various publishers to teaching staff so that serious studies could be carried out in the library.
- Providing hardcopy of previous year question paper and syllabus.
- Providing list of new arrived books and e-journals.
- Assistance in browsing and searching the e-resources.

## 4.2.8 What are the special facilities offered by the library to the visually/physically challenged person? Give details:

• As per university norms the required facilities will be provided to visually/physically challenged person. So far such students have not taken admission.

- Library staff helps visually/physically challenged person for the book issue and other procedure.
- 4.2.9. Does the library get the feedback from its users? If yes how is it analyzed and used for improving the library services (What strategies are deployed by the Library to collect feedback from users? How is the feedback analyzed and used for further improvement of the library services?)

Yes, the Library collects feedback from all students on a yearly basis. The feedback is analyzed and shared with the Library Advisory Committee. The committee discusses the feedback and suggestions are discussed to improve the library facilities.

#### 4.3. IT Infrastructure

- 4.3.1. Give details on the computing facility available (hardware and software) at the institution.
  - Computer-student ratio: 1:2 (Number of students : 2452 Number of Computers : 922)
  - LAN facility: 100 Mbps connectivity to each department.
  - Wi-Fi facility: Yes, Wi-Fi facility is available in the campus
  - Number of nodes/ computers with Internet facility: 200
  - Number of computers with Configuration (provide actual number with exact configuration of each available system):

Sr.	Configuration	Qty
1.	Intel Celeron P3/2000	09
2.	Computer System P3 Celebra	04
3.	Compaq Desktop Intel P4	36
4.	Lenovo desktop 300H C2D	111
5.	Apple I MAC 2-4-20"/2008	01
6.	DELL Optiplex 360 C2D	103
7.	DELL Optiplex 380 C2D	100
8.	DELL Optiplex 390	215
9.	DELL Make Dekstop Intel Core C2D	20
10.	DELL Optiplex 3010	84
11.	DELL Optiplex 3020MT	119
12.	DELL Optiplex 3020	120
	Total	922

#### • Details of Server available

Sr.	Description / Configuration	Qty	Supplier
	Architecture		• • • • • • • • • • • • • • • • • • • •
1	IBM 8485 125 Sever X200M, Intel P-4 Processor 820	1	Manorama Infosystem
	Computer Science & Engineering		T
1	IBM Server X 3650 SCSI	1	Lotus Computers
2	Dell Server AS-PE 2950 TM Power Edge	1	Lotus Computers
3	HP Proliant DL-120, IntelXeon X3430 Processor	1	Manorama Infosystem
4	Dell Server T – 410, Quad Core Processor	1	Manorama Infosystem
5	Zenith 550MC 113,114,115 Quad Core Processor,	3	Zenith
6	Dell Optiplex 9020 MT (Intel ® core 17-4770Processor	1	Manorama Infosystem
	Electronics		
1	Dell Server( POWEREDGE T-410 Intel @QUAD core)	1	Manorama Infosystem
	Information Technology		
1	IBM e Server x-364 Series Intel Xeon	1	Manorama
	22112 0 201 10 0 1 201100 211001 12001	+ -	Infosystem Manorama
2	Dell Server Dell Power edge, T410	1	Infosystem
	Mechanical		
1	Dell Server	1	Manorama Infosystem
	<b>Computer Center</b>		
1	Dell Server	3	Manorama Infosystem
	<b>Professional Communication</b>		
1	Dell Server	1	Manorama Infosystem
		1	
	Total	17	

#### • List of Application and System Software

Sr.	Softwares	Qty
	Architecture	
1	Microsoft Windows XP Professional,	-
2	Microsoft Windows 8.1 Professional	-
3	DOS	-
4	Microsoft Office 2007/2010	-
5	AUTO DESK SOFTWARE 2013	-
	AUTODESK_REVIT_ARCHITECTURE_2013_ENGLISH	-
	AUTO CAD_2013	-
	AUTODESK_3DS_MAX_DESIGN_2013	-
	AUTOCAD_CIVIL3D_2013	-
	AUTOCAD STRUCTURAL DETAILING_2013	-
	AUTO DESK NAVISWORK MANAGE	-
	AUTO DESK QUANTITY TAKE OFF_ 2013	-
	AUTO DESK ROBOT STRUCTURAL ANALYSIS	-
6	PROFESSIONAL	-
	AUTO DESK SHOWCASE_2013	-
	AUTO DESK SKETCH BOOK DESIGNER_2013	-
7	Adobe Photoshop,	-
8	Sketch up, Acrobat reader,	-
9	Antivirus (Quick Heal Antivirus three years)	-
10	Page Maker	-
11	Audio CD's (Set A)	2
12	Video CD's (Set B. C. D)	42
13	DVD CD (Set E. F. G)	63
14	Video CD's (Set E. F.G)	30
15	Proge CAD	1

	Chemical				
1	Aspen one Engg for universities 9.0 version	150 User			
2	GATE Exam Practice	1			
3	Interview Simulator	1			
	Civil				
1	Staad-Pro	1			
2	Gate Exam	1			
3	Gram ++	1			
4	ETABS & SAP	1			
5	MS Project	1			
	Computer Science & Engineering				
	Open Source Softwares				
1	Ubuntu,Linux, Fedora, RHEL 5.0, JAVA, MySQL,	-			
2	Tomcat, Storage Controller, Cloud Controller,	-			
3	Cluster Controller, Node Controller, Netbeans,				
4	Eclipse, Apache, Xen, Python, LaTex, NS2	-			
	System Software				
1	MS Windows XP Professional (10 users)	1			
2	MS Windows 2003 Server (10 users)	1			
3	Windows server (1 user)	1			
4	Windows Server 2008 OLP NLAE 5 CAL	1			
5	Windows Server 2008 OLP NLAE	1			
	Application Softwares				
1	MS office 2000	1			
2	Oracle 8.1 (5 Users)	1			
3	Novel Netware (5.10)	1			
4	Oracle 10g Standard Edition (10 Users)	1			
5	MS Visual Studio .net (5 Users)	1			

6	Adobe Photoshop creative suit	1
7	Borland C++ AE	1
8	Macromedia Studio MX 2004	1
9	Adobe Acrobat professional AE version	1
10	Media CD for Adobe Acrobat professional	1
11	MSDN Academic Alliance CD/DVD (1 year)	1
	IBM Rational software architect	30
12	IBM Rational suit Enterprise	30
13	E Learning CD,s - C rapid,C++,Discrete Maths, JAVA, VB.net, Stat.	6
14	MSDN Academic Alliance 7.0 (renewal 1 year)	1
15	MSDN Academic Alliance 7.0 (renewal 1 year)	1
16	Microsoft WinSVR STD 2012 SNGL OLP Aca	5
17	Windows SVRCAL 2012 SNGL OLPNL Aca CAL	5
18	Windows SL8SNGL OLPNL Acad Legalization Get Genuine	5
19	Windows Pro 8.11 SNGL Upgrade OLPNL Acdmc	5
20	Microsoft Office 365	100
21	Microsoft office STD 2013 SNGL OLPNL Acdmc 021- 10234	1
22	GATE Exam Practice	1
23	Interview Simulator	1
	Electronics	
1	Orcad 9.1	1
2	MATLAB 6	1
3	Borland C++ 5.02 Developer suit	Multiple
4	VISSIM Commsim Software	5
5	Matlab 7.1	10
6	Multisim Education Version 10:10 Station Node-locked	10
7	GATE Exam Practice	1
8	Interview Simulator	1

9	KEIL Softwrae for Embedded Systems	1
	Mechanical	
1	ANSYS	1
2	UNIGRAPHICS	1
3	Highper Mesh	1
4	CATIYA	1
5	GATE Exam Practice	1
6	Interview Simulator	1
7	AUTO CAD	1
	Information Technology	
	Open Source Softwares	
1	FTP Server	1
	Moodle	1
2	Microsoft Paper License Win Server std 2008	1
3	ESPOIR interview simulator	1
4	Gate Exam Practice Papers on server with unlimited users	1
	Production	
1	Minitab 16	1
2	GATE Exam Practice	1
3	Interview Simulator	1
4	Unigraphics NX3	5
5	CATIA V5 R19	10
6	AutoCAD	1
7	ANSYS	1
8	Hyper works (105 HWUs)	1
9	UGNX NASTRAN	2
10	Mechanical Desktop 6	
11	FEMAP	5

## 4.3.2. Detail of the computer and Internet facility made available to the faculty and students on the campus and off-campus?

- Internet service is available in the college for faculty and students. Almost every computer in the campus is connected to Internet facility.
- The Principal cabin, Office, HOD and faculty cabins, computer labs in every department have the facility of Internet.
- The departmental MOODLE facilities are made available to students and staff. Wi-Fi facility is also provided.

Name of the Internet provider	NKN
Available bandwidth	NKN- 200Mbps
Access speed	200 Mbps
Availability of internet in an exclusive lab:	Yes
Availability in most computing labs:	Yes
Availability in departments and other units	Yes
Availability in faculty rooms	Yes
College's own e-mail facility to faculty/students	Yes
Security/privacy to e-mail/internet users	Yes

## 4.3.3. What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

Computer systems get up graded as per the requirements of University Syllabus for each branch and as per the requirements of software installed. College always tries to provide the latest available technology to provide the best education for students.

#### College plan to

- Upgrade leased line Internet connectivity.
- Implement college level email server.
- Interactive LCD projectors will be made available.
- Upgrade number of PC's with latest configuration.
- Demonstrate the topics with help of Movie Clips to make lectures more interesting.

# 4.3.4. Provide details on the provision made in the annual budget for procurement up gradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)

Year	Allocated Budget(lakhs)	Expensed (lakhs)
2015-16	38	33
2014-15	60	54.79

2013-14	55	50.57
2012-13	23	21

- 4.3.5. How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching learning materials by its staff and students?
  - The college provides computers to faculty. They use the same for presentation, Laboratory work and research.
  - Some of the departments in the college have MOODLE facility on which faculty upload their assignment list, notes, study materials as well as they take submission using MOODLE.
  - Faculty prepares presentations, animation and use Tablets to make teaching learning simple and interesting.
  - We have NPTEL video lectures available
  - The college has subscribed e-resources / e-journals.
  - The college provides CAMPUSPEDIA facility to all faculty. It is used by all faculty members to fill academic details and its analysis.
- 4.3.6. Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching learning resources, independent learning, ICT enabled classrooms/ learning spaces etc.) by the institution place the student at the center of teaching-learning process and render the role of a facilitator for the teacher.
  - The college has Wi-Fi Campus.
  - The Class rooms have the LCD for presentation.
  - The college has IIT remote center which offers continuous learning programs for students as well as faculty.
  - All departments in the college have their own library available for students and faculty members.
  - Some of the departments in the college have MOODLE server. All teachers and students are registered members of MOODLE server. Faculty upload their assignment list, notes, study materials as well as they take submission using MOODLE. Students are enrolled to specific courses of their Departments. The MOODLE server is running on public IP address, which enables our teachers and students to access it from anywhere at any time. A teacher can set quizzes and can share resources on the MOODLE platform. Continuous assessment of students' performance and grading can be done on MOODLE platform.
- 4.3.7. Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating University? If so, what

#### are the services availed of?

YES, we have connectivity with National Knowledge Network. The NKN connectivity is through the D.Y.Patil University.

#### **4.4.** Maintenance of Campus Facilities

# 4.4.1. How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

The college reviews the requirements of buildings, furniture, equipment, vehicles and computers etc. every year before start of academic session. However, the college never hesitates to provide or maintain facilities than the allocated budget depending upon the need.

Items	2016-17		2015-16		2014-15		2013-14	
	Allocated Budget (lakhs)	Expensed (lakhs)	Allocated Budget (lakhs)	Expensed (lakhs)	Allocated Budget (lakhs)	Expensed (lakhs)	Allocated Budget (lakhs)	Expensed (lakhs)
Building	-	-	-	-	-	-	-	
Furniture	6.0	5.89	50	3.10	50	14.13	40	8.94
Equipment	12.0	11.70	65	56.17	50	2.60	50	13.01
Computers and other Hardware	1.0	0.88	70	33.00	60	54.79	55	50.57
Vehicles	-	-	-	-	-	-	-	-
Total	19.0	18.47	185	92.27	160	71.52	145	72.55

## 4.4.2. What are the institutional mechanisms for maintenance and upkeep of the Infrastructure, facilities and equipment of the college?

#### • Maintenance Procedure:

- The College has appointed 26 housekeeping staff for cleaning & maintenance of offices, laboratories, classrooms, corridors etc. They work continuously from 8am to 5pm for 6 days a week.
- The College has appointed 2 staff for maintenance of garden area with required equipments.
- Electrician is appointed by the college for repairs and maintenance of electrical work.
- Plumbers are recruited for daily maintenance of pluming works on demand basis.
- Maintenance works are carried out on the basis of complaints received and also by doing regular visits by maintenance personnel.

- An Infrastructure coordinator is appointed from the senior faculty of Civil Engineering Department having professional experience for the overall development and maintenance work.
- College has formed a committee for maintenance of Building/Furniture as follow.

Sr.	Name Of Faculty	Department	Role
1	Prof. S. B. Sabnis	Civil Department	Coordinator
2	Prof N. M. Shaikh	Architecture department	Member
3	Shri. Anil Patil	Office	Member
4	Shri. D. B. Alwekar	Establishment	Member

#### • Equipment facility:

All the labs are maintained by respective departments.

#### Computing Facility:

- The licensed software and other computing facilities are available according to the requirement of departments.
- Centralized Computer Center is managed by administrator.
- Computer centers at every department are connected through LAN and provided with server wherever required.

#### • Library:

Library is maintained by qualified and competent staff.

## 4.4.3. How and with what frequency does the Institute take up calibration and other precision measures for the equipment/instruments?

- The equipments and measuring devices are verified at the start of the term with calibrated equipments to ensure that the equipments used for conduct of practicals are fit for use
- The laboratory equipments are maintained and calibrated through budget allotted for the same to the respective Department from the College Development Fund.
- The calibration of selective equipment is undertaken periodically by the departments.
- The college has a team of qualified technical staff for maintaining computers and networking facilities. Some of the members are identified for the same and it is ensured that they are available at short notice.

## 4.4.4. What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

#### Maintenance of academic infrastructure and facilities

• The sanctioned load by MSEB to the college is as follow:

Sr. No.	Consumer No.	Name/ Location	Sanction Load
NO.			
1	266511324645	Main Building	18 KW
2	266511324629	New Building	21 KW
3	266511327024	Hydraulic Lab.	65.25 HP
4	266511324611	Machine Shop	48 HP
5	266511324637	Smiths Shop	15 HP

- The college also has two diesel generators of 125KVA each for backup supply.
- UPS facility is also available where ever required in the college.

#### CRITERION V: STUDENT SUPPORT AND PROGRESSION

#### 5.1. Student Mentoring and Support

5.1.1. Does the college publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the college ensure its commitment and accountability?

Directorate of Technical Education provides required prospectus annually at the time of admission process. Together with this our college also provides following information for proper guidance of the institute.

- College publishes the brochure and pamphlets containing the details of courses available in the college including general information and intake capacity.
- The brochure provides information of library facility, Gymkhana facility, Training and Placement Office and Central Computing Facility.
- It also provides the details of achievements of student at Shivaji university examinations.
- It also provides the name of the campus recruiters.
- A pamphlet provides information of the documents required for the first year engineering admission process.
- Architecture Department publishes its additional pamphlet as its admission process is through NATA (National Aptitude Test in Architecture) and MASA (Maharashtra Association of Schools of Architecture).
- There is a provision for online access to all above documents.
- 5.1.2. Specify the type, number and amount of collegeal scholarships / free ships given to the students during the last four years and whether the financial aid was available and disbursed on time?
  - College gives fee concession to the wards of staff members for pursuing education in the colleges conducted by Dr. D. Y. Patil Pratishthan.
  - College offers fee waiver scheme for needy student. It gives concession in tuition fees for deserving students.

• Best outgoing students receives memento and cash prize.

Sr.	Session	Financial	Undergraduate		
		Aid Available Yes / No	No. of Students received	Amount disbursed in Rs.	Disbursed Date
1	2016-17	Yes	122	57,77,746	July/August 2016
2	2015-16	Yes	119	38,66,107	July/August 2015

3	2014-15	Yes	72	14,16,050	July/August 2014
4	2013-14	Yes	64	9,35,832	July/August 2013
5	2012-13	Yes	52	7,40,735	July/August 2012
6	2011-12	Yes	47	5,12,026	July/August 2011

### 5.1.3. What percentage of students receives financial assistance from State government, central government and other national agencies?

The percentage of students getting financial assistance is governed by State or Central Govt. policy. The students are informed about the scholarships available in the College through the class tutors and the application forms are circulated to them.

Sr.	<i>U</i> 1	Agency	Total I					
	Scholarship		received financial assistance					
			2016-	2015-	2014-	2013-	2012-	
			17	16	15	14	13	
1	SC/ST Free ship & Scholarship	State Govt.	296	283	81	79	71	
2	Other (NT, OBC, SBC, EBC)	State Govt.	676	571	352	225	187	
3	Handicap	State Govt.	-	-	-	-	-	
4	Minority	Central Govt.	12	12	-	-	-	
5	J&K	Central Govt.	3	-	1	-	4	
6	GATE	Central Govt.	-	-	-	-	-	
7	Defense	-	-	-	-	-	-	
8	GOI	-	-	-	-	1	2	
9	TFWS	-	26	26	25	27	27	
		Total	1013	892	459	332	291	

#### 5.1.4. What are the specific support services/facilities available for

- Students from SC/ST, OBC and economically weaker sections
  - ✓ Students with physical disabilities
  - ✓ Overseas students
  - ✓ Students to participate in various competitions/National and International
  - ✓ Medical assistance to students: health Centre, health insurance etc.
  - ✓ Organizing coaching classes for competitive exams
  - ✓ Skill development (spoken English, computer literacy, etc.)
  - ✓ Support for "slow learners"
  - ✓ Exposures of students to other college of higher learning
  - ✓ Corporate/business house etc.
  - ✓ Publication of student magazines

The college works with the mission of imparting holistic education to

economically weaker sections of the society. The following support facilities are provided to the students:

#### → Students from SC/ST, OBC and economically weaker sections:

The students who belong to SC/ST, OBC and the economic weaker sections are identified and are given the central government, state government and the University sponsored scholarships. The College provides proper guidance and assistance to the students like getting application and submitting the filled in application within the stipulated time and also follow up till the final approval of the scholarships. College offers free Book Bank Facility to all the students in these categories.

#### → Students with physical disabilities:

Till now, from this category, none of the students are admitted in our institute.But few of the facilities such as ramp, lift are available & if required, additional necessary facilities may be provided.

#### → Overseas students:

The college has few overseas students in the department of Architecture for whom free internet facility is provided along with free medical services. The students are also facilitated with mentoring and counselling support.

## → Students to participate in various competitions/National and International /Organizing coaching classes for competitive exams:

In its endeavour to promote all round holistic development, the college encourages participation in various competitions at state level and national level. Not only participation in the challenging competitions but winning laurels has become an integral part of the college. Seminar/workshops, symposiums, paper presentations, presentation on communication skill development, motivational lectures by expert faculty are arranged by the concerned departments of the college. Along with academics, students are encouraged to participate and involve in NSS/NCC, sports activities at State Level and National Level. Information is circulated among students about various paper presentations, seminars, project competitions, model makings etc. as well as notified on notice boards. Students are guided by faculty members for participation in these competitions. Usage of laboratories & computer facilities, e journals, library, workshop etc. is extended to students. The Satej Patil Foundation at Kolhapur conducts an annual cultural event called "SYF" (Students Youth Festival) is an inter-collegiate festival, which is a platform for college students to showcase their cultural talents. The festival is open to all college students.

Training and placement cell identifies the need and provides the

training through internal and external agencies to the students. It provides guidance for higher education through expert talks. GATE software and Interview simulator software are provided for preparation of GATE examination and interview.

### → Medical assistance to students: health center, health insurance etc.:

A medical facility with an ambulance is available on demand in campus for any medical emergency and pharmacy store which operates 24\*7 is available in the campus of D. Y. Patil medical College. The DYP medical college accommodates and takes care of the patient from college. Health checkups are done under specialized doctor's supervision by the medical college at regular intervals. First aid box is kept in all the laboratories and Amartya Shiksha Yojna policy and student accident insurance policy is available to the students for a period of 4 years under which their parents are also ensured.

## → Skill development (Spoken English, Personality Development Program, Technical Certifications etc.)

The college runs aptitude classes for its students so that students perform well in their competitive examinations. The college also provides training on soft skills which include attitude building, effective writing, team work, assertive communication, self-esteem and self-confidence, group discussion and personal interview. The College stresses the need for better communication skills from the first year onwards. The language lab and communication skills lab are incorporated in the curriculum itself.

Training and placement cell organizes the training programs for:

- General aptitude & analytical skills
- Personality development
- Soft skill

#### → Support for "slow learners"

Personalized counselling and parental care is made possible by counselling where 15 students are assigned to each faculty member. The dedicated and committed teaching faculty of the college pays special attention to slow learners. Slow learners are found out from the analysis of various assessment process such as Session Test, Lab Viva session, interaction during the lecture delivery, etc. These students are asked to discuss with the faculty in person during the extra hours such as Saturday in addition to the special classes conducted for those students. They are also given special attention by solving the important problems in the form of additional worksheets and assignments. Provisions are made in weekly time table for conducting additional / remedial lectures for slow learners, poor performers. Improvement Tests are conducted for

those who need to improve performance in Internal Assessment Tests. Question bank & Set of question papers of previous University examinations are provided. Model Answers & solutions are displayed. Regular motivation and counseling from the faculty and proctors also help the slow learners to overcome their barriers.

## → Exposures of students to other college of higher learning / corporate/business house etc.

The students are exposed to the current trends in the industry by arranging guest lecturers from the reputed colleges and industries. The students are also encouraged to take up the training in the industry to get the hands on experience about the current technology in the industries. The college arranges for industrial visits to the students to get firsthand information about the industries and their technologies.

The college has signed MOU with reputed companies/institutes like Infosys, IBM, Texas istruments,Indo-German DAAD, Niagara college, Wellano, Canada, Bosch-German etc.

#### → Publication of Student's magazines.

College has published college magazine- ARPAN-2017 on 18<sup>th</sup> February 2017. The department of Architecture also publishes an annual magazine called "CRESCENZA".

## 5.1.5. Describe the efforts made by the college to facilitate entrepreneurial skills, among the students and the impact of the efforts.

The Objective of Entrepreneurship Development Cell:

- i) Creating awareness among the students of the college regarding entrepreneurship as a career option.
- ii) Conduct training programs in the field of entrepreneurial skill development.
- iii) Develop entrepreneurship related course curriculum to incorporate in the engineering programs.
- iv) Provide guidance and facilities to first time entrepreneurs during planning. "Freedom of Thinking" is the motto at D. Y. Patil college of Engineering and Technology. The students have their own associations; through which they learn to work in a co-operative manner. These associations have their own financial budget and organizational skills are nurtured through their working. Professional Practice/Industrial Training is part of curriculum of all departments. Through NASA (National Association of Students of Architecture) activity, students are required to interact at National and International Level thus stimulating growth of their various qualities. Also students are encouraged to participate in National and International design competitions giving exposure at international level.

- 5.1.6. Enumerate the policies and strategies of the college which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.
  - \* Additional academic support, flexibility in examinations
  - \* Special dietary requirements, sports uniform and materials
  - \*Any other

For the all-round growth of the personality of the students, the college motivates the students to participate in the extracurricular and co-curricular activities like sports, games, quiz competitions, debate and discussions, cultural activities etc. There are various policies and strategies on different extracurricular and co-curricular activities at college level and as well as at department level as below.

#### Additional academic support, flexibility in examinations:

Care is taken that student don't miss the part of syllabus because of participation in sports and other activities. This is done by conducting extra classes for students who participate in sport and other activities. Even special mid-term and end-term tests are carried out for students who miss the scheduled test because of participation into various activities.

#### **Sports uniform and materials**

College encourages its students to participate into various sport activities at district, state, national and international level. It provides various facilities for such events such as distribution of sport uniform, making available to students various sport materials such as cricket bat, football, etc.

In addition, various extracurricular and co-curricular activities are conducted in college campus which include Techno fest, debate competitions, quiz competitions, etc. The cultural event organized by the college is a "live" event which brings faculty and students together in many ways that expresses their idea, tradition and values. Many celebrities including Mr. Sam Pitroda have visited the DYPCET campus.

The college arranges national and international study tours every year to give maximum exposure to the students. In 2014-15, the international study tour was arranged at Dubai. In 2015-16, it was arranged at Singapore. Also, the students participate in NASA event (National Association of Student of Architecture) which is held every year at national level. Many colleges from nearby countries also participate in this event. Thus student are exposed to the works of national and international level. A financial support in the range of Rs 50,000/- is given to students for this event. As a co-curricular activity students are encouraged to participate in various national and

international design competitions for maximum exposure.

5.1.7. Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET, GATE / CAT / GRE /TOFEL / GMAT / Central /State services, Defence, Civil Services, etc.

The college realizes the importance of competitive examinations in the higher studies and research career. Hence it motivates its students in many ways. Through The Satej Patil Foundation at Kolhapur, the management gives regular training for such competitive examinations. Experts from administrative services are invited to guide the students. A seminar on "Overseas Education" is organized every year. In addition GATE Forum is organized every year. Under this Forum, coaching classes are conducted for candidates appearing for GATE Examinations. Also study material is distributed at nominal cost to the students. GATE software is also made available for GATE exam preparation. College arranges seminars of its renowned alumni for encouragement regarding competitive examinations and postgraduate studies in India and abroad. The details of students who have appeared for various competitive examinations are as below.

Year	Examination	Appeared	Qualified
	CAT	G AFFE 225	GATE 12
2016-	GATE / GRE / TOEFL	GATE -227 GRE-2	GATE -12 GRE-2
17	GMAT	GKE-2	GKE-2
	Central / State Services		
	CAT		
2015-	GATE / GRE / TOEFL	GATE -223	GATE -9
16	GMAT	GRE- 5	GRE- 2
	Central / State Services		
	CAT		
2014-	GATE / GRE / TOEFL	GATE -121	GATE-11
15	GMAT	GRE-121 GRE-8	GRE-3
	Central / State Services	GILL 0	oral s
	CAT		
2013-	GATE / GRE / TOEFL	GATE- 69	GATE-5
14	GMAT	GRE-6	GRE-1
	Central / State Services	OILE 0	OIL 1
2012-	CAT	CAT -01	CAT-01
13	GATE / GRE / TOEFL	GATE-62	GATE-04

GMAT	GRE-02	GRE-01
Central / State Services		

## 5.1.8. What type of counseling services are made available to the students (academic, personal, career, psycho-social etc.).

Counseling services are made available to the students through teacher mentors and on demand counselors.

#### **→** Academic:

Teacher mentor provides academic counseling to the students. The academic progress of the students is closely monitored by the mentors and the students as well as their parents are made aware of his/her achievements and deficiencies. The students are also advised about their career development.

#### **→** Personal:

In order to solve the personal problems, mentors deal with the students in a family like relations and environment. But still then the personal information is kept confidential and the complications are solved in dialogue with experienced authority.

#### **→** Career:

The college support students for higher studies and research in many ways as below.

- i. A GATE Forum is organized for students appearing for GATE Examinations
- ii. A seminar on "Overseas Education and Research" by Prof A.G. Kelkar is organized every year.
- iii. Value added courses like Autodesk Revit, IGBC are arranged for such students apart from their regular curriculum.

#### **→** Psycho-Social:

On demand Psycho-Social counselors are made available to students from nearby D. Y. Patil Medical College. Under this scheme, issues like stress, anxiety, peer pressure, etc are dealt with.

5.1.9. Does the college have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

Yes. College does have an efficient and systematically structured Training and Placement Cell. The various activities of Training and Placement Cell are as below:

i. To facilitate the process of placement of students passing out from the College.

- ii. To collaborate with leading organizations in setting training program for students
- iii. To liaise with various industrial establishment and corporate houses which conduct campus interviews.
- iv. To provide infra-structural facilities to conduct group discussions, tests and interviews besides catering to other logistics.

The Principal of the college is the Chief of Training and Placement Cell along with Training and Placement Officer. The coordinators from various departments support them to carry out various activities as mentioned above.

Formation of Training and Placement Cell is as below.

Dr. V. R. Ghorpade i. Principal T.P.O. Prof. Dr. J. D. Patil ii. Architecture Coordinator Prof. Gayatri Jadhav iii. Chemical Coordinator Prof R. D. Mahajan iv. Civil Coordinator Prof V. K. Chopdar v. vi. Computer Coordinator Prof M. V. Mane **Electronics Coordinator** Prof. M. A .Pardeshi vii. viii. I.T. Coordinator Prof S. B. Patil Mechanical Coordinator Prof P. A. Mane ix. х. **Production Coordinator** Prof A. G. Kelkar

#### **Campus Placement:**

As mentioned the Training and Placement office facilitates the process of placement of students passing out from the college. It liaises with various industrial establishment and corporate houses for conducting campus interviews.

The details of placement record are as below.

#### **Placement Record**

	Placement Companies in Last Six Years
1	Persistent Systems Ltd., Pune
2	Zensar Technologies Ltd., Pune
3	V V F Ltd., Mumbai
4	Paramatrix Technologies Ltd., Mumbai
5	Seed Infotech Ltd., Pune
6	Savy Software Pvt. Ltd., Pune
7	Capgemini India Pvt. Ltd., Mumbai
8	Thyssenkrupp Industries India Ltd., Pune
9	TCS, Pune
10	EveryDay IT Software Solution, Kolhapur
11	L & T Infotech Ltd., Mumbai

10	N. 17.1 (1.1 17.1)
12	Manugraph Industries Ltd., Kolhapur
13	Privi Organics Ltd., Mahad
14	TCS, Pune
15	Tech. Mahindra, Pune
16	Technimont I C B Pvt. Ltd., Mumbai
17	Universal Hunt Ltd., Pune
18	Syntel Ltd., Pune
19	JSW Steels Ltd., Bellary
20	Fiserv Ltd., Pune
21	Kirloskar Brothers Ltd., Pune
22	Krishna Constro Projects Pvt. Ltd., Pune
23	Sumeru 108 Consulties, Mumbai
24	Pidilite Industries Ltd., Mahad
25	Impact Infotech Ltd., Mumbai
26	Alkyl Amine Chemicals, Mumbai
27	Excel Industries Ltd., Raigad
28	Fasttrack Software Systems, Pune
29	Finolex Industries Ltd., Ratnagiri
30	HSBC Software Development (India) Pvt. Ltd., Pune
31	IGATE Patni, Mumbai
32	Kolte Patil Developers Ltd., Pune
33	KPIT Cummins Infosystems Ltd., Pune
34	Mind Tree Ltd., Bangalore
35	SPML Infra Ltd., Thane
36	Unity Infra Projects Ltd., Mumbai
37	Universal Education, Banglore
38	Infosoft Ltd. Pune
39	Elnfochips,Pune
40	Acty System, Mumbai
41	Polaris System, Pune
42	Mphsis Bpo International
43	Perennial System
44	Amazon International Bpo

45	CMS IT Services
46	Nitro Infotech, Pune
47	Imagine IT Hub, Pune
48	Technicious Technology, Kolhapur
49	Inspeero, Mumbai
50	Syntel, Pune
51	Triveni Turbines Ltd. Bangalore
52	Tata Motors, Kolhapur
53	Tulip TechStar, Pune
54	Yash Creation Ltd., Kolhapur
55	Privi Organics Ltd., Mahad
56	VVF Ltd., Taaloja MIDC, Mumbai.
57	Prototech Ltd., Pune
58	Webtech Developers Pvt. Ltd.
59	ACTY Systems, Mumbai
60	3d PLM Bangalore
61	PRAJ Industries Ltd
62	CACTUS Communication PVT. LTD Mumbai
63	CMS IT services, Kalyan
64	PEOL, Bangalore
65	MindScript
66	Pratian Technologies, Bangalore
67	Godrej and Boyce Mfg. Co. Ltd., Mumbai

## 5.1.10. Does the college have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

Yes, the college has Student grievance Cell. The objectives of student grievance redressal cell are as below:

- i. To promote and maintain a conducive and unprejudiced educational environment in the college.
- **ii.** To coordinate between students and departments to redress the grievances.
- **iii.** To guide ways and means to the students to redress their problems. Also, there are number of suggestion boxes in the college where student can drop their suggestions and grievances. College welcomes any suggestions and grievances from its stakeholders and solves them

promptly.

The various members of grievance redressal committee are as below.

	Grievance Redressal Committee					
Sr.	Committe	e Member	Desig	gnation	Department	
1	Dr. Sanjay D	. Patil	Cha	irman	President	
2	Dr. Vijay R.	Ghorpade	Me	ember	Principal	
3	Shri. Anil Pa	til	Member	Secretary	Registrar	
4	Prof. Dr. Mrs Kulhalli	s. K. V.	Me	ember	IT	
5	Prof. Dr. A.	N. Jadhav	Me	ember	Electronics	
6	Prof. Mrs. N	.D. Jirge	Me	ember	Architecture	
7	Prof. M. J. P	atil		ember	Civil Engg	
		Grieva	nces Red	ressed		
Sr.	Year	Grievances 1	Reported	Grievance	Redressed	
1	2016-17	NIL	,		N.A.	
2	2015-16	NIL			N.A.	
3	2014-15	NIL		N.A.		
4	2013-14	NIL			N.A.	
5	2012-13	NIL		N.A.		
6	2011-12	NIL			N.A.	

## 5.1.11. What are the collegeal provisions for resolving issues pertaining to sexual harassment?

The internal complaints committee ICC exist and functions in the college to ensure the campus as safe and protective environment for its women employees and students as per the Vishaka Guidelines of the Supreme Court (JT 1997 (7) SC 384). Two years back, ICC was known as Sexual Harassment Prevention Committee.

The objectives of the committee are:

- To create a congenial working environment at the college to ensure that the women employees and students are not subjected to gender specific discrimination of sexual harassment.
- The committee sensitizes the employees and students on issues related to sexual harassment and gender discrimination.
- It also has a complaint mechanism to ensure time bound treatment of complaints and holds responsibility to take punitive actions against the offender. It will promote and facilitate measures taken in the college for the prevention of sexual harassment.

#### The members of the **Internal Complaints Committee** are as follows

#### **5.1.11.** (A) Internal Complaints Committee

	Internal Complaints Committee				
Sr.	Committee Member	Designation	Role		
1	Prof. Mrs. Padmavati S. Pise	Asso.Prof.	Presiding Officer (Chairman)		
2	Prof. Abhay M. Joshi	Asso.Prof.	Member		
3	Prof. Mrs. Neela D. Jirge	Assist. Prof.	Member		
4	Adv. K. S. Gund- Patil	Advocate	Member		
5	Mrs.Swati S. Kadam	Social Worker	Member		
6	Mrs. Sujata C. Bhosale	Computer Operator	Member		
7	Mr. Khandoba S. Jadhav	Lab. Assistant	Member		
8	Mrs. Shital Zalte	Ph.D. Student	Member		
9	Miss Pratibha D. Lagad	P.G.(E & TC) Student	Member		
10	Mr. Satyam Gadekar	SE (A) Mech. UG Student	Member		

#### 5.1.11. (B) Action Taken by Internal Complaints Committee

Sr.	Year	<b>Instances Reported</b>	Action taken
1	2016-17	NIL	N.A.
2	2015-16	NIL	N.A.
3	2013-14	NIL	N.A.
4	2012-13	NIL	N.A.
5	2011-12	NIL	N.A.

## 5.1.12. Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

The college has an anti ragging committee with the following objectives:

- Creating ragging free atmosphere in and outside the campus.
- Creating awareness among students regarding acts and punishments pertaining to ragging activities.
- Creating cordial relations among students for fulfilling organizations mission and objectives.

But no incidence of ragging has been reported during last four years.

As such the campus is ragging free.

#### (A) Anti-Ragging Committee

	Anti-Ragging Committee					
Sr.	Committee Member	Designation	Department			
1	Prof. S.R. Khot	Nodal Officer	Info. Tech.			
2	Prof. Mrs. N. D. Jirge	Member	Architecture			
3	Prof. P.D. Chougule	Member	Production			
4	Prof. R. G. Benni	Member	Mechanical			
5	Prof. A. M. Joshi	Member	Civil			
6	Prof. A. J. Jadhav	Member	Computer Sci.			
7	Prof. R. M. Sayyad	Member	Gen. Engg.			
8	Prof. Mrs. S. Z. Bhai	Member	Gen Engg			
9	Prof. Miss. S. S. Rajeshirke	Member	Gen Engg			

## 5.1.13 Enumerate the welfare schemes made available to students by the college

The objective of college's welfare scheme is to protect student's financial, professional and physical wellbeing. To overcome the possible financial hurdles that some of the students face, the college has student welfare schemes in place in the form of scholarships and freeships. Also to facilitate students with ease of financial transaction the college has collaborated with the Union Bank of India. The student's professional career is secured with the help of counseling and placement services whereas their health is taken care by on demand medical facility. The details are as below

#### Scholarships and Freeships:

College has Fee waiver scheme and it gives concession in fees for deserving student. The college also allows payment of fees in installment to needy students. Even prizes / scholarships are offered to meritorious students.

#### • Bank Services:

While student are concentrating on building their future, to support their active lifestyle; the college has collaboration with Union Bank of India for a zero deposit bank account. The bank also provides educational loans and has an ATM facility near campus.

#### Counseling and Placement Services:

The training and placement cell provides employment opportunities and world class training to the students in leading organizations.

#### Health Services:

A medical facility with an ambulance is available on demand in campus for any medical emergency and pharmacy store which operates 24/7 is available in the campus of D. Y. Patil Medical College. The D. Y. Patil Medical college accommodates and takes care of the patient from college.

#### • Library Services:

College has Book bank facility for the economically backward students. Also library issues additional books/references to scholar students.

## 5.1.14 Does the college have a registered Alumni Association? If 'yes', what are its activities and major contributions for collegeal, academic and infrastructure development?

'Yes', the college does have a Alumni Association which is registered with the Charity Commissioner and the registration number is **MAH/24592/KO**. All the trustees of the Association are alumni of the College, either working in the College or working in the industry. The purpose of Alumni association is to foster a spirit of loyalty and to promote the general welfare of college. The alumni association of architecture department is called as "Aakar." The General Body of Alumni Association consists of 15 members.

**Key Members of Alumni Association** 

Sr.	Name of the Member	Designation
1	Prof. Abhay Joshi	President
2	Alumni Mr. Abhijit Joshi	Vice-President
3	Prof. Mahadeo Narke	Secretary
4	Prof. Bhagatsingh Jitkar	Treasurer

The objectives of Alumni Association are as below:

- To promote and foster mutually beneficial interaction between the Alumni and the present students of the college and between the Alumni themselves.
- To encourage the Alumni to take an active and abiding interest in the work and progress of the college so as to contribute towards enhancement of the social utility of their Alma Mater.
- To act as a bridge between college and the industries for interaction on new developments in different disciplines of engineering.

- To assist the college to promote R & D activities, testing and consultancy.
- To extend every possible help to the college authorities for overall progress of the college.

With these aims the Alumni Association has arranged following major activities.

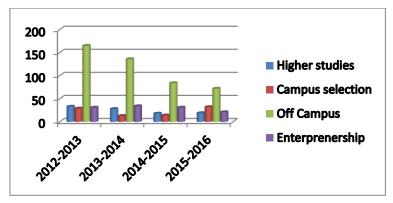
	Major Activities of Alumni Association				
Sr. No.	Name of Alumni Association	Name of Activity Conducted	Duration	No. of Students Participated	
1	Aakar Alumni Association	Alumni Meet Batch 1996- 97	13/08/2016	290	
2	Civil Engineering Students Association #	Dr.Amit Saini. Dist.Collector.,Motivational Speech under Alumni Meet	24/09/2016	305	
3	DYPCET Alumni Association	Mega Alumni Meet at Akurdi Campus	15/12/2015	650	
4	Aakar Alumni Association	A seminar by Ar. Umesh Raje on his own projects	17/03/2015	270	
5	DYPCET Alumni Association	Alumni Meet	08/03/2014	360	
6	Aakar Alumni Association	Alumni meet, 2013	12/01/2013	45	
7		Silver Jubilee Alumni Meet in presence of MLA HonSatej D.Patil	26/08/2013	455	
8	Aakar Alumni Association	Slide Show by Ar. JLN Simha on his own projects.	26/02/2012	155	
9	DYPCET Alumni Association	Silver Jubilee Alumni Meet	26- 27/12/2008	1500	

'Alumni Meet 2104' was organized by the College on 8<sup>th</sup> March 2014 (Saturday). The formal inauguration was done by the Chief Guest Hon. Satej D. Patil in the presence of Principal Dr. Vijay R. Ghorpade. The two senior alumni; Mr. Naresh Vatkar (Mumbai) from CSE Department and Mr. Hrishikesh Manavi (U.S.A.) from Civil Engineering Department expressed their views as representatives of the present alumni.

#### **5.2.** Student Progression:

5.2.1. Provide the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

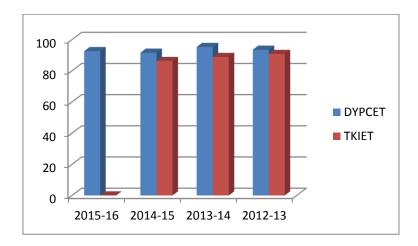
Student Progression to higher education & the employment is illustrated in the following graph:

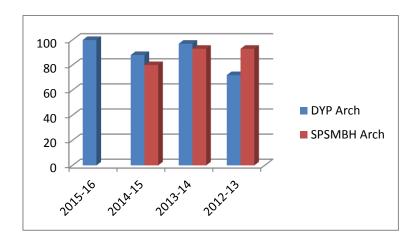


It is observed from the analysis of the graph that, campus placementis improved this year.

5.2.2. Provide details of the programme wise pass percentage and completion rate for the last four years (course wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same college and that of the Colleges of the affiliating university within the city/district.

Batch-wise passing percentage, in comparison with the colleges (Engg.& Arch.) of the affiliating university is illustrated as follows. (TKIET data compared because other colleges don't have chemical branch.)





## 5.2.3. How does the college facilitate student progression to higher level of education and/or towards employment?

Training and Placement cell arranges training programs for the students for various modules such as Aptitude Tests, Interview Techniques and Group Discussions etc. to improve the communication skills. Also various practice aptitude tests, practice technical tests, practice group discussions are arranged for the students by Training and Placement department as well as individual department. College takes students for industrial visits regularly.

Final year students are motivated to take project from specific categories as per their interest. This will help them choose area for higher education. Training and Placement Cell organizes special sessions from the industry persons after college hours as additional input for final year students. The college encourages the students to prepare for various competitive examinations through availability of GATE software. The college has Interview Simulator software to face the interview committee with confidence. College also has higher education in PG & PhD.

## 5.2.4. Enumerate the special support provided to students who are at risk of failure and drop out.

Every student's progress is evaluated with the help of mid-term test result and the students who are at risk of failure are provided with academic counseling, supplementary materials, intensive remedial classes, tutorial classes etc.

Parents are informed about the performance of their ward through phone call, letters and are invited with the student to discuss the reasons and best possible solutions in the parents meet. Faculty mentor and parents interact with students who are at risk of drop out to find out the solutions to enable them to continue.

## 5.3.1. List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

Student activities are generally designed to allow students to get more involved and offer them opportunities in leadership, social responsibility, citizenship, volunteerism, and student employment. Following activities forms a vital part of our students creating unique opportunities for education beyond the coursework.

2016-17

Sr	Name of Activity	Date	No of	Achievement
	Name of Activity	Date		Acmevement
No.	T 10 11 m 11		participants	
1	Lead College Table	27/02/2017	6	Winner
	Tennis			
_	Lead College Athletics			
2	(Shot put & Running-	27/02/2017	6	Runner up
	4×100m Relay)			
3	Lead College Lawn	26/02/2017	6	Winner
	Tennis		0	Willier
	ARPAN 2K17 (Cultural	16/02/2017		
4	Events)	to	350	Participation
	Events)	18/02/2017		
5	Lead College Basketball	18/02/2017	10	Winner
6	Lead College Football	15/02/2017	16	Winner
7	Lead College Kabaddi	13/02/2017	16	Participation
8	Lead College Hockey	12/02/2017	16	Winner
9	Lead College	08/02/2017	8	2 <sup>nd</sup> Rank
9	Badminton	06/02/2017	0	2 <sup>nd</sup> Rank
10	Lead College Chess	06/02/2017	8	Participation
		5/01/2017		
11	ARPAN 2K17 (Sports)	to	1500	Participation
		3/02/2017		_
12	Lead College Cricket	03/02/2017	15	Semi Finalist
13	DYPCET Dandiya 2016	08/10/2016	700	Participation
14	Neelam Patil (University	07/10/2016	1	Selection
14	Handball)	07/10/2016	1	Selection
15	Vishal Phadtare (Zonal	06/10/2016	1	Doutioimation
13	Boxing)	06/10/2016	1	Participation
1.6	Loven Tonnia (Intonaca)	04/10/2016	5	3 <sup>rd</sup> in Shivaji
16	Lawn Tennis (Interzone)	04/10/2016	3	University
17	District Youth Festival	30/09/2016	11	Participation
18	Athletics Zonal	29/09/2016	10	Participation
19	Students Council 2016-	26/09/2016	24	Selection

	17	1		
20	17 Kabaddi Zonal	23/09/2016	12	Participation
21	Basketball Interzone (Women)	20/09/2016	12	2 <sup>nd</sup> in Kolhapur Zone
22	Table Tennis Zonal	12/09/2016	6	3 <sup>rd</sup> in Kolhapur Zone
23	MIT Summit 2016 (Football, Cricket, Carrom)	26/08/ 2016 to 04/09/2016	34	Participation
24	Akshay Nakate -5 <sup>th</sup> Asiad Martial Beta Games (Vietnaam)	01/09/2016	1	Bronze Medal
25	Volleyball Zonal	01/09/2016	12	Participation
26	Chess Zonal	23/08/2016 - 25/08/2016	5	Participation
27	Zonal Badminton	23/08/2016	5	4 <sup>th</sup> in Kolhapur zone.
28	Purushottam Karandak (Intercollege drama competition)	20/08/2016	16	Participation
30	Independence Day	15/08/2016	Staff + Students	Participation
31	Pratik Kulkarni	July to August	1	Selection for Playingfor Club at USA

#### 2015-16

Sr	Name of Activity	Date	No of	Achievement		
No.			participants			
		CULTURAL				
1	ARPAN-2K16	18/02/2016 to	500+	Participation		
	"Purshottam	20/02/2016		Best		
2	Karandak" competition	29/08/15	17	Performance		
3	Youth Festival competition	03/09/15	12	Participation		
	SPORTS					
1	Selection of teams For "Zonal Tournaments"	07/08/15	700+	Teams selected for each game		

2	Zonal Table-Tennis Tournaments	19/08/15	05	Winner
3	Zonal Cricket , Kurundwad	17/08/2015	11	Participation
4	Interzonal Boxing, Satara	17/08/2015	1	participation
5	Zonal Badminton , Kolhapur.	27/08/2015	5	Participation
6	Zonal Basketball Girls Tournaments	27/08/2015	12	Participation
7	J.J.Magdum Football Tournaments	26/08/15	16	Runner Up
8	MIT college National level sports	10/09/2015 to 14/09/2015	22	Football- semifinal Qualifier Carom-
9	Interzonal Taekwondo	13/10/2015	1	Participation
10	Interzonal, Kabaddi, Warananagar.		12	Participation
11	Annual Sport Competation	10/01/2016 to 29/01/2016	All Dept teams and individuals	GC Winners+ Participation
12	Shivaji University Table Tennis Team	12/02/2016	03	Selection
13	TKIT Warnanagar National level Football Tournaments	20/02/2016 to 21/02/2016	16	Winner
14	Lead College, Football	14/02/2016	16	Participation
15	Lead college Badminton Tournaments	09/02/2016	05	participation
16	Inter-zonal Table Tennis Tournaments	10/02/2016	05	Runner Up
17	Lead college, Hockey	13/02/2016	16	Winner
18	Lead College , Table Tennis	09/02/2016	05	Participation
19	Lead College , Kho-Kho	12/02/2016	10	Participation
20	Lead college body building tournament	21//02/2016	02	3 <sup>rd</sup> Rank
21	Lead college Volleyball Tournaments	23/02/2016	12	Participation
22	Lead college Basketball girls	10/03/2016	12	Winner
23	Lead college Basketball Boys	10/03/2016	12	Semifinal Qualifier

24	Lead College Athletics Tournaments	12/03/2016	7	Selection
25	Shivaji University Basketball Team	2015-16	12	Selection
26	Maharashtra State level , All University Ashwamedh Competition	2015-16	01	2 <sup>nd</sup> Rank
	Competition	NSS		1
1	Women's Day- Self Defense programme	07/03/16	Staff+ Students	Participation
2	Tree plantation	31/07/2015	Staff+ Students	Participation
3	Lecture on "Positive Attitude" by Prof. Devmore	08/08/15	Staff+ Students	Participation
4	Women's Day	8/3/16	Staff+ Students	Participation
5	Bann on plastic bags	09/08/15	Staff+ Students	Participation
6	Sign Campaign at Dasara Chowk	15/08/15	Staff+ Students	Participation
7	Earth –Hour Press Conference	16/03/2016	DYPCET Mayor of KMC MSEB Officers	Participation
8	Earth –Hour program	19/03/2016	Staff+ Students	Participation
	T	OTHERS		_
1	Vivekanand Jayanti	12/01/2016	Staff+ Students	Participation
2	"PHUNTROO" movie promotion	09/03/2016	Staff+ Students	Participation
3	Help for Drought affected area students of DYPCET	18/02/2016 to 1/03/2016	Students +Staff donated theirone month Salary	1,42,000 Rs Donated
4	"International Yoga Day" Celebration	21/06/15	Staff+ Students	Participation
5	Kamalgad to Mahabaleshwar treck	11/09/15	Staff+ Students	Participation

### 2014-15

Sr.	Name of Activity	Date	No of	Achievement
			participants	
		CULTURA	L	
1	Arpan 2015 (Annual Gathering) Drama, Variety Show, Mr. & Miss. DYPCET, Orchestra, Prize Distribution, Various Days	14/2/15 to 18/2/15	Staff+ Students	Participation
2	Republic Day	26/1/15	Staff+ Students	Participation
3	Balika Din	3/1/15	Staff + Students	Participation
4	Unity Day	31/10/2014	Staff + Students	Participation
5	DYPCET Dandiya	27/10/2014	Approx 700	Participation
6	Shivaji University Central Youth Festival	11-12 /10/2014	38	Participation
7	Shivaji University Youth Festival	7/10/2014	42	Participation
8	Gandhi Jayanti	2/10/2014	Staff + Students	Participation
9	Satej Youth Fest- 2014	22-23/9/14	494	General Championship Winner
10	Purshottam Karandak	22/09/2014	16	Participation
11	Independence Day	15/08/2014	Staff + Students	Participation
		SPORTS		
1	Lead Chess	27/3/2015	10	Participation
2	Lead Table Tennis	26/3/2015	5	Runner-Up
3	Lead Football	25/3/2015	16	Runner-Up
4	Lead Basketball Girls	24/3/2015	12	Runner-Up
5	Lead Basketball Boys	23/3/2015	12	Participation
6	Lead Hockey	22/3/2015	16	Winner
7	Lead Kho- Kho Boys	21/3/2015	12	Participation
8	Lead Athletics Boys	20/3/2015	15	Winner &

	G: 1		1	D 11
	Girls			Runner-Up
9	BharatiVidhypit	30/1/2015	16	Participation
	Tournament	11/1/2015	_	· · · · · · · · · · · · · · · · · · ·
10	Annual Sports	14/1/2015 To	1000	Participation
10	Inauguration	28/1/2015	1000	-
				Shivaji University
11	Basketball (Girls)	10/10/2014	6	Selection of 2
				Girls
12	Basketball (Boys)	17-18 /9/2014	12	Participation
13	Fencing	14-15 /9/2014	1	Bronze Medal
14	Carom (MIT)	14-15 /9/2014	4	Participation
15	Chess (Boys + Girls)	14-15 /9/2014	5	Participation
16	Kho-Kho	13-14 /9/2014	12	Participation
17	Zonal Cricket	1/09/2014	16	Participation
18	Zonal Table Tennis	20-21/08/2014	5	Third
19	Inter-Zonal Table		5	Winner
19	Tennis		3	winner
20	Inter Zonal		2	Doutioinstian
20	Taekwondo		2	Participation
		NSS		
1	Women's Day	0/2/2015	Staff +	D- 41-1-41-4
1	· ·	8/3/2015	Students	Participation
2	Police Mitra In	4/10/2014	50	Doutisination
2	Dushehra	4/10/2014	50	Participation
3	Rangana Trek	20/9/2014	200	Participation
4	Noise Pollution	12/0/2014	Staff +	Dantiain atian
4	Awareness	13/9/2014	Students	Participation
5	Police Mitra In	7.0/0/2014	50.	Douti sin ati s ::
3	Ganesh Festival	7-9/9/2014	50+	Participation

### 2013-14

Sr.	Name of Activity	Date	No of	Achievement
			<b>Participants</b>	
		CUI	TURAL	
1	Arpan 2014 Drama, Variety Show Mr. & Miss. DYPCET, Orchestra	15/2/14 to 18/2/14	Staff + students	Participation
2	Felicitation of Dr. S.K Mahajan	15/2/14	Staff + students	Participation
3	Republican Day	26/1/14	Staff + students	Participation

4	Swami Vivekanand	12/1/14	Staff+	Participation									
	Jayanti		Students	1									
5	Puroshottam Karandak Mahaantim Pheri at Pune	18/12/13 to 21/12/13	16	Participation									
6	RASS Dandiya	12/10/2013	Approx. 600	Participation									
7	Central Youth Festival	3/10/13	38	Solo singing-Second Prize Quiz-Third									
8	Youth Festival	28/09/2013	42	Solo Singing –Third Quiz –Third									
9	PurshottamKarandak	25/09/2013	16	SarwotkrushtPrayogikNata									
10	Prabhodhan Karandak	22-23 /9/2013	16	Best Supporting actress & Best Backstage									
	Ganesh Festival	17/09/13	Aprox. 1000	Participation									
12	Engineers Day	15/09/13	50	Participation									
	Independence Day	15/08/2013	Staff + Students	Participation									
14	Seminar	20/7/13	200	Participation									
	SPORTS												
1	Lead Chess Girls	28/2/14	1	Winner									
2	Lead Cricket	25/2/14	12	Participation									
3	Lead Volleyball Boys & Girls	22/2/14	14	Participation									
4	Lead Table Tennis Boys & Girls	20/2/14	2	Boys -Runner-up Girls-winner									
5	Annual sports inauguration	11/1/14 to 12/2/14	Staff + Students	Participation									
6	Lead Kabbadi	10/2/14	7	Participation									
7	Lead Hockey	6/2/14	11	Participation									
	Lead Badminton boys & Girls	2/2/14	14	Participation									
9	MIT summit Taekwondo Girls	12/12/13	2	Second									
10	Carom (MIT)	13/11/13	4	Participation									
11	Fencing	12/11/13	1	Silver Medal									
12	Lead Basketball (Girls)	10/10/2013	6	Selection of 2 Girls									
13	Zonal Athletics-long Jump	16/9/13	25	Third									
14	Chess	13/9/2013 to 14/9/2013	9	Participation									
15	Football	11/9/13	16	Participation									

16	Zonal Badminton Girls	10/9/13		Third				
17	Zonal Cricket	1/09/2013	16	Participation				
18	Zonal & Inter zonal Table Tennis Boys & Girls	20-21/8/2013	5	Runner-up & University selection				
NSS								
1	Earth hour	24/3/2014	Staff + Students	Participation				
2	NSS Special camp	8/1/2014 to 14/1/2014	Students	Participation				
3	Police Mitra in Ganesh Festival	18/9/2013	Students	Participation				
4	Vishalgad to Machal Trek	15/09/2013	120	Participation				

### 2012-13

Sr	Name of Activity	Date	No of	Achievement							
	·										
	CULTURAL										
1	ARPAN 2013	16/02/13 to	Staff +	Participation							
1	Annual Gathering	18/02/13	Students	T articipation							
2	ARPAN 2013 Sports	06/02/13	Staff +	Participation							
	Inauguration		Students	-							
3	"BHARATIYAM"	16/01/13 to	20+	Won in Face painting &							
	Competition	19/01/13		Group Singing							
4	Swami Vivekanand	12/01/13	Staff +	Participation							
	Jayanti	12/01/15	Students	Turrespuren							
5	Blood Donation	20/10/12	80	Participation							
	Camp			Turrespuren							
6	YUVA MAHOTSAV	28/09/12 to	30+	3 <sup>rd</sup> Rank							
	Competition	29/09/12	301	3 Runk							
_	Submission of Forms	15/00/10	G. 1	<b>5</b>							
7	of YUVA	15/09/12	Students	Participation							
	MAHOTSAV										
8	Oath Ceremony on account of	15/09/12	Staff +	Oath taken on Anti-Tobacco							
0		13/09/12	Students	& Save Baby Child							
	Engineer's Day Selection of students										
9		11/00/12	15.	Only one team selected per							
9	participating in YUVA MAHOTSAV	11/09/12	45+	event							
10	Selection of students	09/00/12	25	10 students selected for							
10	for Drama of YUVA	08/09/12	25	Drama							
	MAHOTSAV										

11	Teachers Day	05/09/12	Staff + Students	Participation
12	Meeting for Teachers Day	04/09/12	Council member	Participation
13	Free Eye Check-up Camp	28/08/12 to 30/08/12	Staff + Students	Participation
14	Independence Day	15/08/12	Staff + Students	Participation
15	Poster & Model Presentation	15/08/12	30	Participation
16	Pared practice for Independence Day	13&14/08/12	Students	Participation
17	Notice for participation of Poster/Model presentation	12/08/12	Students	Participation
18	Indian Youth Festival	01/08/2012	Students	Participation
19	Opening Day	2/7/12	Staff + Students	Participation
20	"Young Tarang" Competition	July-August 2012	50+	Won General Championship
		SP	ORTS	
1	Zonal Cricket Competition	06/09/12	18	Team reached semi-final
2	Notice for participation of Summit- (National level college sports Meet )	03/09/12	Council member + Students	Participation
3	Declaration of winner of Zonal	30/08/12	Staff + Students	Winner
	Compeniion		Students	
4	Competition  Zonal Badminton  Competation	27/08/12 to 29/08/12	2	3 <sup>rd</sup> Rank
5	Zonal Badminton			3 <sup>rd</sup> Rank Selection of 18 Students
	Zonal Badminton Competation Selection of Zonal	29/08/12	2	
5	Zonal Badminton Competation Selection of Zonal Cricket team Winner of Zonal	29/08/12 21/08/12	70	Selection of 18 Students
5	Zonal Badminton Competation Selection of Zonal Cricket team Winner of Zonal Chess Declaration Zonal Chess	29/08/12 21/08/12 13/08/12 10/08/12 to	2 70 students	Selection of 18 Students Winner

			1								
	Selection										
10	Zonal Games Notice	03/08/12		Participation							
	NSS										
1	EARTH HOUR	23/04/13	Staff + Students	Participation							
2	NSS Camp at Nebapur	21/01/13 to 27/01/13	Staff + 100 Students	Participation							
3	No Vehicle Day	15/01/13	Staff + Students	Participation							
4	Girls Rally against "Girls Harassment"	3/01/13	Staff + Students	Participation							
5	Police Mitra	29/09/12	Students	Participation							
6	Tree Plantation	05/09/12	Staff + Students	Participation							
7	Panhala Camp	02/09/12	Staff + Students	Participation							
		O	THERS								
1	Donation of " Grains & Books"	12/04/13	Staff + Students	Donated "Grains & Books" to poor people							
2	NCETETA-2013	29/03/13	P.G. & PH.D Students from all over India	Participation							
3	Students Interaction programme	19/01/13	Staff + Students	Participation							
4	"VidnyanVyakhyan Mala"	16/01/13	Staff + Students	Participation							

The schedule for the different Activities by & for the student is displayed at the start of year in the form of calendar as shown:

8     9     10     11     12     13     6     8th Aug Display of Mid Term Mark       8     15     16     17     18     19     20     4     15th Aug Independence Day       17th Aug Parasi New year       13th Aug Parasi New year       13th Aug Parasi New year       13th Aug Parent Meet       10	No. 1 2 3 4 5 1 2 3 4 4 5 5 6 6	June	6 13 20 27 4 11 18 25	7 14 21 28 5 12	Wed  1 8 15 22 29 6	Thu 2 9 16 23 30	3 10 17 24	4 11 18	Working Days - - - 4	15th June - Term Start			
September   Continue	2 3 4 5 1 2 3 4 5	July	13 20 27 4 11 18 25	14 21 28 5 12 19	8 15 22 29 6	9 16 23 30	10 17 24	11 18	-				
September   Continue	3 4 5 1 2 3 4 5	July	13 20 27 4 11 18 25	14 21 28 5 12 19	15 22 29 6	16 23 30	17 24	18	-				
Company	4 5 1 2 3 4 5	July	20 27 4 11 18 25	21 28 5 12 19	22 29 6	23 30	24		-				
September   1	5 1 2 3 4 5		4 11 18 25	5 12 19	29	30		25	6				
1	1 2 3 4 5		4 11 18 25	5 12 19	6				0				
September   1	2 3 4 5		11 18 25	12 19	200	7	V		4				
September   1	3 4 5		11 18 25	12 19	200	7	1	2	2	6th July - Ramzan ID			
18	4 5 6		18 25	19	13		8	9	5				
September   1	5		25			14	15	16	6				
1	6			26	20	21	22	23	6				
8 9 10 11 12 13 6 8th Aug Display of Mid Term Mark  7 August 15 16 17 18 19 20 4  22 23 24 25 26 27 6  29 30 31			1	20	27	28	29	30	6				
August			-	2	3	4	5	6	6	1st Aug. to 3rd Aug Mid Term Test			
August   13	7		8	9	10	11	12	13	6				
September   12   23   24   25   26   27   6   13th Aug Parent Meet	/	August	15	16	17	18	19	20	4				
10	8		22	23	24	25	26	27					
12   September   12   13   14   15   16   17   4   19   Sept Anant Chaturthi & Engineers Day 19   19   20   21   22   23   24   6   Term Feedbak     14   26   27   28   29   30   5     15   October   10   11   12   13   14   15   -	9		29	30	31				3				
12   September   12   13   14   15   16   17   4   19th Sept End Term Exam   19   20   21   22   23   24   6   22nd Sept. to 30th Sept Internal Exam End Term Feedbak   22nd Sept. to 30th Sept Internal Exam End Term Feedbak   22nd Sept. to 30th Sept Internal Exam End Term Feedbak   22nd Sept. to 30th Sept Internal Exam End Term Feedbak   22nd Sept. to 30th Sept Internal Exam End Term Feedbak   22nd Sept. to 30th Sept Internal Exam End Term Feedbak   22nd Oct Display of Internal marks   2nd Oct Mahatma Gandhi Jayanti   11th Oct Vijaya Dashami   12th Oct Mohram   29th Oct Dispavali   24th Oct Dispavali   24th Oct Dispavali   31th Oct Padava   31th Oct Padava   31st Oc	10					1	2	3					
13	11		_	6	7	8	9			15th Sept Anant Chaturthi & Engineers Day			
13	12 S	September	12	13	14	15	16	17	4	19th Sept End Term Exam 22nd Sept. to 30th Sept Internal Exam End			
15	13		19	20	21	22	23	24	6				
15	14		26	27	28	29	30		5				
16									-				
17	15			_					-				
18	16	October	57000					5.50	-				
19	17					V-100	70.7	p (1987)	-				
1				25	26	27	28	29	-				
Total Working Days   Student counseling by the faculty in 1st week of every month   1st Nov Gurnanak Jayanti   15th Nov Gurnanak Jayanti   15th Nov Term End   15th Nov T	19		31						-				
22   November   14   15   16   17   18   19   -					_				-				
22									-				
Total Working Days 87  Extracurricular Activities Public Holidays Co curricular Activities Other Activities  Student counseling by the faculty in 1st week of every month		November							-				
Total Working Days 87  Extracurricular Activities Public Holidays Co curricular Activities Other Activities  Student counseling by the faculty in 1st week of every month	23					24	25	26					
Extracurricular Activities Public Holidays Co curricular Activities Other Activities  Student counseling by the faculty in 1st week of every month													
Student counseling by the faculty in 1st week of every month	2007			T									
	Extracurricular Activities Public Holidays Co curricular Activities Other Activities												
Remedial classes by the laculty . 2.00 pm to 1.00 pm every saturday		ı											

Prof. (Dr.) Vijay R. Ghorpade Principal

	ACADEMIC CALENDER FOR SEMESTER - II • YEAR : 2016 - 2017											
Week				Week	Days			No. of Working				
No.	Month	Mon	Tue	Wed	Thu	Fri	Sat	Days		Events		
1					1	2	3	-		Term start		
2		5	6	7	8	9	10			Practical's starts		
3	December	12	13	14	15	16	17	-	26 Dec	Sports activities & NSS cam		
4		19	20	21	22	23	24	6				
5		26	27	28	29	30	31	6				
1		2	3	4	5	6	7	6	26 <sup>th</sup> Jan	Republic Day		
2	January	9	10	11	12	13	14	6				
3	,	16	17	18	19	20	21	6				
4		23	24	25	26	27	28	5				
5		30	31					2				
				1	2	3	4	4		Feb Mid Term Exam &		
6	February	6	7	8	9	10	11	6	students I			
7	Tebruary	13	14	15	16	17	18	6	8 <sup>th</sup> Feb Display of Mid Term Mark 17 <sup>th</sup> to 18 <sup>th</sup> Feb Social Gathering			
8		20	21	22	23	24	25	5	19 <sup>th</sup> Feb	Shivaji Maharaj Jayanti		
9		27	28					2	24 <sup>th</sup> Feb	Mahashivratri		
10				1	2	3	4	4		Dhulivandan		
11		6	7	8	9	10	11	6	17 <sup>th</sup> Mar Rangpanchami 20 <sup>th</sup> to 22 <sup>nd</sup> Mar End Term Exam.			
12	March	13	14	15	16	17	18	4		Mar End Term Exam. Mar Internal Exam		
13		20	21	22	23	24	25	6	28 <sup>th</sup> Mar (	Gudipadava		
14		27	28	29	30	31		4	31 <sup>th</sup> Mar I	Display of Internal Marks		
							1	-		Ramnavmi		
15		3	4	5	6	7	8	-	9" April -	Mahavir Jayanti		
16	April	10	11	12	13	14	15	-	14 <sup>th</sup> April - Dr. Babsaheb Ambedkar Jayanti & Good Friday			
17		17	18	19	20	21	22	-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
18		24	25	26	27	28	29	-				
19		1	2	3	4	5	6	-	1st May - M	aharashtra Day		
20		8	9	10	11	12	13	-	10 <sup>th</sup> May - Buddha Pornima 23 <sup>rd</sup> May - Term Ends			
21	May	15	16	17	18	19	20	-	25 May -	TETTI ETIUS		
22		22	23	24	25	26	27	-				
		29	30	31				-				
	7	Total W	orking	Days				84				
Ex	Extracurricular Activities Public Holidays Co curricular Activities											
	Rem							n 1 <sup>st</sup> Week of 00 pm to 4.0		nth. ry Saturday		
Term Start Term End							1	actical Exan	-	Theory Examination		
	19-12-2016				-2017				20st April onwards			
	12 2010			20 00						f. (Dr.) Vijay R. Ghorpade  Principal		

5.3.2. Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National /International, etc. for the previous four years.

The college promotes participation of students in co-curricular, extracurricular activities listed below:

Domontonom	Trunc of A ctivity	2016	-17	2015	-16	2014-	15	2013-	14
Department	Type of Activity	W	P	W	P	W	P	W	P
Civil	Co curricular	9	-	9	-	15	2	10	-
Civii	Extracurricular	4	-	5	-	6	50	8	4
Chemical	Co curricular	11	140	11	15	9	-	9	-
Chemical	Extracurricular	21	50	12	60	2	1	1	-
Computer	Co curricular	11	2	13	4	10	4	9	8
Science Engg.	Extracurricular	1	4	2	12	-	1	3	-
	Co curricular	13	140	12	120	13	2	10	1
Electronics	Extracurricular	18	100	2	85	32	9	4	10
Information	Co curricular	-	49	15	40	13	25	11	10
Technology	Extracurricular	-	23	-	10	7	6	17	9
Production	Co curricular	34	-	35	-	9	5	14	-
Production	Extracurricular	32	1	7	-	-	6	-	7
Mechanical	Co curricular	15	3	9	9	9	1	9	1
Mechanical	Extracurricular	1	-	-	6	-	6	4	6
	Co curricular	93	334	104	188	78	38	72	20
Total	Extracurricular	77	177	28	173	47	78	36	36
	Total	681		493		241		164	

<sup>\*</sup>W - Winners, \*P-Participants

## 5.3.3. How does the College sepek and use data and feedback from its graduates and employers, to improve the performance and quality of the collegeal provisions?

The College regularly organizes alumni meet. Interaction session is arranged during Alumni meet so that current students can have healthy discussion with the alumni. Expert Lectures of the alumni helps the students to select their area of interest. Alumni Feedback is also collected. After the campus interviews, TPO collects feedback through personal interaction with the employers. College analyses the feedback for improvement in curriculum, infrastructural facilities,

teaching learning process and information systems. College presents the feedback to BOG and management. It gets the suggestion from all about the feedback. Accordingly it improves the domains where there is need for reforms and modifications.

# 5.3.4 How does the College involve and encourage students to publish materials like catalogues, wall magazines, College magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.

College has published college magazine- ARPAN-2017 on 18<sup>th</sup> February 2017. It aims to provide a record of the college's activities and the achievements of faculties & students alongwith interesting articles prepared by students. It is distributed amongst all the faculties & final year students. Before magazine publication, college used to publish "CAMPUS COSMOS" newsletter. The Architecture dept. of our college also publishes its annual magazine saperately in which the students publish both technical and general articles. In addition to this, every dept. has wall magazine section where the students can display their paintings, articles, poems etc. The college also encourages the students to publish their ideas in various conferences, poster presentations and other events.

### 5.3.5 Does the College have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

Student Council is the body that advocates on behalf of students, serves as representatives to the Board of Managers, appoints students to all major committees at the College, and distributes the activities budget to all students in the college. In addition to helping students as individuals, student councils are great for organizing activities, student orientations, special events and other events that educational colleges rely on to establish a well-rounded college community. Furthermore, they provide the student body with an opportunity to voice their questions, concerns, and ideas; thus making the college a truly student-focused and student-driven entity.

The student who wishes to become a council member submits an application form to the principal at a predetermined deadline. The student council members are then selected through an interview with management. There is no funding from any Govt. body. Though the major source of funding is from the college, college receives some funds from Shivaji University, Kolhapur to conduct NSS activities. Constitution of the Student Council:

- Chairman
- Faculty Co-ordinator
- N.S.S. Co-ordinator
- Dir. Of Phy.Edu.
- University Representative

- Ladies Representative
- Cultural Secretary
- Sports Secretary
- N.S.S. Representative
- N.C.C. Representative
- Class Toppers

Major Activities coordinated under Student Council

Sr. No.	Type Of Event	Sub-Event Details	Level (University/ State / National/ International Etc.)	Achievement
1	Basket ball Girls	Selected at SUK Team	Inter zonal	2 <sup>nd</sup> Rank
2	Basket ball	Ashwamedh (1 student selected in team)	State level	2 <sup>nd</sup> rank of team
3	Table tennis	Kolhapur Zonal	Selected for interzonal	3 <sup>rd</sup> Rank in Kolhapur zone
4	Lawn tennis	Sangali by SUK	interzonal	3 <sup>rd</sup> rank
5	Satej Youth Fest	Cultural, sports etc.	State level	General Championship Winner
6	Purushottam Karandak	One Act Play Competition	National Level	Participation
7	Youth Festival Central Shivaji University	Individuals Event	District level	Participation
8	Central Youth Festival Shivaji University	individuals event	Inter District level	Participation
9	Zonal Tournament	Cricket Team	Zonal	Participation
10	Zonal Tournament	Table Tennis	Zonal	Third
11	Inter-Zonal Tournament	Table Tennis	Inter-Zonal	Winner
12	Lead College Tournament	Kho-Kho	Inter-Zonal	Participation
13	Lead College Competition	Lead College Table Tennis (Women)	Lead College Competition	2 <sup>nd</sup> Rank

14	Kolhapur zone	Athletics	Zonal	3 <sup>rd</sup> (Shot-Put)
15	Kolhapur zone	Athletics	Zonal	2 <sup>rd</sup> (Long Jump)
16	M.I.T Summit National Level Sports Meet	Carrom	National Level	2 <sup>nd</sup> Rank
17	Taekwondo Competition, Sangli	Taekwondo	State Level	1 <sup>st</sup> Rank
18	Lead College Competition	Kabaddi	Lead College Competition	2 <sup>nd</sup> Rank
19	Kolhapur Competition	Kho-Kho (Men)	Zonal	4 <sup>th</sup> Rank
20	Youth Festival	One Act Play	Central	Best Actor
21	Bhartiyam	Group Singing	State Level	1 <sup>st</sup> Prize
22	SGGS, Nanded	Cad War	National Level	2 <sup>st</sup> Prize
23	IIT Level Event	Robotics	IIT Level	1 <sup>st</sup> Prize
24	Sangli Senior	Taekwondo	State Level	1 <sup>st</sup> Prize
25	Satara	Paper Presentation	National Level	2 <sup>st</sup> Prize
26	Bharati Vidyapeth	Paper Presentation	National Level	1 <sup>st</sup> Prize
27	J. J. Magdum College	Death War	National Level	2 <sup>st</sup> Prize
28	BIMAT	Spot Paper Presentation	National Level	1 <sup>st</sup> Prize

### 5.3.6. Give details of various academic and administrative bodies that have student representatives on them.

The college has the following bodies / committees in which student representatives are involved.

- Student Council & Department Level Students Associations
- National Service Scheme (NSS) Committee
- ISTE Student Chapter
- Internal Complaint Committee (ICC)
- Grievance Redressal Committee etc.

## 5.3.7. How does the college network and collaborate with the Alumni and former faculty of the College.

The Alumni Association enables passed students remain connected and active with the college. The Alumni Association of our

college is registered with the Charity Commissioner. All the trustees of the Association are alumni of the College, either working in the College or working in the Industry. College regularly organizes Alumni meets. The main aim of the Association is to give a platform for the interaction between the alumni and the present students, so that the present students will be motivated by the senior alumni and also they will get the guidance regarding higher education, placement, etc.

On 15<sup>th</sup> December 2015, college has organized an alumni meet at D. Y. Patil, Akurdi campus. Most of our alumni are working at Pune, Mumbai & nearby regions, so with permission & support of management, college could successfully organize the meet at Pune facilitating ease of access to the maximum number of alumnai. On 8<sup>th</sup> March 2014, college has also organized alumni meet at our institute level. Along with such institute level meets, every dept. has interaction sessions of our alumnai in the form of guest lectures, seminars, workshops etc.

### CRITERION VI: GOVERNANCE, LEADERSHIP & MANAGEMENT

6.1.1. State the vision and mission of the college and enumerate on how the mission statement defines the college's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, college's traditions and value orientations, vision for the future, etc.?

### **Vision of the College:**

To become a leading Institute in producing high quality technical Professionals for nation building

### **Mission of the College:**

- 1. To nurture the students with high quality education.
- 2. To promote creativity, excellence and discipline.
- 3. To explore career opportunities for the student.
- 4. To create societal and environmental awareness.
- 5. To enhance industry institute interaction and research activities.

## 6.1.2. What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

The college practices participative strategies and delegation of authority to the responsible, & also plays the role of a facilitator with adequate financial support for the academic and administrative infrastructure. The top management inspires faculty to achieve excellence of national and global level in the field of higher education With full backup from top management, the Principal and faculty i.e. academia tries to formulate system process and procedure for imparting quality education true to spirit of the college's vision & mission of existence.

By virtue of the post the Principal is a member of Board of Governors. The Principal contributes in the policy decisions of the Management with respect to the college.

Principal being head of the college communicates the decisions of the management in the academic committee which is composed of all departmental heads. Principal provides academic leadership in association with various faculties, evolves strategies for academic growth of the college.

Faculty is actively involved in decision making process at their level. Few faculty members are in committees like Anti Ragging, Research and Development cell, Publication committee, Technical exhibition committee, Examination committee, Sports committee, Cultural committee, and many other committees that are constituted for the smooth conduction of various curricular & co-curricular events. All the new and revised policies to improve academic activities, methodology of conducting examinations are reviewed and discussed in HODs meeting before implementation. Administrative matters are dealt through the registrar and other section heads.

## 6.1.3. What is the involvement of the leadership in ensuring the policy statements and action plans for fulfilment of the stated mission

- Formulation of action plans for all operations and incorporation of the same into the collegial strategic plan.
- Interaction with stakeholders
- Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders.
- Reinforcing the culture of excellence.
- Champion organizational change

### The policy statements and action plans for fulfilment of the stated mission

The Management and the Principal ensure that the college forges ahead with all the planning, to consolidate and become one of the premier colleges in the state/country, providing excellence in education. The Management of the college has long term vision for both, academics and administration. The BOG meets to chalk out policies and action plans for the growth of the college. As the policy statement and vision, mission statements and all programs on teaching and learning process emphasize on all round development of our students.

The Management of the College has long term vision for both, academics and administration. They guide, initiate, persuade the staff to actively involve themselves in realizing the goals and objectives of the Management of the College. In addition to this, Principal coordinates with outside agencies like University authorities, AICTE, DTE and other government bodies to comply with necessary regulations. The leadership at all the levels of the hierarchical structure of the organization is completely devoted from development to implementation of the policy.

### Formulation of action plans for all operations and incorporation of the same into the collegial strategic plan

The action plan is generated in BOG meeting and then reviewed by Principal, Heads of the Department and Coordinators of various academic committees. The leadership is also involved in communicating and reviewing the policies/action plans from time to time through meetings with various committees.

All the plans implemented at various levels are incorporated into collegial strategic plan. The action plans for operations are prepared under the supervision and guidance of the Principal and Heads of the Departments. Various action plans will be made ready at the beginning of the academic year for Streamlining:

- Academic Activities
- Admission Process
- Budget and Financial Needs
- Assessment of Staff Requirement

Teaching Plans, Preparing Time Table, Resources Allocation etc. Various committees are formed to define the roles in formulating and achieving the strategies. The faculty meetings are held usually at the beginning and end of every term.

#### **Interaction with stakeholders**

Stakeholders' meeting is a strategic way to get the feedback and reviewing the same to ensure quality in the system. The college at various levels engages in a dialogue with the stakeholders. Parents' informal interaction is conducted at various stages of student performance. The students' performance and their attendance are informed to the parents. Feedback and valid suggestions are taken from parents and incorporated. Employers meetings are conducted during campus recruitment, industrial visits, guest lecture etc. College maintains the regular interaction with its stakeholders by all the levels of college. BOG Meeting and Local Management Committee (LMC) meeting is conducted twice in an academic year. Principal conducts regular meetings with HODs, Faculties and Students as per the collegial academic calendar. Parent-Teachers Meeting is conducted time to time to update the performance of the students. Alumni meet is conducted once in a year to maintain the industry college relationship. Alumni meetings provides appropriate interface between alma-maters and industries for curriculum development, student projects and signing MOUs with National & International Universities & Industry.

## Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders.

Management of the college is committed for complete satisfaction of stakeholders. Policy of the College is designed with the consultation of all the stakeholders after the thorough analysis of requirements and technological advancement from time to time.

#### Reinforcing the culture of excellence

The college believes in striving for excellence. We ensure that we are on the right track towards achieving academic excellence. The Management, the Principal and staff work together to ensure that a culture of excellence is engaged continuously. The thrust of all curricular and extracurricular engagements is for enhancement of quality. The students are trained to take an initiative to act on opportunity, accept responsibility, develop positive attitude and take-up ownership of the problems.

### Champion organizational change

The college has pragmatic approach to promote the changes in the procedure and process in the system as per the suggestions given by stakeholders and alumni for the better functioning of the college. Various units— Students, Staff, Departments, Principal and

Management strive towards organizational change and the well being of all stake holders. As a part of organizational change, we initiate

- i) Developing a change in mindset
- ii) Providing visionary leadership
- iii) Involving key stakeholders and building commitment and facilitate to work in teams and keep all focused and motivated.

## 6.1.4. What are the procedures adopted by the college to monitor and evaluate policies and plans of the college for effective implementation and improvement from time to time?

The college has a very active and vibrant Staff Committee to ensure effective implementation of the strategies, plans and policies and constant improvisation is done from time to time, within the broader framework of University Rules.

The college provides a conducive atmosphere for democratic participation through review meetings, management meetings and so on. The procedures adopted by the college to monitor and evaluate policies and plans are as follows

#### **Monitoring:**

- Expected outcomes obtained from development plan and results.
- Key priorities such as teaching and learning process, risks identified in the planning stage.
- Survey, feedback and meetings with stakeholders.
- Estimation of resources required and committed for carrying out planned monitoring activities.

#### **Policy Evaluation:**

The key parameters at the time of policy evaluation are:

- Outcome evaluation of teaching and learning process.
- Research output and progress of projects.
- Environmental and sustainable development, mobilizing finances, crisis prevention and recovery.
- Evaluation by stakeholders.
- Need for modification or change should be done for the future.

Periodic monitoring is adopted by the college to evaluate policies and plans. At the academic level, the procedures adopted comprise semester-wise planning regarding course coverage, evaluation of students' performance, individual attention to weak students. At the financial level, fund requirements for computer labs, equipment and furniture are received periodically. All major purchases are deliberated upon and finalized in the Purchase Committee. All major financial approvals are sought from the BOG. In addition to this, as per the university statute, all monitoring and moderation committees are duly constituted to function as required.

There are several mechanisms in place, which help monitor and

evaluate the effective implementation of the policies, projects and programs as well as facilitate further valuation.

**University Inspections:** University Local Inquiry committee (LIC) regularly inspects the facilities and evaluates the performance. Their recommendations in the form of compliance help the college to initiate improvements.

**Internal Assessment:** The formative assessment of students through class tests, project and classroom observations helps evaluate the progress being made by the students and provide timely remedial guidance whenever & wherever required by conducting extra classes, tutorials, etc.

**Results Analysis:** Each department carries out detailed analysis of results, which helps the teachers in identifying the courses or papers in which the students are not performing well and take corrective measures accordingly.

**Reports of Committees in Staff Council:** All the committees present their reports of activities taken with suggestions for future incumbents in the Staff Council/ Committee

**Feedback from students:** The student feedback survey on courses as well as teaching learning processes provides pointed insights into the areas where quality improvements are necessary.

**Event Feedback:** Students, Participants and organizer's feedback helps to collect inputs for improving the quality of future events.

### 6.1.5. Give details of the academic leadership provided to the faculty by the top management?

The college believes that Leadership in higher education is a major social responsibility and can be significantly strengthened through dialogue with all stakeholders, especially teachers and students. Management of the college has empowered the faculty members at all the levels of the organization. Management provides adequate autonomy to the faculty for strengthening teaching—learning process, academic advancement and thereby enriching student quality.

### 6.1.6. How does the college groom leadership at various levels?

The management through the head of the college involves the staff members in various committees related to the development of the college. The staff members are involved in LMC, BOG, Advisory Committee, Discipline Committee and Examination Committee etc. The management always encourages and supports the involvement of the staff through their representation on the various committees and bodies for the improvement of the effectiveness, efficiency of the collegial progress & also encourages the participation of the staff in the process of decision making in better collegial functioning.

## 6.1.7. How does the college delegate authority and provide operational autonomy to the departments / units of the college and work towards decentralized governance system?

Decentralized governance system is a key aspect of democratic governance for the development and utilization of human potential. So the college follows the decentralized administration to a considerable extent. For the development and governance to be fully responsive and representational, the authorities have appointed and empowered the Vice Principal and Heads of the department and provided administrative as well as academic autonomy for effective governance. Duties and responsibilities are shared at different levels to ensure smooth functioning. Academic responsibilities are fairly divided among all the staff members. Committees are appointed for the various academic and co-curricular activities to be conducted during academic year. The department heads, class teachers and committee coordinators contribute in their specifically assigned roles pertaining to academic engagements. They have adequate autonomy on setting up committees for different classes, designing and evaluation of internal examination schedule and pattern, and other administrative and academic matters. Under the supervision of the Principal and Vice-Principal, the college provides autonomy to the heads of the department. Academic planning, assignment of workload to teachers and non-teaching staff are done at the departmental level by Heads of the department. Each department plans and organizes the academic activities related to their subject. Department is given freedom to frame time table for the practicals, identifying and inviting resource persons from industry & Academia as visiting faculty or Guest speakers, assigning industrial projects, deciding the theme for workshops and seminars. Delegation of power to sanction leave of the staff and utilization of the allocated budget as per the requirements is also looked after by the heads of the department.

The Assistant Registrar, Accountant, Student Section and examination section co-ordinate the functioning of the accounts department, university liaison, examinations etc.

## 6.1.8. Does the college promote a culture of participative management? If 'yes', indicate the levels of participative management.

They are always open for discussion & suggestions. Regular interaction with the teaching and nonteaching staff is conducted to encourage them to feel the involvement & constructive suggestions are braught in to implementation for effective and efficienct collegial process.

The Principal with the Heads of the Departments periodically discusses the requirements, problems and suggestions to improve the educational quality and infrastructure improvements to talk to the

management for further action. There are regular meetings of office bearers and Management representatives. All the stake holders viz. Parents, Students, Faculty and Staff have representation on the various statutory and designated bodies.

The teaching and nonteaching staff is represented in the college committees due to participatory management. There are various committees constituted to manage different collegial activities, as given below:

- Academic Committee
- Research and Development Committee
- Anti-Ragging Committee
- Grievance Redressal Committee
- Discipline Committee
- Sports & Cultural Committee
- Library Committee
- Women Empowerment Cell (ICC)
- Internal Quality Assurance Cell

### **6.2.** Strategy Development and Deployment

### 6.2.1. Does the College have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

Yes, the college has a formally stated quality policy. Quality policy was originally stated by the members of Governing Body. It is derived and aligned with respect to the vision and mission of the college. It is also driven to meet the requirements of the standard set by the university and needed by the industry. Quality policy has been deployed through internal organizational structure where each authority has its objective and responsibility. There is an Academic process which is reflected in the form of academic calendar and academic diary. Quality policy is reviewed bi-annually after collecting the feedback from its entire stakeholder and in the view of societal need which is reviewed by its stakeholder and academic advisory board and finally approved by governing council

### **6.2.2.** Does the College have a perspective plan for development? If so, give the aspects considered for inclusion in the plan

The college has a perspective plan for its development. The perspective plan for development is clearly visible through the stages of systematic growth of the college over last 32+ years in academic programmes as well as infrastructure.

The plan includes the provision for the development of infrastructure for research activities and motivating the faculty towards higher studies, Research and Consultancy etc.

College has perspective plan where following areas are

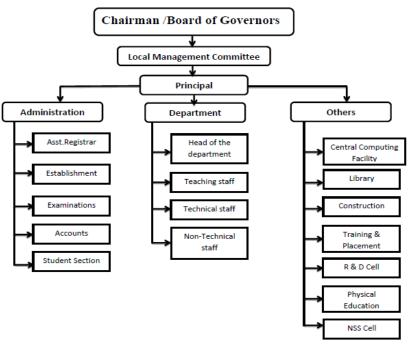
considered as key area:

- Teaching, Learning and Evaluation
- Student Support and Progress
- Faculty Empowerment and Welfare
- Research and Development
- Innovation and Entrepreneurship

## 6.2.3. Describe the internal organizational structure and decision making processes.

The BOG of the college controls and plans the finance and approves the schemes of development. The Principal is involved in the implementation of the plans of the college. He ensures that regular day to day operations are properly conducted, through feedback from teaching and non-teaching staff. The Heads of Departments ensure that the plans communicated to them by the Principal are implemented systematically.

The college functions based on various agendas. Each agenda is worked upon and propagated with the help of Vice-Principal, HODs, co ordinators of various committees. These committees meet often to discuss the related issues and take appropriate decision with respect to the requirement. The organization chart is as given below:



## 6.2.4. Give a broad description of the quality improvement strategies of the college for each of the following

The policy has been designed in consultation with the stakeholders. Internal and external stakeholders monitor and provide the feedback to adhere to the policy in its implementation.

### **Teaching and Learning**

Teaching plans are prepared for the entire semester. These get verified and checked at different stages in accordance with syllabus and scheme of examination given by affiliating University. Any short time responsibilities (Extra lecture, duties for seminar etc.) are properly recorded and informed to concerned authority. The teaching plan is drawn up month wise by each department and it is strictly monitored by the Heads of Department with the help of Monthly Monitoring Sheets. The effectiveness of teaching – learning process is reviewed on regular basis. The inputs for such review may be from Students feedback, Results of internal tests, Quality of assignment submitted and Final results of term / year.

The quality improvement strategies of the college in the broad terms are focused around following key concepts/ actions:

- Stress on improvement in communication skills in English language through conduct of additional English input during First and Second Year, followed by soft skills development in third year.
- Value added courses are introduced. Training on Aptitude/ Soft Skill is conducted for campus placements.
- Better understanding of fundamentals with the help of video/ animated/ PPT slides.
- Thrust on E- Learning by the use of NPTEL material/ on line courses etc.
- Imbibing practical orientation through thrust on quality lab classes, industrial visits.
- Faculty members are trained & encouraged to take own initiatives for extra & remedial classes beyond curriculum coverage etc.

The teaching staff maintains teachers diary and record daily lectures delivered, practical conducted. Periodically Head of the department strictly monitors the academic diary of the faculty.

For improvement in academic performance results are analyzed department- and paper-wise to identify the areas that need additional emphasis. To improve students' performance corrective steps such as remedial classes are undertaken.

#### **Research & Development:**

The college encourages the culture of research among teachers and students. Some of the initiatives for encouraging R&D are:

• Shivaji University recognized research centers.

- Adequate journals, Digital Library, reference books, Internet, lab facilities
- Sponsorships are provided for researchers to visit universities in India for attending conferences / workshops/ QIPs.
- Motivation and guidance to apply for funded research projects.
- Rewards for quality publications in peer renewed journals.
- Encouragement for higher studies.

The college is known for its social commitment to serve the society and nation. The services rendered by the college to the community are as follows:

- Organizing NSS Camp in villages
- Conducting free medical camps through D. Y. Patil Medical College, Kolhapur and other voluntary Organizations

Apart from this, the college conducts blood donation camp every year with Red Cross Society of India, which helps in inculcating good moral values and the feeling of humanity in students.

### **Human resource management:**

The college adopts a mechanism of self-appraisal of teachers and comprehensive evaluation of teachers by HOD's and the students. While these two methods are the formal modes of performance assessment of teachers, the college also has an informal method of evaluating staff. The informal method followed is as follows: The students assess the performance of the subject teacher in the prescribed format. The HOD conducts a one-to-one meeting with the staff and conveys the assessment and suggests any necessary improvements. The line of interaction followed is both for corrective measures and appreciation of the services of the teachers for their initiative and good work. A faculty is given a self-appraisal form once in a year and the motivation is such that each faculty should publish at least one research paper per semester

The faculty and staff are entitled with other benefits like CL, EL, ML and adequate vacation. The college frequently arranges for training programmes in-house and also deputes to other organization for acquiring balanced skills (technical skills, teaching skills, soft skills etc.) from all dimensions. Every time equipment is purchased and installed, software is purchased and installed, the department arranges the demo session by the supplier. The college encourages quality improvement programmes and deputes faculty on leave for higher education.

#### **Industry interaction**

The ultimate aim of the education is to equip the students to meet the industrial needs. Nowadays the industry expects ready to fit in students for their requirement. In this process, college adapts the following and facilitates the experts from industry to interact with students.

- **Guest Lecture** is a way of enriching our students with the latest updates of the Industries and Technicalities.
- **Industrial visit** is an important activity in our undergraduate programme.
- The college supports **visiting faculty** to present their research and industrial knowledge to the students. Such events provide a great opportunity for students to be exposed to new ideas or approaches.
- Vocational Training provides work experience opportunities to our students. An internship provides the opportunity to gain hands on work experience that you just can't get in the classroom. We insist the students to approach the companies that are willing to train them as interns and give them the experience they would need to get a job.

# 6.2.5. How does the Head of the college ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the college?

The Head of the college i.e. Principal is the Member Secretary of the Board of Governors. As such, the Principal has opportunity to bring the information received from the stakeholders, either in the form of formal feedback (from students for example), or informal feedback by way of meetings with academicians, employers or parents, to the attention of top management. The Principal has periodic meetings with the teaching staff, and the feedback issues are discussed in these meetings. Students are informed about the management decision through circulars, displayed on the notice boards. Further students are informed about important events, by using the college website.

## 6.2.6. How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the collegial processes?

In this knowledge centric operational organization, the Top Management tries to develop strong sense of belongingness in the minds of its knowledge workers with focus on a stress free, with full academic freedom, self-responsible work culture. Such philosophy of HRM is working fine in improving effectiveness and efficiency of the collegial process. The management believe that the effectiveness and efficiency of the collegial processes depends upon the following important factors

• The college calendar of events and activities is made at the beginning of the academic session to ensure its smooth functioning. Departments and faculty members are encouraged to organize

talks/seminars/workshops, etc. They have all functional freedom and full support from the administration.

- Participative decision making.
- Focus on Quality enhancement.
- Faculty Up-gradation encouragement.

Any initiative towards enhancement of quality is encouraged and appreciated through platforms like review meetings. The Management encourages the participation of the staff members in the process of decision making.

## 6.2.7. Enumerate the resolutions made by the BOG in the last year and the status of implementation of such resolutions.

During last year BOG meeting was held and some of the prominent issues raised / observations/ recommendations made by the BOG in such meetings and status of implementation of such resolutions are appended below:

Resolution	Status/ Follow up action
Application for NAAC Accreditation	SSR is made ready
Additional Infrastructure Facilities	Extra Built up area was created
Efforts for training &Improvement in	Aptitude Classes, online Practice
Placements.Additional value added	Sessions, Mock Interviews are
courses to be conducted.	arranged for Final and Pre Final Year
Formation of International Affairs	Students.
Cell.	Commitees formed to take action.
Improving Alumni Connectivity	In addition to College level alumni
&Encouraging industry Institute	meets, Department level meets are
interaction.	arranged.
Equipment & Software Purchase	Required equipments and softwares
	have been purchased.
Internatinal Conference to be	Preparations to be made & action
organised	plan to be implemented.

## 6.2.8. Does the affiliating university make a provision for according the status of autonomy to an affiliated college? If 'yes', what are the efforts made by the college in obtaining autonomy?

The college is affiliated to Shivaji University. This university has a provision for awarding the status of autonomy to affiliated colleges.

This college is established in 1984. Presently, the college is planning for permanent affiliation and also preparing for reaccreditation of NBA and NAAC accreditation.

6.2.9. How does the College ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?

The College has an effective Grievance Redressal Cell for its employees. There is a set procedure for receiving and addressing the grievances of both teaching and nonteaching staff. Grievances of all staff are addressed to the Principal. The Principal usually deals with the problem but may refer a grievance to the Grievance redressal committee and all employees can also appeal directly to the Grievance redressal committee. The cell works towards the welfare of the staff and redress the grievance that hinders the smooth flow of work. The grievances concerned to the policy matters are discussed with the Management and they are addressed immediately.

The Discipline Committee for students takes prompt action as soon as any complaint relating to student behavior is reported to it.

The Committee against Sexual Harassment (Now called as **Internal Complaint Committee, ICC**) is duly constituted as per rules and it promptly looks into all complaints.

The Anti-Ragging Committee takes its responsibilities very seriously and is vigilant throughout the year, and especially at the beginning of the session.

6.2.10. During the last four years, had there been any instances of court cases filed by and against the college? Provide details on the issues and decisions of the courts on these?

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## 6.2.11. Does the College have a mechanism for analyzing student feedback on collegial performance? If yes, what was the outcome and response of the college to such an effort?

Yes, the college collects online feedback from the students on the continuous basis. Every semester students provide feedback on their learning outcomes to improve the teaching learning process. Exit survey is conducted for outgoing students to get feedback on overall programme outcomes. The feedback report is discussed with the staff and forms the baseline for recommendation of Faculty Development Programme /Workshop for the faculty. The feedback is analyzed, area for improvement is identified and actions are initiated on continuous basis.

## 6.3.1. What are the efforts made by the college to enhance the professional development of its teaching and non-teaching staff?

The college authorities continuously motivate, encourage and promote professional development of faculty and support them through the following efforts & mechanism:

### **Teaching Staff**

- Creating a mechanism to develop the capabilities and upgrade skills for achieving higher quality education and excellence.
- Faculty members are encouraged to participate in faculty development programmes wherever they are conducted.
- Sponsorship is provided by college for Technical Teachers Training College and Colleges of National/International Importance.
- Encouraged to bring consultancy projects to the departments and work on them.
- Teaching faculty is encouraged to become member of professional societies such as CSI, IETE, ISTE and other professional bodies.
- To upgrade the skills of the faculty, the management of the college encourages its faculty to register for higher studies.

### **Non-Teaching Staff**

- Motivating the staff to make use of the latest equipment through awareness programmes.
- Providing access to the Internet, audio-visual aids, software packages etc., as required.
- Encourage to acquire higher professional qualification by Non-Teaching Staff.

## 6.3.2. What are the strategies adopted by the college for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

Strategies adopted by the college for faculty empowerment are as given below:

Faculty members are empowered to avail the benefits with respect to technical up gradation to make them self- sufficient by way of their entitlement. Faculty is entitled to be sponsored for Training Programmes, Paper Presentations in national/International conferences, Attending Seminars, Workshops, Quality Improvement Programme, awards of excellence etc.

• Immediately after the recruitment of the faculty, they are given orientation programme for informing about the policies and procedures prevailing in the college, motivation and creating sense of belongingness. Using modern tools for teaching learning process implementation by using SMART classes. Creating intellectual and ethical values. After the probation period the faculties are

empowered to utilize the benefits of sponsorship for attending the various programmes organized by other colleges and research organizations.

- Guest lecturers to train the faculty by external subject experts.
- The management treats and keeps the faculty in high ambience in terms of sharing both administrative and academic responsibilities, and representation in committees. The academic contribution given to the whole faculty makes them appreciative of the academic environment.

## 6.3.3. Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

A transparent performance appraisal system of the staff is in place. The performance appraisal is carried out yearly. This helps college administration to identify strengths and weaknesses of individual member of teaching and non-teaching staff. The process is transparent. The administration accordingly provides counseling, if required.

Every year Self-Appraisal is obtained from every faculty as a process of performance appraisal. A questionnaire based on Academic Performance Index for self- appraisal.

### Teaching, Learning and Evaluation Related Activities

- Lectures, Seminars, Tutorials, Practical, Contact Hours undertaken as percentage of lectures allocated.
- Lectures or other teaching duties in excess of the AICTE norms.
- Use of participatory and innovative teaching-learning methodologies: updating of subject content, course improvement, etc.

## 6.3.4. What is the outcome of the review of the performance appraisal records by the management and major decisions taken? How are they communicated to the appropriate stakeholder?

The Performance based appraisal system (PBAS) forms are submitted to the staff academy committee which is also the review committee

The best part of the PBAS is that each faculty becomes aware of self-weaknesses and tries to improve oneself in those areas so that he/she can score better in the next year.

The score/ category obtained in the PBAS contribute to the decision about faculty appreciation. Faculty with low score is personally counseled by the Principal. PBAS score of faculty is available to stakeholders as per their requirement/ request.

## 6.3.5. What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

• 1	Leave and	Vacation	Bules.
•	Leave and	vacamon	KIIIES

Sr.	Leave Type	Teaching	Non-Teaching
1	Casual Leave	15 days/Year	08 days/Year
2	Earned Leave		30 days
3	Medical Leave Half Pay	20 days/Year Commutable to full pay	20 days/Year Commutable to full pay
4	Optional Holidays		5 days/Year
5	Maternity Leave	120 days	120 days
6	Paternity Leave	10 days	10 days

**Incentives:** A few incentives are sanctioned for the faculty presenting papers at national and international level seminars and for the publication of research papers in journals.

- The regular employees of the College are entitled for Employee Provident Fund Scheme under the provisions Act, 1952, and related pension scheme of 1995.
- Employee Provident Fund scheme facility is provided in the college as per rules.
- Consultancy, R&D and Teaching Assignments: The College encourages its teachers to take consultancy and R&D assignments within College, with other colleges or Industries, appropriate to the teachers' competence. The College permits its teachers to take up teaching assignment (Guest Lectures) with other educational colleges subject to the conditions specified in the policy book.

## 6.3.6. What are the measures taken by the College for attracting and retaining eminent faculty?

The College sponsors candidates pursuing higher education and grants study leave, duty leave wherever applicable.

The College provides financial assistance for attending seminars conferences, workshops in India and abroad.

The College provides pay scales as per UGC rules and security of service to the faculty who have desired qualifications, knowledge and skills.

Additional incentives/increments are provided to experienced and qualified Ad-hoc faculty.

### **6.4.** Financial Management and Resource Mobilization

### 6.4.1. What is the collegial mechanism to monitor effective and efficient use of available financial resources?

- Governing body at the college makes the major policy decision regarding financial planning.
- The financial and account books are regularly audited.
- The expenses are authorized on the basis of budget approved by BOG.
- Preparation of budget comparing with the previous years, actual expenses to ensure decisiveness.
- A quarterly review of accounts is done by internal auditors.
- Auditing is undertaken by Registered Charted Accountant.

Annual budget proposals from departments, office, infrastructure, and building are all approved by BOG. Audit statement and income expenditure statements are placed before BOG for perusal and approval. While preparing the college budget, at first, a provision is made for Staff Salaries and Allowances. Next, a provision is made for administrative and maintenance expenses such as electricity, water, telephone, postage etc. Then, while making provisions for the departments, priorities, needs and requirements of various committees and development / up-gradation of department is seen.

## 6.4.2. What are the collegial mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

There is an internal auditing system in the College.

- The college is having qualified practicing chartered accountants as internal auditors who are auditing the accounts of the college.
- After the audit, the report is sent to the BOG for review.
- The Government fund for scholarship is thoroughly complied with their requirement of auditing.

All the major equipments are purchased through Equipment / Purchase Committee. The Equipment Committee meeting is held in each semester of every academic year. After approval of the equipments within budget provision, quotations are called from renowned suppliers, then Comparative statement is prepared and suppliers are called before equipment committee for negotiations. After negotiations purchase order is placed, with necessary conditions. When materials / equipments are supplied, it is physically verified as per purchase order then it is installed, trials taken. After satisfactory trials and/or training Goods Inward Note (GIN) is prepared. GIN is prepared by Stores section and it is signed by concerned staff and respective Head of Department (HOD). Then GIN along with supplier's Invoice is sent to accounts section. Accounts section verifies the Invoice, GIN and

Purchase Order (PO), accountant signs it and sends to Principal for his sanction for the payment. Same procedure is followed for all other major purchases and repairs and maintenances. External audit is done by the Chartered Accountant.

The last External Audit is done up to financial year ending 31-03-2015.

- 6.4.3. Major sources of college receipts/funding Reserve and Corpus Funds
  Fee collection is the major source of income for the college. Apart
  from that the college authority arranges for funds for capital
  expenditure like building and purchase of equipment etc.
- 6.4.4 Give details on the efforts made by the college in securing additional funding and the utilization of the same (if any).

Additional grants have been received from the state and central government agencies to promote research, innovation and entrepreneurship quality among students and staff.

Sr.	Funding received for	Year	Grant amount	Grant received
1	Dr. Mrs. A. V. Kadam	2013-14	Rs. 21,55,000/-	Rs. 18,50,000/-
2	Prof. A.L Jadhav	2012-13	Rs. 11,00,000/-	Rs. 11,00,000/-

### 6.4.5 The efforts made by the college in securing additional funding.

The college encourages its faculty to apply for various projects from funding agencies both government and nongovernmental organizations.

### 6.5 Internal Quality Assurance System (IQAS)

### 6.5.1. Internal Quality Assurance Cell (IQAC)

### a. Has the college established an Internal Quality Assurance Cell?

Yes, the college has setup the IQAC Cell as per the guidelines of the appropriate authorities, having the IQAC (Internal Quality Assurance Committee).

### **IOAC Committee:-**

Name	Designation	Department
Dr. V. R. Ghorpade	Chairman	CSE
Prof. B. D. Jitkar	Co-ordinator	CSE
Dr. S. H. Pawar	Member	Vice Chancellor (DYPUK)
Dr. K. V. Kulhalli	Member	IT
Ar. Shripad Beri	Member	
Mr. N. A. Patil	Member	CSE
Prof. K. Y. Shiralkar	Member	Production
Mrs. P. A. Meshram	Member	Chemical
Prof. I. S. Jadhav	Member	Architecture
Prof. M. B. Kittur	Member	Mechanical

#### **Goals of IQAC**

- In order to achieve the stated objectives and outcomes of teaching learning process of the college.
- It ensures the quality of the teaching learning process and its outcome through feedback conducted at regular intervals.
- The feedback reports are submitted for the Academic Committee Meeting, for necessary actions and corrections, if required, to improve the teaching learning process.
- To promote measures for college functioning towards quality enhancement through internalization of quality culture and collegealization of best practices.

### The Policy of the college with regards to quality assurance is:

- Monitoring the organization of class work and related academic activities.
- Conducting Internal Quality Audits periodically to verify the effectiveness of measures taken in reaching the quality parameters.
- Documenting various programs / academic activities leading to quality improvement and reviewing their effectiveness in quality improvement / sustenance.

### b. How many decisions of the IQAC have been approved?

• All the decisions of IQAC, ever since its formation have been approved by the Academic Committee.

### **Decisions taken by IQAC:-**

- Enhancing teaching learning process.
- Recommends for innovative efforts for improving academic performance of Students.
- Recommends organize/attend FDP, seminars, workshops, national/international conferences etc.
- More efforts are to be taken to provide better career opportunities to all the students.
- Course files must be prepared with PPT slides etc.

#### c. Does the IOAC have external members on its committee?

Yes, the IQAC has external members in IQAC Cell. The contributions made by them are in terms of industry academia interfacing and networking, providing leads for Training and Placement, discussions and lectures. Detailed functions of the IQAC cell are as follows:-

#### **Functions of IQAC:-**

• Facilitating the creation of a learner – centric environment conducive for quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process.

- Arrangement for feedback responses from students, parents and other stakeholders on quality-related collegial processes;
- Dissemination of information on the various quality parameters of higher education.
- Organization of inter and intra collegial workshops, seminars on quality related themes and promotion of quality circles.

## d. How do students and alumni contribute to the effective functioning of the IQAC?

The feedback obtained from students and alumni is provided to IQAC for discussions and findings for Quality functioning of the college.

- The student expresses their views in enhancing teaching learning process and conduct of various co-curricular / extracurricular activities in the college.
- The students also give input to the Placement Officer and necessary mock training and new methods of improving the employability strategies are brought in.

### e. How does the IQAC communicate and engage staff from

The function of the IQAC Cell is participative in nature and includes senior faculty members from all the departments of the college.

- IQAC also engage faculty members from different departments of the college for its administration and development work.
- The communication is done through circulars, emails and meeting. The IQAC also has staff members of the College as its members.
- These members also help in communication between IQAC and operating departments.
- Internal audit is carried out by the members drawn from all the departments and communicate the same to IQAC.

### 6.5.2 Does the college have an integrated framework for Quality Assurance?

Yes, the necessary integration for quality assurance is done through Academic Committee which meets periodically to ensure quality and delivery as per stipulations specified by the affiliating University given as follows:

- The subjects allotted to the teachers are as per their competency in that subject.
- ICT tools are used to enhance the learning experience.
- The faculty members are sent for training periodically.
- All the faculty members are encouraged to attend workshops, seminars and conferences conducted by ISTE/AICTE.

### 6.5.3 Does the college provide training to its staff for effective implementation?

Yes, the faculty and staff members are sent out for attending training programme conducted by academic staff college and other college of repute to enhance their skills.

#### 6.5.4. Does the college undertake Academic Audit or other external review?

Yes, the college under goes yearly academic audit called as Local Inspection Committee, which is controlled by the Shivaji University. A team of experts visit called as Local Inspection Committee, the College and makes a thorough inspection of all the laboratories and other infrastructure facilities before recommending extension of approval. The committee collects the essential information from student feedback, teaching and non-teaching faculty and LMC

### 6.5.5. How is the internal quality assurance mechanism aligned?

- The infrastructure and equipments required as per the AICTE and University norms is proposed by IQAC and academic committee.
- For assigning term work marks to the students a department wise policy is formed and publicized.
- The purchase of books and journals etc. is proposed by IQAC in consultation with the Library Committee.

### 6.5.6. What college mechanisms are in place to continuously review?

The following are some of the methods in place to continuously review.

- i) Feedback from the students about teaching
- ii) Audit of syllabus coverage report every month.
- iii) Mentoring the students in a batch wise manner periodically.

#### Outcome:-

- i) The faculty gets an input for improvement.
- ii) Ensures maximum coverage of curriculum in the classrooms.
- iii) Improvement in the performance of the students.

### 6.5.7. How does the college communicate its quality assurance Policies?

The college communicated the quality policies and mechanisms to stakeholders by way of prospectus, brochures college magazine, college newsletter etc.

- Vision and Mission statements are displayed on boards at prominent places in college campus.
- The digital display boards are also effectively used to promote and communicate quality initiatives internally.
- They are also communicated on other platforms like Parent-teachers meetings and staff review meetings.

- Circulars and notices sent to students too are important means to communicate the quality assurance policies, mechanisms and outcomes to various stakeholders.
- Principal Communicates this policies through the following forum:
- HOD Meeting
- Staff Meeting
- Meeting with the Management.

# Any other relevant information regarding Governance Leadership and Management which the college would like to include.

- The College has a Student Grievance Cell to look into grievance of students if any. The formation of Student's Grievance Cell is to promote and maintain a conducive and unprejudiced educational environment. It is a measure to develop responsive and accountable attitude among college officials to ensure that, there is no laxity in terms of fair-deal with the students. It is to deal with the complex situations in a tactful manner to lessen the condition felt to be oppressive or dissatisfied.
- There is an Anti-Ragging committee to look into the grievances and complaints of First Year students regarding ragging.
- Counselling and mentoring system is followed in the department to address the student's academic and Personal issues.
- To solve the students problem regarding exams i.e. result withheld, retotaling, revaluation.
- To solve the students problems regarding correcting the name, register number, date of birth, male or females, paper code etc. (in case of any mistake) through our head of the department and Principal.
- To make arrangement for students scholarship if there is any problem arises.

#### **CRITERION VII: INNOVATIONS AND BEST PRACTICES**

#### Preamble

Primary importance is given by the Management for development of eco-friendly atmosphere in the campus. The college has adopted various measures to maintain a green campus and helps in developing an eco-concern and environmental consciousness.

#### 7.1. Environment Consciousness

# 7.1.1. Does the college conduct a green audit of its campus and facilities? Yes, the college has planned to conduct a green audit of its campus and facility.

# 7.1.2. What are the initiatives taken by the college to make the campus eco-friendly?

The college has adopted different strategies to make the campus sustainable and environment friendly.

#### **Energy conservation:**

- Students and staff are briefed about the importance of energy conservation.
- Lights and fans are switched off when not required.
- Air-conditioners are used only at essential places.
- Awareness boards are displayed. LED lighting system is provided in new building.
- Implementation of virtualization at both server and desktop level for computing facility and shifting to TFT monitors.
- The UPS batteries are maintained in good condition which reduces frequent charging of batteries and hence controls power utilization.
- Periodical equipment checking and monitoring is carried out to avoid excess power consumption.
- Soft landscape on 50% area.

#### Use of renewable energy:

The collge has plans to use Solar Energy System.

### Water harvesting:

The new building of the college is to be provided with rain water harvesting facility to help in maintaining and improving the ground water table.

# Check dam construction: NA Efforts for Carbon neutrality:

All the faculties and students are informed to check their vehicles regularly for pollution control to restrict carbon emission and other hazardous wastages.

#### **Plantation:**

Trees are planted in the campus every year. 30% of the total open area is covered with trees, bushes and lawns. Tree plantation programs are conducted under NSS activities.

#### **Hazardous waste management:**

Department of Chemical Engineering is assigned with disposal and management of hazardous waste material produced in the college. Daily garbage is collected by sweepers and given to municipal corporation workers for disposal.

#### **E-waste management:**

Department of Electronics Engineering is assigned with disposal of E-waste produced in the college. The non-working computer spare parts, electronic scrap components and other nonworking equipments are safely disposed outside. The old electrical, electronics and computer spare parts, scraps, non-working equipments are discarded in the college due to obsolescence and are exchanged or sold to dealers or vendors.

#### 7.2. Innovations

# 7.2.1. Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

# (i) Students role in assuring quality of education imparted by the college

Student's representation is ensured in the bodies having student support activity like class committee, cultural and sports committee, NSS committee. The college has professional body with students as members like ISTE, CSI, IIA, IIID and IGBC student chapter. Students interact with industries and undergo in-plant training and do their project works. Department invites eminent scholars, academicians and industrialists for guest lectures. Department student associations organized symposia like INFINITY/ ANUKULAN/ICON/ TECHKRUTI/AAKAR etc., Industrial visits and Guest lectures are arranged at departmental level. Feedbacks are periodically collected from the student on teacher's performance to improve the teaching learning process. Class committee meetings are conducted regularly to ensure corrective measures in academic matter.

### (ii) The college has taken up the following initiatives to promote best practices in innovation and to ensure that they are internalized:

• Setting up of a feedback evaluation unit to carry out proper and timely analysis of feedback obtained from different stakeholders so that the information can be used in college decision-making.

- Planning of academic calendar maps to achieve greater integration of instruction and make lesson planning more effective.
- Providing LCD projectors in the classrooms.
- Providing audio-visual equipment to help create a richer classroom environment.
- Introduction of teacher-led students projects to create an interest in research among students.
- Encouragement to faculty research by supporting presentation of papers at seminar and conferences.
- Make community service compulsory for all students to provide a value orientation to the education it provides.
- Providing financial support to students from economically disadvantaged sections to facilitate their completion of studies.
- Providing for student representation in various committees (DISCOVERY, PROFEST) to give this important stakeholder component a share in decision making process.

# (iii) The college has added value to quality enhancement of students through adoption of the following measures:

- Use of multimedia learning resources and learning strategies like student seminar, discussion, collaborative learning and interdisciplinary teaching to create a rich classroom environment.
- Setting up student-activity groups to enable students to engage in activities which contribute to a holistic education.
- Providing opportunities for students to interact with community leaders, professional and other role models to develop a positive attitude.
- Involving students in the college extension activities to promote in them an attitude of service.
- Value-added courses like REVIT, Globe Arena, CAD and students work exhibition are arranged at department level.

### (iv) The following strategies have been adopted by the college to promote overall development of the students from rural background:

- Personal counseling by the faculty
- Tutorial / remedial classes.
- Improvement of communication skills through English language
- Personality development programmes.
- Soft skill development programmes.
- Coaching provided to the students for examinations like GATE/PG Courses/Competitive Exams.

#### (v) The key factors that attract students and stakeholders are:

• Excellent faculty members

- Excellent library facility with Internet and wide range of books
- Excellent infrastructure
- Wide choice of courses
- Excellent academic ambience
- Emphasis on computer learning and soft skill development
- Well maintained discipline.
- Well- connected Campus with Public Transport.
- Teacher-student relationship
- Placement and career counseling
- Sports and extra-curricular activities

# (vi)The following community-oriented programmes are periodically organized by the various departments of the college.

- Women Rights Awareness programme
- Health and hygiene Awareness programme
- Blood donation camps
- Road safety awareness programme
- Donation of used cloths to the orphan students.
- Donation of notebooks to the needy students.

As mentioned, additional coaching of subjects which are not covered under the syllabus is given through guest lecturers or training from the outside agencies. The system proves to be beneficial to the students and the students are able to understand more about the subject and able to score better in the examinations and achieve more placements.

- NPTEL videos are made available to the students.
- The parents are informed about the regularity of their wards in the classroom so that parents can take more care to make their son/daughters to attend maximum number of classes.
- Majority of the students projects are guided by the faculty and executed in the college.
- The college has a comprehensive placement and training philosophy which is executed through qualified staff and experts from outside.

#### **Best Practice: 1**

#### 1. Title:

Involvement of students and staff in extension activities.

#### 2. **Goal**:

To inculcate social responsibility among the students of our college.

#### 3. Context:

Social responsibility as an ethical frame work is the direct need of today. As citizens of the country, we have bounden duty to see that our

activities finally benefit the society at large. Students need to be sensitive towards social and environmental problems which are burning issues today. Motivation towards such issues will have a positive impact on the development of society and thereby the nation.

#### 4. The practice:

The extension activities of the College aim to address the community issues by sensitizing the youth and public through awareness programmes such as lectures, power point presentations, Street plays, demonstrations etc.

Students and teachers go to schools as resource persons with posters and PPTs:

- a. To educate them on various topics like Health and Hygiene, Environmental awareness, waste management etc.
- b. To develop scientific temper and to create interest in science through experiments.
- Programmes are often held in the College making use of our well equipped lab and museums for the high school students and teachers to update their knowledge. Science exhibitions, workshops, Basic Phonetics course in English for Montessori teachers etc. are organized by the college.
- The NSS is actively involved in extension activities such as Annual Blood Donation Camps, 'Swachcha Bharat Abhiyan', Pulse Polio movement etc. NSS students conduct camps in schools in nearby villages in which they interact with the community. They help the school and community by doing 'Shramadan' and holding awareness programmes. They further conduct a follow-up programme and develop a cordial relation with the community.

#### 5. Evidence of success:

- Good response and feedback from the schools and community. It acts like a link between the schools and the College.
- Schools also arrange visits to various departments of the college.
- School students have come to our College seeking admission after being inspired by these programmes.

#### 6. Problems:

Difficulty in finding slots when both the college and the schools are free, to engage in these activities.

#### **Best Practice: 2**

#### 1. Title

Mentor/Academic advisor System

#### 2. Objectives:

- To closely monitor the overall development of each student.
- To involve the parents in the progress of their wards.

#### 3. Context:

This practice provides a forum for the teachers and students to discuss their problems and to redress the grievances if any. Personal attention is given to students/wards.

#### 4. Practice:

- Each teacher is in-charge of approximately 25-30 students.
- A cumulative record is maintained for every student.
- The teacher/mentor periodically calls the students and their parents and enquires about their academic and personal well being.
- This provides an opportunity for both the students and the teacher to interact freely.
- Whenever there is any problem, it is attended to. The mentor/academic advisor plays a major role in motivating the wards.

#### **5. Evidence of success:**

- Many students have come up with problems and were able to solve them with the help of the mentors.
- Better performance in the examinations.
- Regularity in attending classes.
- The interactions enable the mentor to assess the family background, mental caliber, financial situation of the wards and recommend them for remedial classes, free midday meals, scholarships etc.

#### 6. Problems:

Parents, though initially reluctant to visit the college for various reasons, they do make an effort to visit the college frequently after due persuasion.

#### **Best practice: 3**

#### 1. Title: All-round Participation

#### 2. Objectives:

The goal of the institution is to make students multidimensional. Mere academic performance will not make a student ready for the industry or society. It is the duty of the institution to cater to the society/industry finished graduates who are complete packages with all-round skills and aptitudes. The reason for this is simple: any one dimensional graduate will be a liability to the society/industry, and it will be contrary to the institution's intention to produce such citizens. Multi-dimensionality will ensure that the graduate will adapt to any situation quickly and seamlessly. That is the need of the hour in the everchanging world that we live in, and that is why it is our primary goal.

#### 3. The Context

As an institution catering to students coming from varied backgrounds and skill levels, we have continuously faced challenges in implementing all-round participation in all fields by all our students. Student profiles range from undeveloped/rural to urban/metropolitan, regional-language-medium educated to English/convent educated, possessing abysmal communication skills to having excellent/world-class communication skills, and everything in

between. With such a wide range of student profiles to deal with, it is a full-time task for the management and faculty members to devise a plan to bring everyone under the same umbrella and ensure optimal participation in all activities that are necessary for the all-round personality development of students. In spite of the above difficulties, the institution has designed and successfully implemented guidelines for the practice of all-round participation over the last decade.

### 4. The Practice and Response

The institution's goal to ensure all-round participation, as already mentioned, has been implemented successfully. Over the last many years, the College conducts extracurricular, extramural, and sports activities to supplement academic activities as prescribed by the University. These activities include drawing, painting, face painting, singing, rangoli, dancing, skit, drama, cook without fire, flower arrangement, vegetable carving, conferences, seminars, workshops, debates, essays, extempore speeches, group discussions, etc. Sports activities include cricket, football, volleyball, shuttle badminton, swimming, athletics, etc. Particular slots are reserved for sports events in odd semesters and cultural activities in even semesters. Respective class teachers encourage students to participate in all activities, and registration opens atleast 3 days before the day of the competition. Sports like cricket, football, volleyball, etc., are conducted using the Round Robin League format between different semesters/courses. At the end of the semester, elimination rounds are conducted to decide the winning team/individual. Students are sent to inter-College, district-level, University level and statecompetitions based on merit shown in College-level competitions. Food, energy drinks, jerseys, etc. are provided to sportspersons who represent the College. A wide variety of extracurricular activities is conducted in even semesters to identify talented students. Prizes are distributed to winners on Annual Social Day by the Principal/Chairman. Winners in these competitions are sent to inter-College competitions conducted in other Colleges. The expenditure for such trips is borne exclusively by the College to encourage talented students. Community activities such as blood donation, community cleanliness/hygiene drive, diabetes (and other disease) awareness program, social cause awareness programs (advising public about the ill effects of smoking, drinking, drugs, etc.) have been very successful and have made students more sensitive to society and its needs. In this manner, we encourage our students to participate in all activities that help them in their all-round development.

#### **5. Evidence of Success**

We believe that hard work almost always results in success, sooner or later. This belief has been proven right by the results we have achieved over the last few years. Our students have excelled in every form of extracurricular activities, be it sports or cultural or any other. Our students have carved a niche for themselves with their extensive participation in all events.

#### **Best practice: 4**

# 1. Title of the Practice- Inculcating Social responsibility and Skill development

The College wishes to focus on the overall personality development of the students & Employees along with the academic excellence. Social responsibility and Skill development should be inculcated for empowerment of rural people and bringing them to meet social changes. Extension activities are made to promote Community linkage, Social Responsibility, Interaction with the people and Problem Analyzing and Solving Skills. The College is actively engaged right through the year in Individual Contribution to Society in conducting Awareness Programmes on several issues of social relevance like Blood Donation, Donation of funds and facilitating the rural people to computer literacy.

#### 2. Objectives:

- To make young minds ignited for innovation
- To Liberate the weaker sections of the rural areas from the shackles of the perennial, economic, social, political and educational constraints.
- To Engineer solutions for societal cause
- To provide social dimension to the educational system of the college and inculcate social responsibility and commitment in students.
- To identify and develop new assistive products for the clients
- To bring forth the team spirit and leadership qualities of the students and broaden their social outlook that will help them work for the welfare of the community.
- To identify projects suitable for patenting and commercialization
- To Restore gender equity and make available equal opportunities to emerge into full-fledged citizens who can take up new ventures.
- To undertake joint projects with international institutions and industry
- To expose students to industry culture and practices
- To inculcate in students a flair for problem definition and build problem solving Capability
- To provide hands-on training to students in contemporary industry tools and techniques
- To expose students to industry culture and practices
- To inculcate in students a flair for problem definition and build problem solving Capability
- To provide hands-on training to students in contemporary industry tools and techniques

#### 3. The Context:

In contemporary society, the students are highly ignorant about the problems of the society where they live. Therefore, it is realized that the

students must be sensitized about the society and extension activities are made mandatory for them. India is a country of villages with varying population and incredibly with lowest percentage of literacy. Ignorance and illiteracy estrange them from the fast moving hi-tech world. Hence it is imperative on the part of the college to extend their service and give exposure to the rural people for their benefit from the use of new technologies. The main challenge lies in the fact that we are dealing with rural population which is in a way voiceless and faceless because of their illiteracy. It makes them identify their strengths, weaknesses and be aware of social problems. It also creates awareness of the Government Welfare schemes. Despite best efforts at developing a curriculum for industry ready engineering graduates, a targeted and well-established approach towards bridging the gap between the talent pool and the demands of core engineering sectors still needs to be clearly defined. Attempts are being made in pockets to understand the industry need and address the same through add-on programs at the undergraduate level. However, the effectiveness of such programs critically depends upon thorough understanding of industry needs and skill requirements and developing programs, in collaboration with the concerned industry sectors, in order to fill the gap. Educational institutions typically tend to work in isolation with the demands of the industry leading to engineering content delivery being mostly textbook oriented and traditional. Students hardly ever get to understand or be exposed to state-of-the-art developments in their respective fields.

#### 4. The Practice:

The target groups in the villages face several problems regarding access to education, health facility, drinking water supply, power supply and transport.

- Donation of funds and facilities to Rural people
- Blood Donation Camp
- Remedial Classes for School Students
- Vote for Nation
- Computer awareness camps to Rural people
- Define industry sector requirements and identify potential skill development/training programs to augment student capability.
- Prepare a clear mapping of the curricular gaps with the proposed skill development program
- Identify available infrastructure with the department and propose additional facilities (if any) required. Identify faculty competency available in the department (if any) in the proposed area and/or propose faculty skill enhancement plan.

#### **5. Evidence of Success:**

• Students realized the challenges faced by the school drop outs in society. They have also realized the value and importance of education

for their upliftment. As a result, the dropouts from our college have declined drastically.

- The students develop the quality of integrity through the extension activity.
- The students volunteer to act as scribes for the visually challenged and physically challenged candidates in all the college and competitive exams.
- Student participation in various socio-cultural activities has greatly increased.
- Training programmes have been arranged to improve the skills of rural women for gainful employment. Awareness programmes are conducted for the marginalized women for their empowerment.
- Created opportunity for sharing the knowledge and experience of the senior citizens enabled people to avail the Government Welfare schemes like widow's pension, Voters ID, ID for the differently-abled etc.

#### **6. Outcome (Students)**

- The students have been exposed to social problems.
- They have been aware of their responsibilities and commitment to the society.
- The peer group relationship has been improved.
- The team work has been inculcated among the students.

#### 7. Problems Encountered and Resources Required:

When applied practically, a few gaps exist between the proposed methodology and practical implementation. This is mainly because of the financial constraints as each department is given budgetary allocations exclusively to meet costs of academic services which are curricular in nature. Hence the need for procurement of auxiliary infrastructure to meet the needs be carefully planned and administered properly.

#### Other best practices:

Students are encouraged to bring out the bulletins so that their thinking and writing abilities are improved. Each department has a notice board where articles contributed by students are displayed.

- Students are encouraged to participate in co-curricular and extracurricular activities not only in the college but also in competitions, fests organized by other colleges. These activities help in improving the overall personality of the students.
- Students' Council is formed every year. The members are selected as per the rules and regulations of the university. It acts like a bridge between the students and the faculty and enhances the communication between them.

- Every year blood donation camps in association with Medical College Hospital, are held. Students and faculty participate in large numbers. It inculcates a spirit of humanitarian help.
- Many of the staff members go as resource persons to address various academic and public forums to create awareness about the environment related issues.
- Guest lectures are arranged to supplement class room teaching.
- English speaking classes and practical online classes for English language learning are held. Students are trained in soft skills to empower them to compete in the job market. Group discussions, language quiz by students are organized, for this no extra fees are collected.
- The infrastructure of the college is made available to outsiders thereby making optimum use of the infrastructure. Programmes staged expose our students and staff to various cultural and social events.
- Seminars and workshops are held by departments every year.

#### 5. EVALUATIVE REPORT - DEPARTMENT WISE

#### **ARCHITECTURE**

1. Name of the department : Architecture

2. **Year of Establishment** : 1984

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):

Name of the Program	Year of Establishment
UG (Architecture)	1984

4. Names of Interdisciplinary courses and the departments/units involved:

Sr.	Name of Interdisciplinary course	Department
1	Communication skill	General Engineering
2	English Lab	General Engineering

- 5. Annual/ semester/choice based credit system (programme wise): Semester system
- 6. Participation of the department in the courses offered by other departments: Nil
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc.:
  - a) Seven day course with Norwegian students
  - b) Three day course with students of Manipal, Surat, Bangalore & Goa College of Architecture.
  - c) International workshop with NUS (National University of Singapore one day.
- 8. Details of courses/programmes discontinued (if any) with reasons:
  Nil
- 9. **Number of Teaching posts**

Post	Filled
Professors	1
Associate Professors	1
Asst. Professors	17+27*

<sup>\*</sup>Visiting faculty

# 10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Sr.	Nome	Name Qualification Designation S		Chasialization	Experience	
Sr.	Name			Specialization	Teaching	Professional
	Mr.Savant	B. Arch.,	Head of	Climatology		
1	Ravindra	M.C.A.,	Dept &	&	32	32
		D.B.M.,A.I.I.A	Asso.	Architectural	32	32
	Ganpatrao	FIIV,AIIID	Prof.	design		
2	Mr. Koli	B. Arch M.	Duefessen	Building	28	28
·,	Rajendra.B.	Arch, PhD	Professor	Services	28	28

3.	Mrs.Jirge Neela Deepak	B. Arch M.Arch	Asso. Prof.	Landscape & Architectural design	14	23
4.	Mr.Dudgikar Chidambar Sridhar	B. Arch M. Arch (General) M. Arch(Cont. Management)	Asst. Prof.	Acoustics & Architectural design	14	20
5.	Mr. Jadhav Indrajeet Shamkant	B. Arch M. Arch	Asst. Prof.	Graphics & Architectural design	19	23
6.	Mr. Pingale Tejas Bharat	B. ArchM. Arch sustainable Arch	Asst. Prof.	Sustainable	5	7
7.	Mr.Phadtare Shashikant Marutrao	B.E. Civil P. Dip T&C.P. (URP)	Professor	URP & Town Planning	15	31
8.	Mr Shaikh Noor-md Balasaheb	G.D. Arch	Professor	Building Construction	19	31
9.	Mrs. Mithari Madhugandh a A.	B. Arch M. Arch (Cont. Management)	Asst. Prof.	History of Architecture	12	12
10	Mrs. Patil Supriya M.	B. Arch M. Arch (Cont. Management)	Asst. Prof.	Basic Design	9	9
11.	Ar. Damugade Snehal Y.	B. Arch M. Arch	Asst. Prof.	Environmenta 1 design	6	6
12.	Mrs. Toraskar Vrushali Vivek	B. Arch M. Arch (Cont. Management)	Asst. Prof.	Building Materials	14	14
13.	Mrs. Gayatri D. Jadhav	B. Arch M. Arch (Cont. Management)	Asst. Prof.	Building Construction & Graphics	1	2
14.	Mr. Vinchu Gourav	B. Arch M. Arch. Pursuing	Asst. Prof.	Professional Practices	3	3
15	Mr. Prashant P. Patil	B. Arch M.Arch. (Urban Design)	Asst. Prof.	Environmenta 1 Services	1	1

Madhulika	B.Arch. M.Arch. (Cont. Management)	Asst. Prof.	Environmenta 1 Studies	2	5
Mrs. Devika Chivate	B. Arch M. Arch. Pursuing	Asst. Prof.	Building Services	1	1

## 11. List of senior visiting faculty

Sr.	Name	Qualification	Date of Joining	Specialization	Expe	Years Of erience Professional
					reaching	Professional
1	Ar. Sandeep A. Ghorpade	B. Arch.	2002	Working Drawing Interior Design	15	20
2	Ar. J. H. More	D. Arch.	1987	Workshop	10	30
3	Ar. N.D. Gurule	B. Arch	2012	Design	21	23
4	Ar. Sanjay Awate	B Arch	2011	Building Construction	12	22
5	Er. Mrs. Gouri Mhetar	B.E. M. Arch	2004	Structures & Estimation, Survey	11	15
6	Er. P.M. Hawal	B.E. M.E.	2010	Structure	20	25
7	Ar. Sudhir Doshi	B. Arch	2010	Design	15	30
8	Ar. Sharadchandra Moghe	B. Arch	2010	Design	28	31
9	Ar. Satisharaj Jagdale	B. Arch	2012	Design	08	39
10	Ar. Pramod Kulkarni	B. Arch	2005	Design	15	30
11	Prof. Pradip Bakare	G.D. Art	2011	Aesthetic and visual art	12	35
12	Ar. Shakeel R. Patel	B. Arch	2012	Building Construction	03	15
13	Mrs. Amita jadhav	M.A	2012	Communication Skill	5	-
14	Jagtap	M.A	2012	Communication Skill	10	7
15	Ar. Mahesh Rajadnya	B.Arch	2014	Design	14	25

16	Prof. Archana Desai	G.D. Art	2014	Aesthetic and visual art	15	20
17	Ar. Archana Deshpande	B.Arch, MBA	2013	Building Construction	5	20
18	Ar. Ashok R. Pungavkar	B.Arch.	2015	Architectural Design	5	40
19	Ar. Pravin A. Patil	B.Arch.	2015	Building Construction	2	20
20	Ar. Sunil V. Vichare	B.Arch.	2015	Building Construction	2	25
21	Ar. Suresh R. Deuskar	B.Arch.	2015	Building Construction	2	25
22	Ar. Priyanka A. Chougule	B.Arch.	2016	Landscape Design	1	2
23	Ar. Yuvraj M. Patil	B.Arch.	2015	Graphics	2	4
24	Ar. Sheetal S. Patil	B.Arch.	2015	Architectural Design	2	14
25	Ar. Aarti S. Bachche Patil	B.Arch.	2015	Architectural Design	2	4
26	Ar. Bhalchandra S. Patil	B.Arch.	2015	Architectural Design	2	10
27	Ar. Yeshwant M. Deshmukh	B.Arch. M.Arch.	2016	Architectural Design	2	21

- 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:NIL
- 13. Student Teacher Ratio (programme wise): 7:1
- 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Type of Staff	Sanction	Filled
Technical	3	3
Administrative	2	2

# 15. Qualifications of teaching faculty with D Sc/ D. Litt/ Ph. D/ M Phil / PG.

Degree	No of Faculty
M.Arch	14
Ph.D.	01
PhD. Pursuing	03
M.Arch. Pursuing	02

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Number of Faculty:- 01 (Prof. R.B. Koli, AICTE funds & Rajiv Gandhi National Fellow ship)

01 (Prof. I. S. Jadhav & Prof. N. D. Jirge Proposal Submitted)

- 17. Departmental projects funded by DST FIST; UGC, DBT, ICSSR, etc. and total grants received :- Proposals Submitted
- 18. Research Centre /facility recognized by the University:- Nil
- 19. Publications:

Sr.	Name of faculty	No of publications			ns
		IJ	NJ	IC	NC
1.	Prof R.G.Sawant	03	-	03	20
2.	Prof. R.B.Koli	02	02	02	06
3.	Prof. S.M.Phadtare	01	-	01	07
4.	Prof. C.S.Dudgikar	04	01	04	21
5.	Prof. I.S.Jadhav	05	-	05	08
6.	Prof. N.D.Jirge	04	-	04	14
7.	Prof. M.A.Mithari	03	-	03	15
8.	Prof. V.V.Toraskar	01	-	01	08
9.	Prof. Gayatri Jadhav	03	-	03	-
10.	Prof. S.M.Patil	01	-	01	09
11.	Prof. S.Y.Damugde	03	-	03	09
12.	Prof. Devika Chivate	02	-	02	-
13.	Prof. T.B.Pingle	03	-	03	14
14.	Prof. G.N.Vinchu	03	-	03	03
15.	Prof. Prashant Patil	01	-	01	-
16.	Prof. Madhulika Jagdale	02	-	02	-

#### 20. Areas of consultancy and income generated

Sr.	Area of Consultancy	2015-16	2014-15	2013-14	
1.	Renovation project	36300/-	2,700/-	40,000/-	
2.	Architectural Consultancy	1,65,000/-	•	4,70,000/-	
3.	Landscape consultancy	2,50,000/-	12,500/-	-	
4.	Interior Design consultancy	17,100/-	2,7 00/-	-	
		TOTAL=15,52,300/-			

#### a) Faculty as members in National committees:

Governor / University Nominee :-

- 1) Prof. R.G. Savant (For Building Works Committee Shivaji University)
- 2) Inspector on COA & AICTE Prof. R. G. Savant, Prof. R. B. Koli, Prof. C.S. Dudgikar, Prof. I. S. Jadhav, Prof. N. D. Jirge, Prof. M.A. Mithari
- b) International Committees :-

Nil

c) Editorial Boards. :- Prof. I.S. Jadhav

#### 21. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme: 100%
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: 100 %

#### 22. Awards / Recognitions received by faculty and students:

- a) Prof. R. G. Savant is the winner (second Prize) of Yashvantrao Smruti Bhavan State Level design competition, 1988
- b) Prof. R. G. Savant, Prof N.M. Shaikh, are the recipients of Best Teacher Award by Indian Institute of Architect Kolhapur Center.
- c) Prof. I.S. Jadhav is the winner of best Paper for NCETETA (National Conference on Emerging Trends in Engineering, Technology and Architecture) 2013 & has also won National award for editorship of bulletin of Kolhapur Center of The Indian College of Architects 'Kimaya' (13 December 2014). Number of students are winners of various design competitions like Archi Design, Birla White Yuva Ratna, Techno Fest, Transparenc & competition in Zonal & Annual NASA.
- d) Prof. Madhugandha A. Mithati winner of best paper in iCETETA-2017.
- e) Gouri Yadhav, a student of architecture department won the design competition of Logo and Gate design for Shivaji University golden Jubilee.
- f) Pune Biennale Foundation subject accommodating the Melange-2 National Competition Won by Sidharth Waze & Saqib Mulla of S.Y.B.Arch.

# 23. List of eminent academicians and scientists / visitors to the department

Eminent architect of national and International repute conduct lectures, seminars and workshops, like Ar. Abhijit Natu (Research Methodology), Ar. Chi Ti Nan, China (Micro Urbanism), Ar. Burham, Australia (Concept Design), Ar. James Law, Singapore(Exposure to International Design Practice.), Ar. Karan Grover (Design Development), Ar. Christoper Benniger (Design Development), Ar. Haffeez Contractor(City Development), Ar. Shirish Beri (Thesis design), Ar. Poorva Keskar & Ar. Pranati Shroff (IGBC Inaguration Of Student Chapter And Awareness Programme On Green Buildings), Ar. Pramod Beri (Eternal Principles of Architecture), Ar. Gaurang Lele & Mr. Jawadekar (IGBC Inaguration Of Student Chapter And Awareness Programme) Ar. David Tokiwa Singapure presentation on interior design projects.

#### 24. Seminars/ Conferences/Workshops organized & the source of funding

#### a) National

Department organizes various Seminars, Conferences, Workshops funded by the college. Seminars, Conferences, Workshops like National Conference On Emerging Trends In Engineering Technology And Architecture (NCETETA), Sustainability Awareness Workshop By Ar. S. L. Kholatkar, Genesis Workshop by Mr. Irfan Shaikh, Seminar On Green And Sustainable Aspects In Building By Ar. Amarja Nimbalkar are conducted effectively

### b) International

Sr.	Seminars/ Conferences/Workshops	Date
1.	Slide Show By Ar. David Tokiwa	April 2016
2.	Slide Show By Ar. James Law, Singapur.	5-3-2010

## 25. Student profile programme/course wise:

Sr.	Name of the	Year	Applications	Selected	Enrolled		Pass
	Course/ programme		received		*M	*F	Percentage
	•						They are in
1	Architecture	2016-17	100	83	39	44	First Year
2	Architecture	2015-16	98	80	37	43	They are in
	Themteetare	2013 10	70	00	31	٦,	First Year
3	Architecture	2014-15	96	80	25	55	They are in
3	Architecture	2014-13	90	80	23	5	Second Year
4	Architecture	2013-14	94	80	36	44	They are in
4	Architecture	2013-14	) <del>94</del>	00	30	44	ThirdYear

### 26. Diversity of Students

Sr.	Name of the Course	Year	% of students from the same state	% of students from other States	% of students From abroad
1	Architecture	2016-17	96	04	-
2	Architecture	2015-16	99	01	
3	Architecture	2014-15	99	01	_
4	Architecture	2013-14	98	02	_

# 27. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Sr.	Year	No of Students (GRE +GATE)
1	2015-16	8
2	2014-15	6
3	2013-14	4

## 28. Student progression

Student Progression	2015-16	%	2014-15	%	2013-14	%	%
UG to PG	4	19	4	19	6	21	21
PG To Ph.D	-	-	-	-	-	-	_
Entrepreneurship	18	81	18	81	23	79	79

#### 29. Details of Infrastructural facilities

a) Library

1) Titles - **2782**2) No. of Volumes - **5042**3) National journals - **09**4) International journals - 03
5) E-journals - 01

- b) Internet facilities for Staff & Students
  - 1) 10 Mbps leased line with internet and WIFI Campus
  - 2) Separate Computer Labs for Architecture Department
  - 3) Each Faculty with System and Internet Facility

c) Class rooms with ICT facility: 5

d) Laboratories : 02 +04

# 30. Number of students receiving financial assistance from college, university, government or other agencies

Year	Types of Assistance	No of students
2016-17	Government	53
2015-16	Government	54
2014-15	Government	45
2013-14	Government	46

#### e) Scholarship for the year 2015-16

Year	Types of scholarship	State /central	No of students	Amount of scholarship
2016-17	Social Welfare	State Govt.	53	37,50,000/-
2015-16	Social Welfare	State Govt.	54	22,31,302/-
2014-15	Social Welfare	State Govt.	45	23,61,647/-
2013-14	Social Welfare	State Govt.	46	23,56,605/-

# 31. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.

Students enrichment programmes enhancing creativity, academic excellence are conducted by the department. To name a few Personality Development (Mrs. Amita Jadhav & Dr. Sujata Jagtap), Design Development (Ar. Sunil Patil , Ar.Shirish Beri, Ar. Harshad Bhatia), Architectural thesis (Ar. Manoj Paralekar), Form Follows Feelings (Ar. Pramod Beri), Origami And Calligraphy (Mrs. Teja Kharat).

#### 32. Teaching methods adopted to improve student learning

- **1.** Blackboard and modern means of teaching like PPT, Audio visual, video library.
- **2.** Presentation post national and international study tours, case study, site visit, market surveys.

- **3.** Midterm test, end term test, conveyance of results to parents and conduction of parents meet.
- **4.** Course committee and feed back for progressive academics
- **5.** Remedial classes, student counseling.
- **6.** Organizing annual exhibition for interaction with students of other colleges, professionals, alumni, parents, etc.
- **7.** Expert lectures, seminars, workshops, by nationally and internationally renowned architects.
- **8.** Value added certified courses.
- **9.** Studio interaction with other state university colleges.

# 33. Participation in Institutional Social Responsibility (ISR) and Extension activities

- 1. NSS Camp.
- **2.** Blood Donation Camp.
- **3.** Aakar handicap helper's drive.
- **4.** Aakar save girl child drive.
- **5.** Aakar protect the environment drive.
- **6.** Aakar cleanliness drive.
- 7. Island development of Kolhapur City.
- **8.** Jayanti Nala Development Proposal to Kolhapur Municipal Corporation.

### 34. SWOC analysis of the department and Future plans

#### a) Strengths

- Highly qualified, experienced, sincere and dedicated faculty blending their professional experience and academic skills.
- Conducive modern infrastructure, promoting academic, creative and soft skills and also academic and behavioral discipline.
- Highly resourceful library and a well equipped computer laboratory with latest software.
- Value added certified courses like Revitt, IGBC and an in house Gate cell
- Lectures, seminars, workshops conducted by eminent architects holding national and international repute.
- Effective teaching learning process promoting academic excellence and curricular, co-curricular and extracurricular development.
- Participation of students in NASA, NIASA Thesis competition, national and international design competitions, workshops, Aakar etc.
- Consistent interaction with professional bodies like IIA, IIID, AE, Alumni.
- Case studies, site visits, market surveys, their report generation and presentation.
- National and international study tours creating awareness of

current construction and architectural techniques.

- Active research cell, national and international publications by faculty
- Consistently excellent university results, university
- Rank-holders, 100% placements.
- Participation in National and International Architectural competitions.
- Interaction with other University Architecture Colleges.

#### b) Weakness

Restricted space for construction yard

#### c) Opportunities

- Starting new PG courses to cater to current architectural demand.
- Smart city laboratory.

### d) Challenges

Late updation of syllabus.

#### **CHEMICAL ENGINEERING**

1. Name of the department: Chemical Engineering

2. Year of Establishment : 1997

- **3.** Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) **:B.E.** (Chemical Engineering)
- **4.** Names of Interdisciplinary courses and the departments/units involved :Nil
- **5.** Annual/ semester/choice based credit system (programme wise):**Semester** based system
- **6.** Participation of the department in the courses offered by other departments : Nil
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc. :

Name of Company	Collaboration	Activities
Rastriay Fertilizers Ltd.,	Industry Institute	Training Programme of
Chembur Mumbai	Interaction	Students, Faculty, Guest
		Lectures, Industrial Visits,
		Project work, etc.
Mayura Steel Industries,	Industry Institute	Constancy, Students
Kolhapur	Interaction	Interaction, Courses, Guest
		Lectures, Social Activities,
		etc.
Rastriay Fertilizers Ltd.,	Industry Institute	Training Programme of
Thal, Alibagh	Interaction	Students, Faculty, Guest
		Lectures, Industrial Visits,
		Project work, etc.
Equinox Environment (I)	Industry Institute	Training Programme of
Pvt. Ltd., Kolhapur	Interaction	Students, Faculty, Guest
		Lectures, Industrial Visits,
		Project work, etc.

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of teaching posts

Post	Filled
Professor	01
Associate Professor	00
Asst. Professor	09

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Specialization	Experience
Prof. (Dr.) K.	Ph.D. (Chemical	Petroleum Engg.&	
T. Jadhav	Engg.)	Polymer	17.5 yrs
	M.E. (Chemical Engg.)	Technology	

Prof. A. L.	Ph.D. Pursuing	Catalysis, Reaction	16.5 yrs
Jadhav	M.E. (Chemical Engg.)	engg.	10.5 yrs
Prof. R. A.	Ph.D. Pursuing	Modeling &	
Patil	M.E. (Chemical Engg.)	Simulation in	15.5 yrs
		Chemical Engg.	
Prof. L. V.	Ph.D. Pursuing	Process & Plant	15 5 xmg
Malade	M.E. (Chemical Engg.)	Design	15.5 yrs
Prof. R. D.	Ph.D. Pursuing	Fluid Mechanics,	
Mahajan	M.Tech.	Petrochemical Tech.	9.5 yrs
	(Petrochemical		9.5 yrs
	Technology)		
Prof. A. V. Patil	M.E. (Chemical Engg.)	Chemical Process	
		Synthesis	8.5 yrs
Prof. M. A.	M.E. (Chemical –	Numerical Methods	
Patil	Engg.)	& Computational	4 yrs
		Techniques	
/Prof. A. N.	M.E. (Chemical -	Advanced	
Magdum	Appearing)	Separation	1 yr
		Techniques	
/Prof. R. R.	M.E. (Chemical -	Thermodynamics	2.5 yrs
Shinde	Appearing)		2.5 yıs
/Prof. F. M.	M.E. (Chemical -	Petroleum Engg.	2.5 yrs
Bagwan	Appearing)		2.5 yrs

11. List of senior visiting faculty:

Name of Faculty	Name of Institute /	Subjects
	University	
Prof. M. N. Patil	Institute of Chemical	Mass Transfer, Unit
	Technology, Mumbai	Operation
Prof. Sanjay	Indian Institute of Technology,	Separation Techniques,
Mahajani	Mumbai	Ultrasonic

- **12.** Percentage of lectures delivered and practical classes handled (programme wise)by temporary faculty:**50%**
- 13. Student Teacher Ratio (programme wise):14:1
- 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Number of academic support staff (technical)	03

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D. / MPhil / PG.

NT	0 1'6' 4'
Name	Qualification
Prof. (Dr.) K. T. Jadhav	Ph.D. (Chemical Engg.)
	M.E. (Chemical Engg.)

Prof. A. L. Jadhav	Ph.D. Registered
	M.E. (Chemical Engg.)
Prof. R. A. Patil	Ph.D. Registered
	M.E. (Chemical Engg.)
Prof. L. V. Malade	Ph.D. Registered
	M.E. (Chemical Engg.)
Prof. R. D. Mahajan	Ph.D. Registered
	M.Tech.(Petrochemical Technology)
Prof. A. V. Patil	M.E. (Chemical Engg.)
Prof. M. A. Patil	M.E. (Chemical Engg.)
Prof. A. N. Magdum	M.E. (Chemical Engg.)
Prof. R. R. Shinde	M.E. (Chemical -Appearing)
Prof. F. M. Bagwan	M.E. (Chemical -Appearing)

- 16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil
- 17. Departmental projects funded by DST FIST; UGC, DBT, ICSSR, etc. and total grants received

Sr.	Project Title	Principal Investigator, Designation with dept	Funding agency	Amount	Year
1	Modernization	A.L. Jadhav	AICTE, New	1100000	2011-12
	of Mass	Assistant	Delhi		
	Transfer	Professor			
	Laboratory	Chemical Engg.			
		Department			

- 18. Research Centre /facility recognized by the University: NIL
- 19. Publications:

Name of Faculty	No .of Publications			ns
	IJ	NJ	IC	NC
Prof. (Dr.) K. T. Jadhav	5	-	8	12
Prof. A. L. Jadhav	2	-	5	12
Prof. R. A. Patil	1	-	4	14
Prof. L.V. Malde	1	-	3	16
Prof. R. D. Mahajan	3	-	6	13
Prof. A. V. Patil	1	-	3	8
Prof. M. A. Patil	2	-	1	2
Ms. A. N. Magdum	2	-	3	1
Ms. R. R. Shinde	1	-	1	2
Ms. F.M. Bagwan	1	-	1	1

- 20. Areas of consultancy and income generated: Nil
- 21. Faculty as members in a) National committees b) International Committees c) Editorial Boards: Nil

### 22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme: 90%
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: 10%

# 23. Awards / Recognitions received by faculty and students For faculty:

Year	Name of Faculty	Achievements	State
			/National/International
			iCETETA2017
2016-17	Prof. L. V. Malade	Best Paper award	(International
			conference)
2015-16	Duef I V Melede	Doct Donor oward	NCETETA 2015
2013-10	Prof. L. V. Malade	Best Paper award	(National conference)
2014-15	Prof. K. T. Jadhav	Doct Donor oward	NCETETA 2014
2014-13	F101. K. I. Jadilav	Best Paper award	(National conference)

#### For students:

	State/National/		
Year	Name of Student	Name of Activity	International
2016-17	Mohit Katare, Krushank Laddad, Mukul Bhure & Rushikesh Tatte	3 <sup>rd</sup> prize in  Model  Competition	National
2016-17	Krushank Laddad & Aditya Bhopale	1 <sup>st</sup> Prize in Dextures Lab.	National
2016-17	Vaishanvi Kanitkar	1 <sup>st</sup> Prize in Chess Competition	State
2016-17	Rushikesh Pawar	2 <sup>nd</sup> prize in Badminton	State
2016-17	Chetan Ambekar & Shubham Tanpure	& Shubham  1st Prize in Innovision 2K17	
2015-16	Shreya Deshpande	Best outgoing student	College
2015-16	Mukul P. Bhure	2 <sup>nd</sup> Prize in Model Exhibition	National
2015-16	NitinVasekar	First Prize in Quiz up	National
2015-16	ChetanAmbekar	First Prize in NIRMITI2K16	National
2015-16	ChetanAmbekar	First prize in Essay Writing	Institute

	Preeti Kadam, Nikhil Moruskar,	1 <sup>st</sup> Prize in	
2014-15	Manoj Suradkar	Project	National
		Competition	
	Monali Tambulkar, Usha Waghmare, SunitaTarange	1 <sup>st</sup> Prize in	
2014-15		Poster	National
		Competition	
		1 <sup>st</sup> Prize in	
2013-14	Vijay Garud, KalyanKhedkar	Project	National
	-	Competition	

## **24.** List of eminent academicians and scientists / visitors to the department

Sr.	Date of Visit	Eminent persons visited and interacted with faculties and students
1	18/03/2017	Mr. Mahesh Kakade, COE, Shivaji university Kolhapur.
2	14/09/2016	Mr.Shitalkumar Rawandale, TPO, PCCOE Pune.
3	02/02/2015	Prof. GuoPeng, Mr. Liu Thao& Mr. Zong from China
4	14/02/2015	Prof. (Dr) Sanjay Mahajani and Prof. Patankar, Professors of IIT – B, Powai.
5	14/06/2014	Prof. (Dr.) G. D. Yadav, Vice-Chancellor, Institute of Chemical Technology (ICT/UDCT), Mumbai
6	25/01/2014	Prof. (Dr.) Vijay Babu, Head, Department of Chemical Engg., BATU, Lonere
7	14/03/2013	Dr.Shivram Bhoje, Scientist, BARC
8	27/08/2013	Prof. (Dr.) S. S.Bhagwat, H. O. D. (Chemical Technology), ICT. Mumbai
9	19/03/2013	Prof. (Dr) Yogesh Mahajani, Professor in Chemical Engg. at IIT, Bombay.
10	08/09/2012	Dr.V.K.Rathode (T&P Officer, Chemical Engineering Department, I.C.T., Mumbai)

# **25.** Seminars/ Conferences/Workshops organized & the source of funding a) National

Sr.	Date	Name of the Activity	Sponsoring Agency / self sponsored
1	18/03/2017	TECHNOCHEM 2017 – A National Level Technical Event	Self sponsored
2	29/2/2016 to 5/3/2016	Training Program on Aspen Plus Software	Self sponsored

3	17/9/2016	Training Program on Aspen Plus	Self
3	17/7/2010	Software	sponsored
4	17/09/2016	One day workshop on Gas	Self
4	17/09/2010	Chromatography	sponsored
5	14/02/2015	One day workshop on Curriculum	self
3		Development in Chemical Engg.	sponsored
	14/02/2015	TECHNOCHEM 2015 – A	Self
6	14/03/2015	National Level Technical Event	sponsored
	10/02/2014	One day workshop on	Self
7	10/02/2014	"Expectations of Industries from	sponsored
		Fresher Chemical Engineers"	-
8	16/03/2014	TECHNOCHEM 2014 – A	Self
	10/03/2014	National Level Technical Event	sponsored
	10.00/00/00/1	STTP on "Fluid Flow & Unit	Self
9	19-20/09/2014	Operations with Plant Visit" at	sponsored
		RCF Ltd., Mumbai	~F
1.0	10/02/2014	One day workshop on expectations	TOTAL 1
10	10/02/2014	of industries form fresher chemical	ISTE sponsored
		engineers	0.10
11	19-24/08/2013	Training Program on Aspen Plus	Self
		Software	sponsored
10	6.7/00/2012	STTP on "Fluid Flow & Unit	Self
12	6-7/09/2013	Operations with Plant Visit" at	sponsored
		RCF Ltd., Mumbai	1

b) International: Nil

26. Student profile programme/course wise: Name of the Course: Chemical Engineering

	Chemical Engineering						
	Academic	Applications	Selected	Enrolled			
	Year	Received		Male	Female		
Ī	2016-17	60					
Ī	2015-16	60					
Ī	2014-15	60	42	30	12		
Ī	2013-14	60	33	27	06		
Ī	2012-13	60	48	41	07		
Ī	2011-12	60	55	43	12		

<sup>\*</sup>M = Male \*F = Female

## 27. Diversity of Students

Name of the Course: Chemical Engineering

Academic Year	% of the students from the same state	% of the students from other states	% of the students from abroad
2016-17			
2015-16			
2014-15	100	-	-
2013-14	100	-	-

# 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Year	Examination	Appeared	Qualified
	CAT	Nil	
2016 17	GATE / GRE / TOEFL	23	01
2016-17	GMAT	Nil	
	Central / State Services	Nil	
	CAT	Nil	
2015-16	GATE / GRE / TOEFL	23	
2013-10	GMAT	NII	
	Central / State Services	Nil	
	CAT	Nil	
2014-15	GATE / GRE / TOEFL	06	01
2014-13	GMAT	Nil	
	Central / State Services	Nil	
	CAT	Nil	
2013-14	GATE / GRE / TOEFL	20	01
2015-14	GMAT	Nil	
	Central / State Services	Nil	
	CAT	Nil	
2012-13	GATE / GRE / TOEFL	22	01
2012-13	GMAT	Nil	
	Central / State Services	Nil	
	CAT	Nil	
2011-12	GATE / GRE / TOEFL	02	01
2011-12	GMAT	Nil	
	Central / State Services	Nil	

### 29. Student progression

	Against % enrolled							
<b>Student Progression</b>	2016-	2015-	2014-	2013-	2012-	2011-		
	17	16	15	14	13	12		
UG to PG			07	05	10	04		
PG to M.Pill.			N.A.	N.A.	N.A.	N.A.		
PG to Ph.D.			N.A.	N.A.	N.A.	N.A.		
Ph.D. to Post-			N.A.	N.A.	N.A.	N.A.		
Doctoral			IN.A.	N.A.	IN.A.	IN.A.		
Employed Campus			1	2	11	13		
Selection	01	3	&3	&4	&6	&11		
Other than campus		&32	8.3	<del>&amp;4</del>	α0	<b>&amp;</b> 11		
recruitment								
Entrepreneurship/Self	01		02		02	01		
employment	U1		02	_	02	U1		

#### 30. Details of Infrastructural facilities

### 31. Library - Yes

No. of Books: 988

Technical Books	Personality Development Books	Competitive Exam Books
746	167	75

(CDs, Project Reports, Magazines, News Papers etc.)

32. Internet facilities for Staff & Students: Yes, Bandwidth: BSNL- 10 mbps, NKN-50 mbps,

### Wi-Fi facility available

#### 33. Class rooms with ICT facility:

2 class rooms with LCD

#### 34. Laboratories

Sr.	<b>Facilities</b>	Area (M²)
1	Heat Transfer Lab.	74.81
2	Process Dynamics & Control Lab.	55.57
3	PI & IMA Lab.	30.78
4	Mass Transfer Lab.	82.76
5	Chemical Reaction Engg. Lab.	44.13
6	Fluid Mechanics Lab.	56.53
7	Computer Lab	50.88
	Total	395.46

### b) Staff Cabins

Sr.	<b>Facilities</b>	Area (M²)
1	Staff Cabins (8 No.)	97.80

31. Number of students receiving financial assistance from college,

university, government or other agencies

Sr.	Type of	Funding	Tota	Total No. of students who have received				
	Scholarship	Agency			financi	al aid		
			2016-	2015-	2014-	2013-	2012-	2011-
			17	16	15	14	13	12
1	SC/ST Free ship& Scholarship	State Govt.			22	24	25	30
2	Other (NT, OBC, SBC, EBC)	State Govt.			31	67	85	42
3	Handicap	State Govt.			ı	ı	ı	ı
4	Minority	Central Govt.			-	-	ı	1
5	J&K	Central Govt.			1	ı	ı	ı

9	TFWS	- Total	53	103	124	12 <b>84</b>	12	12
8	GOI	-			-	-	2	_
7	Defense	-			-	-	-	-
6	GATE	Central Govt.			1	-	-	-

# **32.** Details on student enrichment programmes (special lectures /workshops /seminar) with external experts

Year	No. of training programme and workshop	Name of training programme and workshop	Date of the activity	The class for which activity was conducted	No. of Student Participated
		TECHNOCHEM 2017	18- 19/03/2017	SE,TE,BE	550
		Training Programme on GATE preparation	31/12/2016 - 15/01/2017	B.E.	15
		Engineer's Day Celebration	20/09/2016	SE,TE,BE	43
		R.C.F. Training	8- 9/09/2016	TE	39
2016 -17	7 Programs 1Workshop	Teacher's Day Celebration	07/09/2016	SE,TE,BE	43
		One Day Work shop on "Gas Chromatography ".	27/08/2016	BE	25
		Training Program on Aspen Plus Software	10- 18/08/2016	BE	25
		Seminar by Prof. Dr. G. D. Yadav	21/05/2016	SE,TE,BE & Other Students	500
		Foundation Day	05/04/2016	SE, TE, BE	100
		Training Program on Aspen Plus Software	16- 19/03/2016	BE	30
2015 -16	6 Programs 1Workshop	Training Program on Aspen Plus Software	29- 5/03/2016	BE	28
		One Day Work shop on "Enhancement of Interpersonal	23/10/2015	SE,TE, BE	100

		skills & keys to crack HR Interviews".			
		R.C.F. Training	22- 23/09/2015	TE	28
		Engineer's Day Celebration	15/09/2015	SE, TE, BE	58
		Teacher's Day Celebration	05/09/2015	SE,TE, BE	79
		Foundation Day	05/04/2015	SE, TE, BE	100
		One Day Work shop on "Curriculum Development in Chemical Engg.".	14/02/2015	SE, TE, BE	100
2014	6 Programs	R.C.F. Training	19- 20/09/2014	TE	35
2015	1Workshop	Engineer's Day Celebration	15/09/2014	SE, TE, BE	51
		Teacher's Day Celebration	05/09/2014	SE, TE, BE	60
		Seminar by Prof. Dr. G. D. Yadav	14/06/2014	SE, TE, BE & Other Students	500
		TECHNOCHEM 2015		SE, TE, BE	550
		Foundation Day	05/04/2014	SE, TE, BE	60
2013 - 2014	5 Programs 1Workshop	TECHNOCHEM 2014	16- 17/03/2014	SE, TE, BE & Other Students	550
		One Day Workshop	10/02/2014	TE, BE	100
		R.C.F. Training	06- 07/09/2013	TE	40
		Training Program on Aspen Plus Software	19- 24/08/2013	BE	25
		Teacher's Day Celebration	05/09/2012	SE, TE	60

		Training Program on Aspen Plus Software	25- 30/03/2013	BE	28
		Foundation Day	30/03/2013	SE, TE, BE	100
2012	012 - 6 Programs	Technochem 2013 - Technical Event	16- 17/03/2013	SE, TE, BE	500
2013	_	Inauguration of Aspen Plus Software	14/01/2013	Principal & Faculties	10
		Engineer's Day Celebration	15/09/2012	TE	46
		R.C.F. Training	10- 11/09/2012	TE	44

## **Expert lectures**

Sr.	Guest	Subject	Date	Students
	Vasant D.	Awareness Programme in the	07/03/2017	28
	Mestry	Engineering Students		
	Gaurav	campus recruitment process		
	Magdum &		24/02/2017	15
	Priti Kadam			
2016	Mr. Mandar	Preparation & importance of	30/07/2016	78
_	Deshpande	GATE examination	30/07/2010	78
2017	Mr. Sunil	Piping engineering & related	02/08/2016	48
	Powar	softwares	02/00/2010	10
	Dr. A. A.	Stress Management, relif&	26/08/2016	75
	Dhaibhate	yoga	20/00/2010	7.5
	Prof. (Dr.) G	AbhiyantrkichyaNavyaWata		
	D Yadav	Ani Chemical Engg.	21/05/2016	350
		CheMahatav		
	Mr. Sachin Patil	Entrepreneurship & Project	09/09/2015	100
2015	Mr. Ravi	Scope of Chemical Engg. &	27/07/2015	36
-	Satpute Dr. A. A.	Opportunities in refinery Stress Management &		
2016	Dhaibhate	importance of yoga in life	31/07/2015	55
	Mr. Rahul Wadibhasme	Computational Dynamics & Gate 2016	31/10/2015	39

	Dr.	Intellectual Property Law	17/00/2014	60
2014 - 2015	Geettanjali	and Management	17/09/2014	
	Deshmukh Mr.Mandar Deshpande	Importance and Preparation of GATE Examination	17/01/2014	60
	Prof. Guo Peng, Mr. Liu Thao & Mr. Zong	Awareness of Lost Foam Ar. Process Casting & Rapid Ar. Prototyping		100
	Prof.(Dr) Sanjay Mahajani	Importance of Chemical Engineering	14/02/2015	100
	Dr. Sandip Patil	Soft Skills	07/03/2015	70-10
2013 - 2014	Mr.Shantara Scope of Autocad for Chemical Engineering		12/09/2013	60
	Dr. S. S. Bhagwat Scope of chemical engineering in various field and research and Development activity		27/08/2013	50
	Prof. (Dr.) Preparation of GATE Vijay Babu Examination		25/01/2014	More than 5
	Mr. R. R. Gaikwad	Need of Constructive Approach while working as a fresher Chemical Engineer	25/03/2014	-
	Mr. Aditya Kashid	Preparation of Interviews	3/02/2014	100
	Mrs. Monali Dhavale and Staff from Elixir Academy, Kolhapur  Interview Techniques, Telephone Etiquettes and Group Discussion		18/08/2012	50
	Dr. V. K. Rathod	Project Activity, Research & Scope of Chemical Engg.	08/09/2012	50
2012 - 2013	Dr. Ashvini Nirukhe	Importance, Scope and Opportunities of PhD.	30/10/2012	30
	Mr. A. Sreenath Sundaram	Scope of chemical engineering	04/01/2013	30
	Mr. Girish Babar &Ranjit Dhumal	Scope of chemical engineering in various field and research and Expectation of Industries from Fresher's	09/02/2013	60
	Dr. Sachin Potdar	Mind Power and Hypnotherapy	05/03/2013	100
	Dr. Yogesh Mahajani	Distillation	19/03/2013	100

	Mr. Rahul Ambapkar	Interview techniques & Soft Skills	23/07/2011	100
2011	Mr. AmolPatil	TT		60
2012	Mr. Prasad Mantri	Entrepreneurship Development and Expectation of industry from fresh Engineer	31/03/2012	60

### 33. Teaching methods adopted to improve student learning

- Multimedia Presentation
- Use of ICT
- Interactive teaching
- White Board for tutorial
- Group Discussions

# 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

**NSS Camp** 

#### 35. SWOC analysis of the department and Future plans

#### a) Strengths

- Qualified, Competent and Committed teaching and non teaching staff.
- State of the art laboratories
- Adequate computing facility

#### b) Weakness

- Quality of students
- R & D funds
- Consultancy

#### c) Opportunities

- Establishment of training programmes for teaching staff
- Establishing a state-of -art research center
- Enhancement of industry-institute interaction activity

#### d) Challenges

- Students placement
- Project developments for society needs

#### Road Map/Future plan

- To establish post graduate/research centre
- To increase consultancy work
- Generation of research funding
- Up gradation of faculty qualification

#### **CIVIL ENGINEERING**

1. Name of the department: Civil Engineering

2. Year of Establishment : 1985

- 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG
- 4. Names of Interdisciplinary courses and the departments/units involved : NIL
- 5. Annual/ semester/choice based credit system (programme wise): Semester system
- 6. Participation of the department in the courses offered by other departments:

Conduction of Lab Practicals for the following subjects

- i. Strength of materials : Mechanical, Production, Chemical Engineering
- ii. Fluid Mechanics: Mechanical, Chemical Engineering
- iii. Applied Mechanics and Basic Civil Engineering: Mechanical, Production, Computer Science, Information Technology, Electronics Engg., Chemical Engineering
- iv. Surveying: Architecture
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
- 8. Details of courses/programmes discontinued (if any) with reasons: N.A.
- 9. Number of Teaching posts:

Teaching Post	Filled	
Professors	Nil	
Associate Professors	5	
Asst. Professors	21	

# 10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Sr.	Name of Faculty	Designation	Qualification	Specialization	Experience (in years)
1.	Prof. Milind J. Patil	Asso. Prof.	M.E.	Hydraulic Engg.	30
2.	Prof. Shrikant P. Jadhav	Asso. Prof.	M.Tech. PhD Scholar	Water Resources	28
3.	Prof. Jalandar D. Patil	Asso. Prof.	M.Sc PhD Scholar	Engg. Geology	30
4.	Prof. Sadanand B. Sabnis	Asso. Prof.	ME (Pursuing)	Construction Management	28

5.	Prof. Abhay M. Joshi	Asso. Prof.	M.E.	Construction Management	26
6.	Prof. Vijay B. Awati	Asst. Prof.	M.E. (Pursuing)	Environmental Engg.	10
7.	Prof. Vijay K. Chopdar	Asst. Prof	M. Tech.	Environmental Engg	12
8.	Prof. Vivekanand G. Shetti	Asst. Prof	M.E.	Structures	11
9.	Prof. Miss. Supriya S. Chavan	Asst. Prof	M.E.	Town Planning	3
10.	Prof. Nitish A. Mohite	Asst. Prof	M.E.	Structures	5
11.	Prof. Miss. Swapnali S. Patil	Asst. Prof	M.E.	Environmental Engg	3
12.	Prof. Sudarshan A. Salokhe	Asst. Prof	M.Tech.	Structures	2
13.	Prof. Shivprasad P. Chavan	Asst. Prof	M.E.	Structures	5
14.	Prof.Ranjeet B Dongale	Asst. Prof.	M.Tech	Geotech.	3
15.	Prof. Nilam J. Jadhav	Asst. Prof.	M.E.	Construction Management	4.5
16.	Prof. Pawan A. Nadgoda	Asst. Prof.	M.E.	Construction Management	3
17.	Prof. Priya K. Figveredo	Asst. Prof	M.E. PhD Scholar	Environmental Engg	2
18.	Prof. Amey S.Patil	Asst. Prof	M.E.	Structures	1
19.	Prof. Azim S.Sutar	Asst. Prof	M.E.	Environmental Engg	1
20.	Prof. Amruta B. Vyas	Asst. Prof	M.E.	Construction Management	2
21.	Pof. Sachin P. Shidgonwar	Asst. Prof	M.E.	Structures	2

22.	Prof. Rahul	Asst. Prof	M.E.	Structures	3
	S.Patil	71000. 1101	141.12.	Budetales	3
	Prof.				
23.	Abhijeet A.	Asst. Prof	M.E.	Structures	1
	Ulagadde				
24.	Prof. Aditya	Asst. Prof	M.E.	Structures	1
<i>2</i> 4.	A.Patil	Asst. F101	WI.L.	Structures	1
	Prof. Mrs.				
25.	Prajakta K.	Asst. Prof	M.E.	Structures	1
	Kulkarni				
26	Prof. Amit	Asst. Prof	M.E.	Structures	6
26.	R. Patil	ASSI. F101	1V1.E.	Suuctules	6

### 11. List of senior visiting faculty

Prof. Kiran M. Mane	M.E. Struct. Ph.D Scholar	Structures
Prof.Umesh Nadgouda	M.Sc. Geology	Geology
Prof. Mayur A.Kurane	M.Sc. Geology	Geology

- 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : Less than 5%
- 13. Student Teacher Ratio (programme wise): 20:1
- 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Support Staff	Sanctioned	Filled
Technical Assistant	5	4
Administrative	1	Nil

### 15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Total No. Of	f Staff PC	<b>G</b> Completed	PG Pursuing	PhD	PhD Scholar
29		23	2	Nil	4

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: PGCS -2016-17 sponsered by SERB GRANT

Project Title: Retrofitting of structural elements guided by Prof. Amit R.Patil

- 17. Departmental projects funded by DST FIST; UGC, DBT, ICSSR, etc. and total grants received : NIL
- 18. Research Centre /facility recognized by the University: NIL

### 19. Publications:

C.,,	Nome of Faculty		No.of P	ublication	ons
Sr.	Sr. Name of Faculty		NJ	IC	NC
1	Prof.M.J. Patil	-	-	-	2
2	Prof S.P.Jadhav	-	-	-	1
3	Prof.S.B.Sabnis	-	-	-	1
4	Prof. J.D. Patil	2	1	-	1
5	Prof.A.M Joshi	2	-	1	17
6	Prof.V.K Chopdar	-	-	-	3
7	Prof.V.G Shetti	-	-	-	2
8	Prof.N.S Misal	-	-	1	3
9	Prof. V.B.Awati			-	3
10	Prof.S.P Chavan	-	-	-	2
11	Prof.N.J Jadhav	1	-	-	2
12	Prof.N.A Mohite	1	-	1	2
13	Prof.S.S Patil	1	-	-	3
14	Prof.S.S Chavan	-	-	-	1
15	Prof.A.A.Patil	1	-	1	-
16	Prof.P.K.Figveredo	-	-		
17	Prof.A.S.Patil	1	-	-	1
18	Prof.P.A.Nadgouda	-	-	-	1

Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): NIL

Monographs : NIL Chapter in Books : NIL Books Edited : NIL

Books with ISBN/ISSN numbers with details of publishers

Faculty	Title of Book	Publisher	ISBN
M.J.Patil	Fluid Mechanics	Nirali, Pune	978-93-5164-470-5
A.M.Joshi	Concrete Technology	Electrotech,	978-93-83752-45-7
		Satara	
A.M.Joshi	Transportation Engg.	Electrotech,	978-93-83752-45-9
		Satara	
A.M.Joshi	Engineering	Electrotech,	978-93-83752-45-4
	Management	Satara	
V.G.Shetti	Building Design	Nirali, Pune	978-93-5164- 466-8
	& Drawing		

Citation Index, SJR, Impact factor, h-index:

### 20. Areas of consultancy and income generated

The Department is engaged in Testing of all construction materials and various consultancy works. Our laboratories are well equipped with all necessary Equipments which are sophisticated digital and regularly calibrated.

We undertake this work by utilizing following labs

- 1. Concrete technology and NDT lab
- 2. Soil Mechanics Lab
- 3. Transportation Engg. Lab
- 4. Strength of material lab
- 5. Environmental Engg. Lab
- 6. Engg. Geology Lab
- 7. Survey Lab

The Department has a strong Consultancy Cell with experts in all the specialization. We undertake consultancy in the following fields.

- 1. Structural Design vetting: ESR, Framed Structures
- 2. Non Destructive Testing of structural elements
- 3. Water Supply Design vetting
- 4. Drainage system Design
- 5. Concrete Mix Design
- 6. Roads quality control testing
- 7. Material Testing: Steel, Concrete, Paving Blocks, Bitumen, Soil, Rock

The Department has signed MOU with Kolhapur Municipal Corporation for Third Party Technical Audit of all Civil Works. The Corporation has variety works going on fetching the funds from Central and State Govt. like Nagarothhan Scheme. The city will become a smart city soon. All Roads, Drainages, Water supply, signaling, Interior Decoration of Buildings, Slum Development etc.

Following is the Organizational Chart of working of this Cell

Sr.	Staff	Position
1.	Dr. V. R. Ghorpade (Principal)	Chairman, consultancy cell
2.	Prof. M. J. Patil (HOD Civil)	Co-ordinator
	Experts	Field of specialization
3.	Prof. S. B. Sabnis	Structural consultancy
4.	Prof. A. M. Joshi	Concrete technology & Road
5.	Prof. S. P. Jadhav	Water supply & Drainage
6.	Prof. J. D. Patil	Ground water analysis & Geology
7.	Prof. V. G. Shetti	Structural consultancy
8.	Prof. N.A. Mohite	Surveying
4.	Mr. U. D. Sajane	Lab assistant :Steel , Concrete testing
5.	Mr. V. D. Chougale	Lab attendent:Steel , Concrete testing

	Year	Revenue Testing	Revenue Consultancy
1.	2016-17	33,830/-	6,33,867/-
2.	2015-16	29,985/-	14,26,490/-
3.	2014-15	15,500/-	30,58,250/-
4.	2013-14	16,200/-	17,44,573/-
5.	2012-13	99,800/-	14,24,440/-
6.	2011-12	67,200/-	4,500/-
7.	2010-11	85,050/-	36,000/-
8.	2009-10	69,450/-	33,000/-
	Total Rs.	4,17,015/-	83,61,120/-

### **List of Our Clients**

Sr.	Name of client	Scope of our work
1.	Kolhapur Municipal Corporation	Third party audit of all civil work
1.	p.o.box no.33, Kolhapur.416002	costing more than 50 lacks.
	Abhaysinh Dhadve Patil	
2.	construction pvt. ltd., 103, Gazenia	Material testing
	Garden, Pune.	
3.	The Dy. Engineer, National High	NHAI
٥.	Way,sb-division no. 23, Kolhapur.	111111
4.	Executive Engineer	Design of wsr tower at balinge
т.	hydrology project division, Pune.	Design of war tower at burnige
5.	Mohite & Mohite, Engineers &	Steel & concrete cube testing
<i>J</i> .	Contractors pvt. ltd., Kolhapur.	Steel & concrete cube testing
6.	Assistant engineer (gri) minor	Steel testing
0.	irrigation, sub-division, lanja (Krak)	Steel testing
	Aden, Miraj	
7.	Railway Bridge no.69, Rukadi	Soil investigation
	village.	
8.	Executive engineer, public work	Rock & soil investigation
<u> </u>	dept. sub-division, Chandgad.	0
9.	Sarpanch, gram panchayat,	Steel testing & r.c.c. design
	Kini, Kolhapur.	verification
10.	Managing director, kalptaru hoteliers	Hammer rebound & ultrasonic
101	pvt. ltd., Shivaji Park, Kolhapur.	pulse velocity test
11.	Project manager, adhar hospital site	Soil investigation
	Shastri nagar, Kolhapur.	z on m , congunon
1.0	The chairman, gram pani puravatha	
12.	swachhta samiti, Sambhapur,	Material testing
	Kolhapur.	
13.	Pratibha Constructions Engineers &	Mix design of grade m-15, m-20,
	contractors, Tarabai park, Kolhapur.	m-25 Concrete
14.	Assistant engineer, water resources	Design of water stage recorder at
	dept., sub-division, Sangli.	bubnal & Sangli.
15.	M/S Parijat builders,	Concrete mix design m-20
10.	Sangli.	Concrete iiiii desigii iii 20

### 21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards: NIL

### 22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme 100%
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies **NIL**

### 23. Awards / Recognitions received by faculty and students

I) Students: Sports, Cultural, Co curricular

Year	Type of event	Level	Name of student	Remark
		University level	Sadiya Malpekar, Sharvari Patil	Surveying
		National level	Ajinkya Rawoot, Advait Sagvekar	2 <sup>nd</sup> Prize Concrete Cube Testing
2016-	Co-	Envision	Vishal Bandgar	1 <sup>st</sup> Prize Debate
17	curricular	National Level	Saurabh Bhosale	Winner Recycle Material Competition
		University level	Zaid Hudli	2 <sup>nd</sup> in Running
		Ass. Of Arch. & Eng., Kolhapur	Prof.Abhay M.Joshi	Best Teacher Award
		University level	Priya Mane	Winner in Basketball, under
2015-		National Level	Yogiraj Doke	Fencing Gold Medal
16		University level	Ruturaj Nimbalkar	Third in Table Tennis
		National Level	Pratiraj Patil	Hockey, National Level Selection
	Merit University Scholarship level	Ankita Kamire	Shorlisted for merit scholarship at Shivaji University,Kolhapur	
2014-	Со-	Auto cad drawing	Sardar Tadulkar	Winner
15	curricular	model making	Amol Methe	1 <sup>st</sup> winner

		brick	Hardik Jalan &	1 <sup>st</sup> winner
		construction	Group	
		Poster presentation	Lokhande vivekanand Supriya patil	1 <sup>st</sup> winner 2 <sup>nd</sup> winner
		Fencing-inter zonal	Yogiraj doke	2 <sup>nd</sup> prize
		National	Madhukar Shirat	Runner up
2013-	Extra-	National	Shantaram Sawant	Runner up
14	curricular	University	Prashant Chougale	Runner up
		National	Sandip Bhure	Winner

## 24. List of eminent academicians and scientists / visitors to the department

Sr.	Date	Guest	Subject
1	24/02/2017	Prof.Dr. Deepak Bhosale	Constitution of India & Human Rights
2	28/02/2017	Ar. Scott Kafora	Low cost Housing
3	01/02/2017	Mrs.Vrushali Nejdar	Meditation workshop
4	30/01/2017	Mr. Chetan Kokatnur	Ecosystem & Biodiversity
5	03/03/2017	Mr. Shripad Kahalekar	Environmental Awareness Programme
6	10/02/2017	Mr.Satyam Gujar	3D MAX workshop
7	05/07/2016	Mr. Vibhav Srivastava	Gate & competitive Exams28
8.	5/3/2016	Mr. R.N.Raktwan	Environmental Awareness Programme
9.	12/3/2016	Mr.Dinesh Nainani	Workshop – Training of Civil Engg. Structures Software.
10	23/07/15	Ms. Vidya Bhagwat (Director of Consulting Operations REMI, Real Estate Management College, Mumbai)	Career Opportunities in Construction & Real Estate Project Management for Civil Engg. Students
11	05/03/15	Mr. Sameer V. Alone (CEO, Infini College of Program Management, Ex. Head of MIT, College of Management, Pune)	Career Planning

12	02/02/15	Prof. V. B. Jugale	Program on " Awareness of NAAC"
13	23/01/14	Mr. Balkrishna Kulkarni (Territory Technical Sales Manager, Ultra Tech Cement Ltd.)	Concrete Technology & Personality Development
14	05/09/2013	Mr. Anand Ugave	Scope of Civil Engineers in the field of Airlines

## 25. Seminars/ Conferences/Workshops organized & the source of funding

Level	Particulars	<b>Funding Source</b>	Amount Rs.	
	NCETETA Conference	College &	1,00,000/-	
	NCETETA Conference	Participants		
National	IIT Workshop Under	Ministry of HRD		
	NMICTE: Engineering	through IIT	1,50,000/-	
	Mechanics	Bombay		
	Lead College activity:	University through		
	Workshop on MSP	Cluster College	20,000/-	
University	Software for BE Students			
Ciliversity	Workshop for Syllabus	College		
	setting for the Subject		5,000/-	
	Engineering Geology			
State	Techkruti : Technical	College and	1,20,000/-	
	Competition of Students	Participants	1,20,000/	
	Software Training for	ISTE Students		
	Students : Autocad,	Chapter at College	20,000/-	
	Revit, Staadpro			
College	Seminar on	ISTE Students		
	Entrepreneurship for	Chapter at College	5,000/-	
	Civil Students			
	Alumni Meet	College	1,00,000/-	
	IIT Workshop Under	Ministry of HRD		
National	NMICTE : Structural	through IIT	1,50,000/-	
	Engg.	Kharagpur		

### **Workshop Conducted**

Sr.	Date	Workshop name	Organized by	Targeted audience
1.	28/02/2017	Low Cost Housing Workshop	Avani, Kolhapur	TE & BE

2.	12/03/2016	Awareness of Civil Engg. Softwares	Civil Dept. (Inhouse)	B.E.
3.	30/11/2015 to 9/01/2016	Introduction to Structural Engineering	DYPCET,Kolhapur	Faculty
4	26/03/15 to 27/03/15	Revit & Auto CAD Software	CAAD Centre	SE
5	12 to 13/05/15	Staad Pro Software	Robo Edutech India Pvt. Ltd.	TE & BE
6	20/5/14 to 30/05/14	Fluid Mechanics	IIT Kharagpur	Faculty
7	15/02/14	Mason & Petty Contractors	ACC Ltd.	TE
8	25/11/13 to 05/12/13	Engineering Mechanics	IIT Bombay	Faculty

26. Student profile programme/course wise:

Sr.	Name of the	e of the Year Applications Selected Enrolled		Pass			
	Course/		received		*M	*F	Percentage
	programme						
1	Civil	2016-17	120	84	53	21	They are in
1	CIVII	2010-17	120	04	33	21	First Year
							They are in
2	Civil	2015-16	120	87	55	22	Second
							Year
3	Civil	2014-15	120	102	85	17	They are in
3	CIVII	2014-13	120	102	0.5	1/	Third Year
4	Civil	2013-14	60	60	47	13	They are in
4	CIVII	2013-14	00	00	4/	13	Final Year

27. Diversity of Students:

Sr.	Name of the	Year	% of students	% of students	% of
	Course		from the same	from other	students
			state	States	From
					abroad
1	Civil	2016-17	99	01	-
2	Civil	2015-16	99	01	-
3	Civil	2014-15	98	02	-
4	Civil	2013-14	98	02	-

## 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services etc.?

Year	Examination	Appeared	Qualified
	CAT	Nil	
	GATE / GRE / TOEFL/	GATE 124,	GATE 1,
2016-17		GRE -4	GRE -4
	GMAT	Nil	
	Central / State Services	125	1
	CAT	Nil	
2015-16	GATE / GRE / TOEFL	GATE 90,	
2013-10		GRE -2	GRE -2
	GMAT	Nil	-
Central / State Services		130	2
	CAT	Nil	
2014-15	GATE / GRE / TOEFL		
	GMAT	Nil	
	Central / State Services	30	5

### 29. Student progression: Average for Last 5 Years

Student progression	Against % enrolled
UG to PG	20
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	
Campus selection	2
Other than campus recruitment	50
Entrepreneurship/Self-employment	10

### 30. Details of Infrastructural facilities

a) Library: Department Library:

Area: 15 m<sup>2</sup>, No. of Books: 900, No. of Journals: 2 Facility of NPTEL lecture Videos, No. of IS codes: 90 No. of PWD Handbooks: 10, Project Reports: 225, CDs of Seminars: 80, MOC GATE Software, Interview Simulator

b) Internet facilities for Staff & Students:

10 MBPS Lease line, Campus is WI FI., Computer Lab, Structured networking of Computers with Net Connection in Labs and Staff connected to College central Server for CAMPUSPEDIA office Software

- c) Class rooms with ICT facility Class room No. 214, 217 with OHP, Internet and LCD Projector Facility
- d) Laboratories

Sr.	Lab	Area Sq. m	Major Equipments	
1	Concrete & NDT Lab 1	85.50	Rebar Locater NDT	
			machine	
2	Concrete Tech. Lab 2	111,32	Permeability Eq.Flow Table	
3	Structural Mechanics	116.25	Digital UTM & CTM	
4	Fluid Mechanics 1	186.83	Hydraulic Prime movers test	
5	Fluid Mechanics 2	81.74	Tilting Flume	
6	Geotech. Engg, 1	54.42	Taiaxial soil Test	
7	Geotech Engg. 2	50.00	Digital Direct Shear Test	
8	Transportation Engg.	50.00	Bitumen Ductility Apparatus	
9	Environmental Engg.	101.38	Photospectrometer	
10	Engg. Geology	60	Resistivitimeter	
11	Basic Civil Engg.	78.35	Digital Seconds Theodolite	
12	Surveying	78.00	Total Station	
13	Applied Mechanics	62.7	Digital Crane . Beam	
14	Computer Software	67.16	STAADPRO ,GRAM++GIS	

## 31. Number of students receiving financial assistance from college, university, government or other agencies:

Final Year students receive financial assistance for their Project Work from College for a) Site Visits , b) Data Collection , c) Material purchase for experimentation ,d) Travelling expenses at Educational Tours Yearly Budget : Rs. 50,000/-

Sr.	Type of Scholarship	Funding Agency	Total No. of students who have received financial aid			
			2016-17	2015-16	2014-15	2013-14
	SC/ST					
1	Freeship&	State Govt.	228	218	22	24
	Scholarship					
	Other (NT,					
2	OBC, SBC,	State Govt.	189	144	31	67
	EBC)					
3	Handicap	State Govt.	-	-	-	-
4	Minority	Central Govt.	-	-	-	-
5	J&K	Central Govt.	-	-	-	-
6	GATE	Central Govt.	-	-	-	-
7	Defense	-	-	-	-	-
8	GOI	-	-	-	-	_
9	TFWS	-	12	12	12	12
		Total	429	374	65	103

## 32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Sr.	Name of the activity	Audience	Expert
1	Free MOCK GATE Test for T.E.	T. E. & B.E.	Vijeta Academy,
1	& B.E. students.	class	Kolhapur
	Aptitude Test, Interview		Globarena
2	Technique, Group Discussion	T.E. class	Technologies
	reclinique, Group Discussion		Hyderabad
3	Aptitude Test/Mathematic	T. E. & B.E.	NOESIS Education,
3	Workshop	class	Bangalore.
			Globarena
4	Orientation Program	F.E. class	Technologies Pvt.
			Ltd., Hyderabad
5	Personality development – Expert	TE & BE	Er. Sameer Alone,
3	Lecture	Class	Infini, Pune
			Mr. Uday Gaikwad,
6	Save Environment- Expert	SE Class	Eminant
0	Lecture	SE Class	Environmentalist,
			Kop.

### 33. Teaching methods adopted to improve student learning

- 1. Effective chalk and talk method monitored by Senior Faculty and taking online feedback from students
- 2. Power point presentation and audio video clippings for selected topics from internet
- 3. Providing manuals, Handbooks, IS codes, charts at the time of practical session
- 4. Group Discussion and seminars from group of students for project work and Drawing subjects monitored by the experts
- 5. Construction site training with daily worksheets filled and certified by the Site incharge Engineer
- 6. Visits to Govt., semi Govt., private offices, laboratories & data collection centers to understand the working and motivation to the students Short field visits and Educational tours to special prototype structures for interaction with field experts in the respective specialization
- 7. Mid-term & End Term Test calibrated with University Exams and providing model answers
- 8. Continuous assessment of termwork
- 9. Software training workshops and Expert lectures for special topics in and beyond the syllabus
- 10. Counselling and mentoring of a group of 10 to 12 students by a caretaker teacher for overall improvement.

### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Sr.	Social Activity	<b>Particulars</b>	
		Every Year More Than 125 Bags	
1.	Blood Donation Camp	Collected By Dnyanshanti Blood Bank	
1.	Blood Donation Camp	& Shahu Blood Bank in	
		August/September	
2.	Environmental Awareness	Model and Poster exhibition	
۷.	Program	competition	
3.	Tree Plantation	CESA – Students' association program	
٥.	Tree Flantation	in and around the home City Kolhapur	
4	Donation to Orphanaga	Balgram at Tahsil Panhala: donation of	
4.	Donation to Orphanage	Books, Stationary	
	Swachchata Abhiyan : Clean	NSS Program at nearby Villages Every	
5.	Environment at Villages and		
	Medical Camp	year; Nebapur, Kushire	

### 35. SWOC analysis of the department and Future plans

### a) Strength

- Dynamic and qualified faculty with a good blend of specialization
- Thrust of pursuing higher education and tremendous potential
- Well equipped laboratories having latest equipments with sufficient number.
- Efficient Consultancy cell having strong organization of experts and attractive fund generation

### b) Weakness

- Scope for appointing PhD Faculty.
- Scope of revising University Syllabus dynamically for curriculum development.
- Soft skills and language barrier due to students from rural background

### c) Opportunities

- Focus on upgradation of qualification of faculty PhD
- Enhanced Industry- instituteInteraction
- Entrepreneurship awareness and development
- Establishment of center of excellence for research

### d) Challenges

- Competition with nearby other Colleges
- To keep abreast with fast pace of changes in technology
- Students with diverse background and average engineering aptitude
- Stress Management of students
- Retaining Faculty

# **National Assessment and Accreditation Council Future Plans** To start PG programs To establish effective R & D cell • Enhance consultancy activities Attracting sponsored projects Establishing training center for skilled and unskilled technicians from Construction industry for quality consciousness

### **COMPUTER SCIENCE & ENGINEERING**

1. Name of the department : Computer Science & Engineering

2. Year of Establishment : 1984

3. Names of Programmes / Courses offered (UG, PG)

Name of the Program	Year of Establishment
UG (Computer Science & Engineering)	1984
PG (Computer Science & Engineering)	2008
PhD. (Computer Science & Engineering)	2013

- **4.** Names of Interdisciplinary courses and the departments/units involved: NIL.
- **5.** Annual/ semester/choice based credit system (programme wise): Semester based.
- **6.** Participation of the department in the courses offered by other departments: NIL
- 7. Courses in collaboration with other universities, industries, foreign institutions etc.

Sr.	Industry Name	Course
1	Infosys Campus-connect	Business English & Soft Skills
2	IBM	IBM DB2, RAD, Tivoli Directory
		Server

- 8. Details of courses/programmes discontinued (if any) with reasons: NIL
- 10. Number of teaching posts:

**UG** 

Teaching posts	Filled
Professors	01
Associate Professors	03
Asst. Professors	20

**PG** 

Teaching posts	Filled
Asst. Professors	01

## 11. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Sr	Name	Qualification	Designation	Specialization	Experience (years)
1	Dr. V. R.	Ph.D.	Principal &	Adhoc	25
1	Ghorpade	T II.D.	Professor.	Networks	23
2	Dr. G. A. Patil	Ph.D.	Head & Professor.	Networking & Cloud	25
				Computing	
3	A. J. Jadhav	ME (Pursuing)	Asso. Prof.	Networking	27

4	B. D. Jitkar	PhD(Pursuing)	Asso. Prof.	Database Engineering	25
5	/J. N. Jadhav	PhD(Pursuing) M.Tech(CST)	Asso. Prof.	Data Mining	23
6	/ V. S. Rupnar	M.Tech(CST)	Asst. Prof.	Web Security	9
7	/ R. J. Dhanal	ME (CSE)	Asst. Prof.	Compilers	13
8	/ S. S. Kokate	ME (CSE)	Asst. Prof.	Programming languages	10
9	K. T. Mane	ME (CSE)	Asst. Prof.	Networking	8
10	/M. V. Mane	ME (CSE)	Asst. Prof.	Database & Programming Languages.	6
11	/K. M. Patil	ME (CSE)	Asst. Prof.	Programming languages.	5
12	V. V. Mangave	ME (CSE)	Asst. Prof.	Distributed Systems	9
13	R. A. Ghatge	ME (Comp.)	Asst. Prof.	Data Mining	7
14	M. K. Kekade	ME (CSE)	Asst. Prof.	Cloud Computing	4
15	S. B. Karale	ME (CSE)	Asst. Prof.	Web Mining	2
16	S. B. Mohite	ME (CSE)	Asst. Prof.	Hadoop & Cloud Technology	7
17	N. A. Patil	PhD(Pursuing) ME (Comp.)	Asst. Prof.	Mobile Device Security	6
18	A. S. Yadav	ME (Comp.)	Asst. Prof.	Network Security	6
19	S. D. Bhopale	ME(Comp.)	Asst. Prof.	Mobile Adhoc Networks	6
20.	S. T. Powar	MTech. (CS)	Asst. Prof.	Cloud Computing	5
21.	N. A. Haval	MTech. (CSE)	Asst. Prof.	Data Mining	6
22.	M. J. Shinde	ME (Comp.)	Asst. Prof.	Data Mining	2.5
23.	/K. A. Patil	MTech. (CSE)	Asst. Prof.	Image Processing	6.5

24.	/R. M. Kaingade	MTech. (CSE)	Asst. Prof.	Data Mining	1
25.	/S. A. Khavre	MTech. (CSE)	Asst. Prof.	Image Processing	1
26.	/S. R. Makandar	ME (Comp.)	Asst. Prof.	Data Mining and IR	1

### 12. List of senior visiting faculty

Sr.	Senior Visiting Faculty	Designation	
1.	. Prof. U. L. Kulkarni Associate Professor VIT, Mumbai.		
2	Prof. U. A. Nulli Associate Professor DKTE, Ichalkaranji		
3.	Prof. A.B. Chougule	Associate Professor BVPCOE, Kolhapur	
4.	Prof. K.B. Manvade	Associate Professor AMGOI, Vathar	
5.	Dr. S. K. Shirgave	Associate Professor DKTE, Ichalkaranji	

- 13. Percentage of lectures delivered and practical classes handled (Programme wise)by temporary faculty: 60 %
- 14. Student Teacher Ratio (programme wise): 18:1
- 15. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Sr.	Type of Staff	Filled	
1.	Technical	04	
2.	Administrative	1	

16. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.

Degree	No. Of Faculty
PhD	2
PhD Pursuing	3
PG	20
PG pursuing	1

- 17. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL.
- 18. Departmental projects funded by DST FIST; UGC, DBT, ICSSR, etc. And total grants received: NIL.
- 19. Research Centre /facility recognized by the University:

Yes, Ph. D. Research Center recognized by Shivaji University, Kolhapur.

\* Citation Index, SNIP, SJR, Impact factor, h-index:

Sr. No.	Name of Faculty	<b>Citation Count</b>	h-Index	i10-Index
1	Dr. V. R. Ghorpade	70	5	2

### **20. Publications:**

### a) Publications per faculty:

Sr.	Name of Faculty	Number of Publications			ns
		IJ	NJ	IC	NC
1	Dr. V. R.Ghorpade	25	3	13	11
2	Prof. Dr. G. A. Patil	15	7	12	10
3	Prof. A. J. Jadhav	-	-	1	-
4	Prof. B.D.Jitkar	1	-	1	1
5	Mrs. J. N. Jadhav	-	-	2	2
6	Mrs. V. S. Rupnar	2	-	2	-
7	Mrs. S.S. Kokate	1	-	1	-
8	Ms. R.J. Dhanal	1	-	1	-
9	Mr. K.T. Mane	2	-	1	-
10	Mrs. M.V. Mane	2	-	1	-
11	Mrs. K. M. Patil	2	-	-	-
12	Mr. M. K. Kekade	2	1	1	1
13	Mr. S. B. Mohite	1	1	1	4
14	Mr. S. B. Karale	-	1	1	1
15	Mr. N. A. Patil	2	-	1	1
16	Mr. R. A. Ghatage	-	4	2	-
17	Mr. V. V. Mangave	-	-	1	2
18	Mr. A. S. Yadav	4	-	-	3
19	Mr. S. D. Bhopale	4	-	1	2
20	Mr. N. A. Haval	1	-	-	-
21	Mr. S. T. Powar	1	-	-	-
22	Mr. M. J. Shinde	1	1	Ī	1
23	Miss K. A. Patil	-	-	ı	-
24	Ms. R. M. Kaingade	3	-	1	2
25	Ms.S. R. Makandar	2	-	1	1
26	Ms. S. A. Khavare	1	-	2	1

Books Composed: Mrs. M.V. Mane

- 1. Artificial Intelligence Modern Approach.
- 2. Structred and Object Oriented Analysis and Design Methodology.

### 20. Areas of consultancy and income generated: NIL

### 21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards: **NIL** 

### 22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/ programme : 90 %
- b) Percentage of students placed for projects in organizationsoutside the institution i.e.in Research laboratories/Industry/other agencies: 10%

## 23. Awards / Recognitions received by faculty and students Student Achievements

Year		Activity	Name of Student	Prize
	1	Lead College, Basketball, Shivaji University, Kolhapur	Miss. Prachi P. Patil Miss. Rucha S. Patil Miss Sanjana S. Desai Miss. Pranita Chavan	1 <sup>st</sup> Prize
	2	Paperica (Paper Presentation) at WCE, Sangali	Miss. JadhavShruti	2 <sup>nd</sup> Prize
2016- 17	3	Merit Scholarship	<ol> <li>Miss Bhosale Trupti</li> <li>V.</li> <li>Mr. BhosaleRimon s.</li> <li>Mr. Pathan Amir Z.</li> <li>Mr. Lakhraj Panjwani</li> <li>Miss. Mulya Harshita</li> <li>N</li> </ol>	Shortlisted for Merit Scholarship at Shivaji University, Kolhapur
	4	EPISTEME DKTE, Ichalkaranji	Miss. Aishwarya V. Patil	2 <sup>nd</sup> Rank
	5	CISCO Certification	Mr. AkshaySangar	CCNP Certified
	6	Project Development, Hackthon Smart India 2017	Miss. Madura Gaikwad Mr. PranitaRohida Miss. Ankita Joshi	Shortlisted for Hackthon Smart India 2017
	1	Paper Presentation, Master Presenter 2K16, SIT, Yadrav.	Miss. JadhavShruti S.	1 <sup>st</sup> Prize
2015-	2	Poster Presentation, Master Presenter 2K16, SIT, Yadrav.	Miss. PawarAkshada	2 <sup>nd</sup> Prize
16	3	CISCO Certification	Mr. AkshaySangar	CCNA Certified
	4	All India Essay Writing event 2015 (SRCM & UNIC), India & Bhutan cultural programme.	Miss. Priyanka B. Handole	3 <sup>rd</sup> Prize

	5	Project Competition (iBeacon), ICPCDECT 2016, Lavasa, Pune.		1 <sup>st</sup> Prize
	6	ARPAN2K16, Badminton Doubles, DYPCET	Miss. Nikita Gongane	2 <sup>nd</sup> Prize
	7	Lead College, Basketball, Shivaji University, Kolhapur	Miss. Prachi P. Patil Miss. Rucha S. Patil Miss. Pooja S. Patil Miss Sanjana S. Desai Miss. Pranita Chavan Miss. Senhal Katakar	1 <sup>St</sup> Prize
	8	Inter Zonal, Basketball, Shivaji University, Kohapur.	Miss. Prachi P. Patil Miss. Rucha S. Patil Miss. Pooja S. Patil Miss Sanjana S. Desai Miss. Pranita Chavan Miss. Senhal Katakar	2 <sup>nd</sup> Prize
	9	Shivaji University Merit Scholarship	Mr.Ajay Khubchandani	Scholarship
2014-	1	Shivaji University Merit Scholarship	Ms.Modak Farzeen M.	Scholarship
15	2	All India Essay Writing Event	Ms.Devyani Palkar	1 <sup>st</sup>
2013- 14	1	Paper Presentation , Mastermind 2K14, DYP CET, Kolhapur	Mr.Prashant Gupta Ms.Afiya Qureshi	1 <sup>st</sup>
	1	Project Competition At AMGOI Vathar	Ms.Afiya Qureshi, Prashant Gupta	1 <sup>st</sup>
	2	Project Masters at RIT Sakhrale	Nikhil Jadhav, Yuvraj Patil, Vijay Kanade, Priyanka Dhale, Neha Dalal	2 <sup>nd</sup>
	3	Code war at DKTE Ichalkaranji	Mr.Saurabh Patil	2 <sup>nd</sup>
2012- 13	4	Spot-Ppt, TechnoCracy 2K12	Mr.Vijay Kanade	1 <sup>st</sup>
13	5	C, Java Programming, wizard 2K1at KIT Kolhapur	Mr.Ganesh Satpute	2 <sup>nd</sup>
	6	Treasure Hunt at C, Tecnosphere, RIT Sakharale	Mr.Ganesh Satpute, Mr.Prashant Gupta	1 <sup>st</sup>
	7	Mock Campus under Invincible 2K13 at KIT Kolhapur	Mr.Abhinav Lohar	1 <sup>st</sup>

	1	Excellent Academic Performance, DYPCET	Mr.Vijay Kanade	Excellent student
2011- 12	2	Project Competition, MS Ramaiah Institute, Bangalore	Ms. Prajkta Tupe	3 <sup>rd</sup>
	3	C Programming at Creation 2012, Sanjay Bhokare college of Engg, Miraj	Mr. Prashant Gupta	1 <sup>st</sup>
2010- 11	1	Ranked in UPSC Exam	Mr. Krishnat Patil	UPSC Selection

### **Faculty Achievements:**

- 1. Prof. G.A. Patil –Awarded with:
- a. Phd. 2017
- b. IRAJ excellent award for the paper entitled "Dynamic heterogeneous data processing in IaaSCloud", March 2015.
- c. First prize for the paper entitled "Performance improvement of hybrid framework for processing heterogeneous data on cloud", national conference, March 2015.
- d. Best mentor of TGMC, Oct 2014 from IBM, Bangalore.
- e. Best paper for paper entitled "Android device interface for remote information retrieval using English language", national conference, Jan. 2014
- f. Best paper for paper entitled "Add-on utility make Google docs more secure" in international conference Feb. 2013.
- g. Best paper for paper entitled "Mobile agent based open cloud computing" in national conference Jan. 2013
- h. Certificate of excellence, from IIT Bombay, for conducting ISTE Workshop on Aakash for Education, Nov. 2012
- i. Outstanding contribution in "SEED IT Idol competition", Kolhapur, 2012
- j. First prize for paper entitled "Resource optimization through low cost automation-a case study", Nagpur, July 2006.
- 2. Prof. B. D. Jitkar Awarded with:
- a. Best paper in CSE Theme, NCETETA-2016.

### 24. List of eminent academicians and scientists / visitors to the department

Sr.	Eminent academicians/experts	Designation	
1	Mr. Atul Kahate	Adjunct Professor	
2	Dr. Parag Kulkarni	Director, Anamoly solutions Pvt. Ltd.	

3	Mr. Avinash Magdum	General Manager,
	S	Herbinger Group, Pune.
4	Dr. Vasantrao Govarikar	Eminent Scientist
5	Dr. Parag Kulkarni	Industry expert
6	Dr. R. B. Ingle	Academician
7	Dr. S. D. Raut	Academician & Industry expert
8	Dr. G. V. Choudhary	Academician
9	Dr. A. W. Kiwalekar	Academician
10	Dr. Y. D. Kolekar	Eminent Scientist
11	Dr. P. J. Kulkarni	Eminent Academician
12	Dr. J. B. Shinde	Academician & Social Reformer
13	Dr. A. A. Bagwan	Academician
14	Dr. B. M. Hirdekar	COE, Shivaji University
15	Dr. G. V. Garje	Academician
16	Dr. D. B. Kulkarni	Academician
17	Prof. D. L. Pandhare	Academician & Industry expert
18	Mr. Ravi Srivastava	Industry expert
19	Mr. GauravYadav	Industry expert
20	Mr. Carl Branganza	Industry expert
18	Mr. B. Ghose	Entrepreneur in USA
19	Mr. Riyaz Ladakhan	Entrepreneur in USA
20	Mr. Abhijit Alone	Industry expert
21	Mr. Prashant Karandikar	Industry expert

## 25. Seminars/ Conferences/Workshops organized & the source of funding.

#### a) National:

- 1. NCETETA National Conference on "Emerging Trends in Engineering Technology and Architecture" conducted every year in the month of January since 2010.
- 2. STTP on "Recent Trends in Cloud Computing and Grid Technology" held in December 2011, approved by ISTE New Delhi.
- 3. ISTE workshop on "Aakash for Education", 10-11 Nov. 2012, conducted under NMEICT by IIT Bombay and funded by HRD ministry.
- 4. ISTE workshop on "Introduction to Research Methodology" 25 June to 4 July 2012, conducted under NMEICT by IIT Bombay and funded by HRD ministry.
- 5. ISTE workshop on "Introduction to Design of Algorithms", 25 to 30 May 2015, conducted under NMEICT by IIT Bombay and funded by HRD ministry.

### b) International:

1. ICETETA – International Conference on "Emerging Trends in Engineering Technology and Architecture" conducted on 11<sup>th</sup> March 2017 at Hotel Sayaji, Kolhapur.

### 26. Student profile programme/course wise: NIL

### 27. Diversity of Students:

Year	% of students from the same state	% of students from other States	% of students from abroad
2016-2017	98	2	NIL
2015-2016	98	2	NIL
2014-2015	99	1	NIL
2013-2014	100	NIL	NIL
2012-2013	60	1	NIL
2011-2012	60	1	NIL

## 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

1. Competitive examinations: GATE

Year	No. of Students
2016-2017	2
2015-2016	2
2014-2015	5
2013-2014	1
2012-2013	3
2011-2012	NIL

### 2. Civil services:

- 1. Er. Madan Nagargoje IAS Officer (UPSC)
- 2. Er. Abhishek Deshmukh-Deputy Collector (MPSC)
- 3. Er. Krishnath Patil (UPSC)

### 3. Defense services:

- 1. Er. Vikramsinh Ghorpade (SSB)
- 2. Er. Yogini Desai (SSB)

### 29. Student progression

Year	Student Progression	%
	UG to PG	3.35
	PG to Ph.D.	-
2015-16	Employed	
	- Campus Selection	16.66
	- Other than Campus Selection	1.33

	UG to PG	2.6
	PG to Ph.D.	2
2014-15	Employed	
	- Campus Selection	11.11
	- Other than Campus Selection	3.7
	UG to PG	1.4
2013-2014	Employed	
2013-2014	- Campus Selection	9.9
	- Other than Campus Selection	4.2

### 30. Details of Infrastructural facilities

a) Library: 30 Sq. Mtr.

Number of Title	Number of Journals	Number of e-journals
944	5	8

- b) Internet facilities for Staff &Students: 10 Mbps leased line
- c) Class rooms with ICT facility: 06 classrooms, Each with 66 Sq. Mtr.
- d) Laboratories: 10 labs. Each with 66 Sq. Mtr.

## 31. Number of students receiving financial assistance from college, University, Government or other agencies

Tune of againtance		Number of Students		
Type of assistance	2016-17	2015-16	2014-15	2013-14
Scholarship & Freeship	209	165	141	96
EBC	208	156	134	91
STC		5	3	2
PTC		4	4	3
Handicap				
Minority	1			
J & K				
GATE				
Central Sector				

## **32.** Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

• Guest lecturers with Industry and academic experts.

Sr.	Guest	Subject	Date	
	Mr.Hemant Patil,			
1	Miss.Thakkar, Elexier Institute,	Communication skill	30/9/2011	
	Kolhapur.			
2	Mr.Nijjamuddin Desai,	Campus Interviews	27/9/2011	
	Bangalore.	Campus interviews	27/9/2011	
2	Mr.Sanjeev Bindru, TCS,	Work Environment in	16/9/2011	
3	Bangalore.	Industry	10/9/2011	

	T	1	1
4	Mr. Abhijeet Chikane, Cross Country Pvt Ltd, Pune.	Technology Today	8/7/2011
5	Prof .A.B.Rajmane, AMGOI, Vathar.	Domain Name System	12/09/2011
6	Prof.S.B.Patil, KITCoE, Kolhapur.	Network Engineering	26/09/2011
7	Prof .A.B.Rajmane, AMGoI, Vathar.	Distributed Systems	15/09/2011
8	Prof.S.B.Patil, KITCoE, Kolhapur.	Grid Technology	10/3/2011
9	Prof.U.L.Nuli, DKTE Ichalkaranji.	Web Technology	10/3/2011
10	Mr.Prasanna Karmarkar, Mr.Omkar Barve, Shivaji University, Kolhapur.	Carrier Opportunities in IT	09/01/2014
11	Mr. Vaibhav Patil, Radical Technologies, Pune.	Java Technologies	7/3/2014
12	Mr.Shirish Patil, HSBC, Pune.	Entrepreneur Skills Development	16/8/2014
13	Prof.Swapnil C.Powar, RIT Sakharale.	Compiler Construction	14/2/2015
14	Dr. Parag Kulkarni, Anamoly Solutions Pvt. Ltd. Pune.	Knowledge Innovations	22/8/2015
15	Dr. Parag Kulkarni	Expert lecture on "knowledge Innovation"	22/8/15
16	Mr. Abhishek Tiwari	Alumini Interaction Talk	3/9/15
17	Prof. A. Dahibhate	Art of Living	5/9/15
18	Miss. YogitaParab	Expert lecture on "Campus interview Preparation"	21/10/15
19	Mr. Santosh Deshmukh	Expert lecture on "Amazon Cloud Services & AWS" Certification	22/3/17
20	Mr. Chetan Kokatnur	Expert lecture on "Environment Study"	2017

## • Seminars & workshops on recent trends in the Computer Science & Engineering

Sr.	Workshop/Seminar	Details	Year
1	Workshop	Workshop on "GD, Technical Interview", Mr. Prashant Karandikar, Dated-5/2/17	2016- 17
2	Workshop	Workshop on "Internet of Things", Mr. AvinashMagdum, Dated-27/2/17	2016- 17
3	Workshop	One day Workshop on "Information Security & Ethical Hacking", Mr. AjinkyaLohakare, Dated- 17/1/17	2016- 17

			1
4 6 .		Seminar on Challenges in information	2016-
4	Seminar	security & Avenues therein, Mr.	17
		AtulKahate, Dated - 17/9/2016	-
5	Seminar	Technical Seminar, Mr. Mandar Jog,	2016-
	Schillar	Dated-14/9/16	17
6	Workshop	One day Workshop on "Hadoop", Mr.	2016-
0	workshop	SangramPatil, Dated-3/9/16	17
7	Workshop	One Day's Workshop on "Python", Mr.	2016-
,	workshop	AkibMomin, Dated- 14/08/16	17
		Two Day's Workshop on "Business	2015-
8	Workshop	English", Mr. Sanjeev D. Shinde, Dated-	16
		13, 14/08/2015	10
		Seminar on "Enhancing the	2015-
9	Seminar	employability skills", Prof. D. L.	16
		Pandhare, Dated- 29/8/15	10
10	Workshop	"Business English" by Mr. Sanjiv D.	2015-
10	Workshop	Shinde, Mumbai.	16
11	Workshop	Introduction to Design of Algorithms,	2014-
11	Workshop	IIT Kharagpur, 25 to 30 May 2015.	15
12	Workshop	Oracle certification 11g preparation dt-	2014-
12	Workshop	7, 8 March 2015, C-DAC, Kolhapur.	15
13	Workshop	"C Hurdles", dt. 1/8/15, Global Infotech	2014-
13	Workshop	Learning, Kolhapur.	15
14	Workshop	"Introduction to Wordpress", dt. 6 Sept.	2013-
14	Workshop	2013, Sunnyz World, Kolhapur.	14
15	Workshop	"Software Testing methodologies", Dt-	2013-
13	Workshop	3,4 August 2013, Vidhula R. Patil, Pune.	14
		Career management by A.R. Bhujang,	2013-
16	Seminar	Director IllionoisInstitute of Technology	
		IndiaPvt Ltd, Bangalore dt – 7/8/2013.	14

### 33. Teaching methods adopted to improve student learning

- Black Board teaching method
- LCD / PPT teaching method
- Problem Solving
- Interactive Learning
- Project based learning
- NPTEL Video
- Group Discussion
- Learning through Industrial Visit
- Seminar based learning
- Tutorial sessions
- Think-Pair-Share
- Case Studies

### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Blood donation camp
- NSS Activities
- Community Services
- AIDS awareness programme
- Traffic Safety Awareness Programme
- Digital India- Cashless Services awareness programme

### 35. SWOC analysis of the department and Future plans

### a) Strengths

- State of the art infrastructure.
- Good blend of experienced, qualified, devoted, young and talented faculty.
- Good academic policies and practices.
- Continuous assessment policy.
- Special efforts for making students industry ready.
- PG and PhD programmes.

#### b) Weaknesses

- Lack of multidisciplinary projects.
- Collaboration with industry and research organizations.
- Students are from rural region.

### c) Opportunities

- Participation in Digital India projects.
- Establishment of incubation center.
- Entrepreneurship cell and Higher Education coaching.
- Increasing interaction with alumni.

#### d) Challenges

- Students' reluctance in learning and self development.
- Faculty retention
- Coping with recent technological developments and research.

#### **Future Plans:**

- Collaboration with Industry and Research organizations.
- Enriching career guidance and entrepreneurship programmes.
- Promoting faculty for Research and Development.

### **ELECTRONICS ENGINEERING**

1. Name of the department : Electronics Engineering

2. Year of Establishment : 1984

3. Names of Programmes/Courses offered (UG, PG, Ph.D.)

Courses	<b>Year of Commencement</b>	Intake
U. G. (Electronics)	1984	60
P. G. (Electronics & Telecommunication)	Aug. 2008	18
Research Centre (Ph.D.)	June 2014	01

4. Names of Interdisciplinary courses and the departments / units involved:

Class	Branch	Subject	Semester	Load
S. E.	Mechanical	Electrical Technology	I	3 Divisions
S. E.	Production	Electrical & Electronics Engineering	I	1 Division
F. E.	All Branches	Basic Electrical Engineering	I & II	3 Divisions
F. E.	All Branches	Fundamentals of Electronics & Computer	I & II	3 Divisions

- 5. Annual/ semester/choice based credit system (programme wise): Semester based system
- 6. Participation of the department in the courses offered by other departments

Class	Branch	Subject	Semester	Load
S. E.	Mechanical	Electrical Technology	I	3 Divisions
S. E.	Production	Electrical & Electronics Engineering	I	1 Division
F. E.	All Branches	Basic Electrical Engineering	I & II	3 Divisions
F. E.		Fundamentals of Electronics & Computer	I & II	3 Divisions

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:

NIL

8. Details of courses/ programmes discontinued (if any) with reasons: NIL

### 9. Number of teaching posts:

Teaching Post	Filled
Professors	2
Associate Professors	4
Asst. Professors	9

## 10. Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. etc.)

Sr.	Name of Faculty	Qualification	Designation	Specialization	Experience
1	Dr. A. N. Jadhav	M.E.(Electronics) Ph.D	Professor & H.O.D	Wireless communication & Adhoc &	25 Yrs.
2	Dr. Mrs. S. V. Sankpal	M.E. (Electronics) Ph. D.	Professor.	Wireless communication, Mobile Computing, Wireless Sensor Networks	32 Yrs.
3	S.R.Khot	M.E. (Electronics)	Associate. Professor.	Image Processing	29 Yrs.
4	S. B. Patil	M.E. (Electronics)	Associate. Professor.	Embedded Systems.	28 Yrs.
5	M. A. Pardesi	M.E. (Electronics),	Associate. Professor.	Video Engineering	25 Yrs
6	Mrs.P. S. Pise	M.Tech (Electronics Tech.)	Associate. Professor.	VLSI Design and Embedded System	25 Yrs
7	Miss N. S. Vatkar	M.Tech. (Electronics Tech.)	Asst. Prof.	Embedded System.	17 Yrs
8	Mrs. M. V. Bhanuse	M.E. (E&TC), Ph D (Pursuing)	Asst. Prof.	Wireless communication.	11 Yrs
	A.M. Kasabe	M.E. (E & TC)	Asst. Prof.	Wireless communication.	7 Yrs
10	Mrs. A.R.Jadhav	M.E. (E&TC)	Asst. Prof.	Power Electronics	10 Yrs.
	Ms. A.A.Desai	M.E. (E&TC)	Asst. Prof.	Image Processing	4 Yrs.
12	Ms. R.N.Guravvagol	M.E. (E&TC)	Asst. Prof.	VLSI Design and Embedded	4 Yrs.

13	Ms.S.S.Mane	M.E. (E&TC)	Asst. Prof.	Wireless communication.	4 Yrs.
14	S. C. Shinde	M.E. (E&TC)	Asst. Prof.	Wireless communication.	3 Yrs.
15	R.S.Shinde	M. Tech (Electrical)	Asst. Prof.	Electrical (Power System)	3 Yrs

### 11. List of senior visiting faculty: U.G.

Year	Name of faculty	Class	Subject taught
2016-17	Mr. A. A. Jadhav	F.E-I	Basic Electrical Engg
	Prof. K. M. Ghume	S.E.(Electronics Engg-I	Electrical Machines
2014-15	Prof. K. M. Ghume	F.EI	Basic Electrical Engg.
	Prof. P. M. Harshe	T.E.(Electronics Engg)-II	IM & OR
	Prof. K. M. Ghume	S.E.(Electronics Engg-I	Electrical Machines
2013-14	Prof. K. M. Ghume	F.E.	Basic Electrical Engg.
2013-14	Prof. P. M. Harshe	T.E.(Electronics Engg)-II	IM & OR
	Prof. Y. M. Patil	T.E.(Electronics Engg)-I	Control Systems
	Prof. K. M. Ghume	S.E.(Electronics Engg-I	Electrical Machines
2012-13	Prof. K. M. Ghume	F.E.	Basic Electrical Engg.
	Prof. P. M. Harshe	T.E.(Electronics Engg)-II	IM & OR
	Dr. K. S. Keskar	T.E.(Electronics Engg)-I	Electromagnetic Engg.
2011-12	Prof. K. M. Ghume	S.E.(Electronics Engg-I	Electrical Machines
2011-12	Prof. P. M. Harshe	T.E.(Electronics Engg)-II	IM & OR
	Prof. K. M. Ghume	F.E.	Basic Electrical Engg.

### P.G. List of Senior Visiting Faculty

Year	Name Of faculty	Class	Subject taught
2015-16	Prof. P.B.Ghevari	M.E. (E& TC) – II	Advanced Microwave Circuit Design
2014-15	Prof. Y. M. Patil		Linear Algebra & Error Control Techniques
	Prof. S. S. Nagtilak		Advanced Light Wave Communication

2012 14	Prof. Y. M. Patil	M.E.(E & TC)	Adaptive Signal Processing
2013-14	Prof. A. L. Renake	M.E.(E & TC)	Wireless Communication
		ME (E % TC) I	Linear Algebra & Error Control Techniques
2011-12	Prof. Y. M. Patil	M.E.(E & TC)-I	Linear Algebra & Error Control Techniques

- 12. Percentage of lectures delivered and practical classes handled (programme wise)
  - by temporary faculty: Not Applicable
- 13. Student -Teacher Ratio (program wise): 15:1
- 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Sr.	Type of Staff	Filled
1	Technical	5

### 15. Qualifications of teaching faculty with DSC/ D.Litt. / Ph.D. / MPhil / PG

Degree	No. of Faculty
Ph.D.	2
Ph.D. Pursuing	1
PG	12
PG pursuing	-
BE	-

- 16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL
- 17. Departmental projects funded by DST FIST; UGC, DBT, ICSSR, etc. and total grants received: 3 UG Projects
- 18. Research Centre /facility recognized by the University:
  Department has PG program in E &TC. Department is recognized as PhD research Centre by the Shivaji University, Kolhapur from June 2014.

### 19. Publications: a) Publication per faculty:

C.,	Name of Faculty	No. of Publications			
Sr.	Name of Faculty	IJ	NJ	IC	NC
1	Prof. Dr. A. N. Jadhav	48	ı	41	36
2	Prof. Dr. Mrs. S.V. Sankpal	52	ı	41	28
3	Prof. Dr. Mrs. K.V. Kulhalli	16	03	12	37
4	Prof. S. R. Khot	17	1	18	18
5	Prof. S. B. Patil	22	-	13	15
6	Prof. M. A. Pardesi	1	-	-	-
7	Prof. Mrs. P.S. Pise	3	-	3	2

8	Prof. Miss. N. S. Vatkar	4	-	-	-
9	Mrs. M. V. Bhanuse	4	-	3	1
10	Mr. A. M. Kasabe	5	-	3	2
11	Mrs.A.R.Jadhav	3	-	1	2
12	Mrs.A.A.Desai	3	-	1	2
13	Miss.R.N.Guravvagol	2	-	1	-
14	Miss.S.S.Mane	6	-	2	1
15	Mr.S.C.Shinde	7	-	4	-
16	Mr.R.S.Shinde	2	-	2	-

\* Number of publications listed in International Database (For E.g.: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

Sr.	Faulty Name	Title	Database Name	ANED-DDL No.
1	P. L. Gawade & A. N. Jadhav	Harmonic Analysis of Input current of single phase PFC Buck converter	American National Engineering Database (ANED)	26.6718/027409014

- \* Monographs : **NIL**
- \* ChapterinBooks: "Imlementation of QoS Based Policer in Router for NGN", ISBN:978-3-319-53555-5, Springer Nature By Prof. Dr.S.V.Sankpal
- \* Books Edited : **NIL**
- \* Books with ISBN/ISSN numbers with details of publishers

Sr.	Faulty Name	Book Title	Publication	Year	ISBN/ISSN number
1	A. N. Jadhav	Basic Electronics & Computer Programming in C	Pearson	2012	978-81-317- 6580-7
2	A. N. Jadhav	Linear Integrated Circuits	Mahalaxmi Publications	2004	-

\* Citation Index, SNIP, SJR, Impact factor, h-index:

Sr. No.	Name of Faculty	Citation Count	h-Index	i10-Index
INU.			_	_
1	Prof. Dr. A. N. Jadhav	68	5	2
2	Prof. Dr. Mrs. S.V.	41	4	2
2	Sankpal	41	4	2
3	Prof. S. R. Khot	47	4	2
4	Prof. S. B. Patil	1	1	0
5	Mrs. A. A. Desai	1	1	0

## 20. Areas of consultancy and income generated: Kolhapur City Video Surveillance Technical Audit & Income generated approx. Rs. 5,18,880.00

### 21. Faculty as members in

- a) National committees: NIL
- b) International Committees: NIL
- c) Editorial Board:

### Prof. Dr. Mrs. S. V. Sankpal:

- 1.Global Conference on Wireless Computing & Networking-2014 (GCWCN2014Nov. 2014)
- 2. International Conference on Science & Technology, SBPCOE, Indapur

### 22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme: 100%
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: **NIL**

### 23. Awards / Recognitions received by students:

Year	Type of Event	Participated	Winners
	Co-curricular	140	4
2016-17	Extra- curricular	60	18
	Cultural	40	
	Co-curricular	120	3
2015-16	Extra- curricular	50	2
	Cultural	35	
	Co-curricular	32	4
2014-15	Extra- curricular	9	1
	Cultural	1	-
	Co-curricular	4	1
2013-14	Extra- curricular	10	1
	Cultural	-	-
	Co-curricular	13	7
2012-13	Extra- curricular	19	3
	Cultural	3	-
2011-12	Co-curricular	35	15
2011-12	Extra- curricular	7	-

Cultural 4 -

## 24. List of eminent academicians and scientists / visitors to the department

Sr.	Name
1	Dr. Shivram Bhoje
2	Dr. C.D. Lokhande
3	Dr. Sam Pitroda
4	Dr. S. N. Talbar
5	Dr. Prashant Bartakke
6	Dr. Sutawane M. S.
7	Dr. A. N. Gaikwad
8	Capt. Dr. N. P. Sonaje
9	Dr. Vijay Bhatkar
10	Dr. Anil Kakodkar
11	Dr. Christoph Senft ( Germany)
12	Mr. Sean Coote (Director, Niagara College, Welland, Canada.)
13	Mr. Nitin Sapre (Bosch- German)
14	Siddharth Soni ( CAPM International Division)

## 25. Seminars/ Conferences/Workshops organized & the source of funding a) National

Year	Name of course	Duration of course	Funding	Faculty Coordinator
	Seminar On Industrial Automation	20.8.2016		Dr. Mrs.S. V. Sankpal
	Workshop on "Industrial Automation"	01 to 04 <sup>th</sup> Oct – 2016		Dr. Mrs.S. V. Sankpal
	Workshop on " Home Automation & Cloud Robotics"	11 <sup>th</sup> & 12 <sup>th</sup> Feb- 2017		Ms. S. S. Mane
2016- 17	Seminar on "Information about GATE" by Vani Institute, Pune	2 <sup>nd</sup> Mar. 2017		Prof. M.A.Pardesi
	"Microsoft Global Certification" Training Program	3 <sup>rd</sup> to 5 <sup>th</sup> Mar-2017		Prof. M.A.Pardesi
	Two days Training Program under lead college activity by O2 Breathing Brains	10 <sup>th</sup> & 11 <sup>th</sup> Mar-2017		Prof. M.A.Pardesi

	Seminar On "Career In Embedded System In Next Five Years"	30 sept. 2015		Dr. Mrs.S.V.Sankpal
	Training Program On "Arm9" Microcontroller & Programming"	20 <sup>th</sup> Oct. 2015		Prof.S.B.Patil
	Seminar On "Industrial Automation"	18 <sup>th</sup> Jan. 2016		Dr. Mrs.S. V. Sankpal
2015- 16	One Day Workshop On "Practical Approach In Computer Networking"	on 23 <sup>rd</sup> Jan 2016		Dr. Mrs.S. V. Sankpal
	One Day Workshop On DSP & Code Composer Studio	23 <sup>rd</sup> Jan 2016		Prof.Mrs.M.V.Bhanuse & Prof.S.R.Khot
	Syllabus Discusion For B.E.(ETX)	1 Day (5 <sup>th</sup> April 2016)	SUK	Dr. A.N.Jadhav
	One Day Workshop For Syllabus Revision For B.E.(ETX)	1 Day(22 <sup>nd</sup> April 2016)	SUK	Dr. A.N.Jadhav
2014- 15	ISTE Main Workshop on "Control Systems"	2 Week (2- 12th Dec 2014)	ICT- MHRD (GOI)	Mrs. M. V. Bhanuse
2013-	STTP Workshop on "Recent Trends in Design, Development & Applications in DSP"	1 Week (15-20 July 2013)	ISTE	Dr. Mrs.S. V. Sankpal
14	ISTE Workshop on "Signals & Systems"	2 Week (2- 12 January 2014)	ICT- MHRD (GOI)	Dr. Mrs.S. V. Sankpal
	Workshop of Syllabus Revision SE (ETX)	1 Day (30th January 2014)	SUK	-
2011- 12	STTP Workshop on "Recent Trends in Wireless Communication & Networking"	1 Week (13-18 February 2012)	ISTE	Dr.Mrs.S.V. Sankpal
2009- 10	STTP Workshop on "Matlab Programming"	1 Week (15-21 August 2009)	ISTE	Dr. Mrs.S. V. Sankpal

### b) International: NIL

### 26. Student profile programme/course wise:

Year	Name of the Course /	Applications	Selected	Enrolled	
	Programme	Received		Male	Female
2016-17	Electronics Engineering	16	16	8	8
2015-16	Electronics Engineering	12	12	6	6
2014-15	Electronics Engineering	28	28	8	20
2013-14	Electronics Engineering	52	52	26	26
2012-13	Electronics Engineering	57	57	28	29
2011-12	Electronics Engineering	61	61	43	18

### 27. Diversity of Students

Name of the	% of students	% of students	% of students
course-	from the same	from the other	from abroad
<b>Electronics Engg.</b>	state	state	
2016-17	84.61%	15.38%	0%
2015-16	100%	0%	0%
2014-15	100%	0%	0%
2013-14	98.07%	1.92%	0%
2012-13	96.49%	3.50%	0%
2011-12	91.80%	8.1%	0%

## 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

Year	Examination	Appeared	Qualified	
	CAT			
2016-17	GATE / GRE / TOEFL	73	-	
2010-17	GMAT	73		
	Central / State Services			
	CAT			
2015-16	GATE / GRE / TOEFL	42	-	
2013-10	GMAT	42		
	Central / State Services			
	CAT			
2014-15	GATE / GRE / TOEFL 30			
2014-13	GMAT	AT 30		
	Central / State Services			
	CAT		2	
2013-14	GATE / GRE / TOEFL	3		
2013-14	GMAT	3	2	
	Central / State Services			

	CAT		
2012-13	GATE / GRE / TOEFL		
2012-13	GMAT	_	-
	Central / State Services		
	CAT		
2011-12	GATE / GRE / TOEFL	2	
	GMAT	3	-
	Central / State Services		

### 29. Student progression:

Student progression	Academic Year				
Student progression	15-16	14-15	13-14	12-13	11-12
UG to PG	8.0	9.6	14.81	27.27	21.68
PG to M.Phil.	-	-	-	-	-
PG to Ph.D.	-	5.5	11.11	5.5	5.5
Ph.D. to Post-Doctoral	-	-	-	-	-
Employed	-	-	-	-	-
Campus selection	4.0	3.61	3.7	2.53	11.25
Other than campus recruitment	25	27.71	37.0	63.63	54.25
Entrepreneurship/Self-employment	1.6	2.4	7.4	7.2	6.0
Voor wise Total no. of DE students	15-16	14-15	13-14	12-13	11-12
Year wise Total no. of BE students	59	83	81	55	83

### **30.** Details of Infrastructural facilities:

a) Department Library: Area : 30.4 Sq.m

Books : 1065 E-journals : 2 E-Magazines : 21 E-Books : 48

### b) Internet facilities for Staff & Students: BSNL 10Mbps leased line

Sr.	Infrastructure Detail	Area / Specification
1	Class Rooms (2)	131.82 sq. m.
2	Tutorial Room (1)	43.81 sq. m.
3	PG Tutorial room (1)	30.15 Sq. m.
4	Laboratories (10)	665.71 sq. m.
5	H. O. D. Cabin	41.41 sq. m.
6	Faculty cabins (20)	121.77 Sq.m.
7	Department Library	30.4 sq. m.
8	Meeting Room	36.95 sq. m.
9	Total Space	1400.4 sq. m.
10	LCD Projector	3
11	PCs	69

# 31. Number of students receiving financial assistance from college, university, government or other agencies:

Year	Scholarship & Free ship	SC/ST	Other (NT, OBC, SBC, EBC)	J&K	GOI	TFWS
2016-17	11	05	03	-	-	3
2015-16	05	02	01	-	-	2
2014-15	37	08	26	-	-	3
2013-14	34	08	22	-	1	3
2012-13	39	12	23	1	-	3
2011-12	33	8	21	1	-	3

# 32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts a) Seminars:

Sr.	Date	Topic	Guest/Expert
1	11 , 12 – 02-17	Workshop On "Home Automation & Cloud Robotics"	Mr. Mukesh Choudhary, ARK Techno Solutions, Pvt. Ltd, Robocart, Mumbai
2	16-03-17	Guest Lecture On "Control System"	Dr.Y.M.Patil, KIT COE Kolhapur
3	02-03-17	Seminar on "Information about GATE"	Vani Institute, Pune
4	01-03-17	Guest Lecture On" Transformers & Motors"	Mr. Mayuresh N. Rao, RIT, Sakhrale
5	25-02-17	Guest Lecture On "College To Corporate"	Mr. Ravindr Mahajan, General Manager, Mahindra & Mahindra
6	23-02-17	"PCB Manufacturing Process"	Mr. Vikas Patil, Director, Prathmesh Electronics, MIDC Shiroli
7	01 to 04- 10-16	Workshop On "Industrial Automation"	Mr. Ramesh Wagachure & Dinesh Dhumal, Prolifics Systems Pvt. Ltd
8	24-09-16	" USB Theme Workshop"	Prof. S.C.Shinde, Prof. S. R. Mujawar
9	19-09-16	Guest Lecture On "Hardware Networking- CCNA"	Mr. Mahesh Mudholakar
10	20-08-16	Seminar On "Industrial Automation"	Mr. Prabhakar Gavali, Branch Manager, Prolific Systems & Technologies Pvt. Ltd. Pune
11	11-03-16	Expert Lecture On "Proteus"	Er. Sameesh Kambale, Soliton Technologies Pvt. Ltd. Bangalore
12	10-02-16	Guest Lecture	KABILBANO, Mr. Sandeep Sharma Director Kabilbano, Mumbai

13	23-01-16	One Day Workshop On "Practical Approach In Computer Networking"	Prof. S. D. Bhopale, TKIT Warnanagar
14	23-01-16	One Day Workshop On DSP & Code Composer Studio	Mr. Mohammad Naseer, Texas Instruments(Edgate Technologies)
15	18-01-16	Seminar On "Industrial Automation"	Mr. Prabhakar Gavali, Prolific System & Technologies
16	12-01-16	Guest Lecture T/P "Campus for You"	Mr. Ajinkya Kulkarni & Mr. Amit Prabhu, Director, Campus For You, Kolhapur
17	20-10-15	Training Program On "ARM9 Microcontroller & Programming"	Er. Geetha Nazre, technical manager, Keil-Arm Bangalore
18	30-09-15	Seminar on "career in embedded system in next five years"	Mr. Suryakant Dodmise, Core Technologies, Kolhapur
19	16-01-14	Intel chip manufacturing stages	Mr. Prasad Chavan, Intel Corporation, Bangaluru
20	24-03-12	Electronic Devices & Automated PCB plant with pick & place robots	Mr. Sakib Mujawar, ENSOFT Industries Shirval, Pune
21	27-02-12	Operating Systems	Mr. V. K. Desai, KITCOE Kolhapur
22	18-01-12	Employability Counseling	Mrs. Deshpande Perfect M Academy
23	23-09-11	HR Interview techniques	Mr. Chaitanya Nirodi, Business Head, Champion Internet Solutions, Mumbai
24	29-08-11	Value Education & Environment Science for Personality Development	Mr. Nerli S.M., Belgaum

### c) Expert Lectures arranged for students:

Year	Subject Name	Name of expert	Duration of Course
	Guest Lecture On "Hardware Networking-CCNA"	Mr. Mahesh Mudholakar	2 Hr. Each
2016- 17	Guest Lecture On "College To Corporate"	Mr. Ravindr Mahajan	2 Hr. Each
	Guest Lecture On "Control System Engg."	Dr. Y. M. Patil	2 Hr. Each
	Guest Lecture On "PCB Manufacturing Process"	Er. Vikas Patil	2 Hr. Each

	Guest Lecture T/P "Campus For You"	Mr. Ajinkya Kulkarni & Mr. Amit Prabhu	2 Hr. Each
2015- 16	Guest Lecture	Mr. Sandeep Sharma	2 Hr. Each
	Expert Lecture On "Proteus"	Mr. Sameesh Kambale	2 Hr. Each
	Microcontrollers	Prof. R. D. Patil	1 Hr. Each
2014-	Control System Engg.	Prof. Y. M. Patil	-
15	Embedded System Design	Dr. S. A. Patil	-
	Automation In Textile Industries	Er. S. N. Kate	-
	Operating System	Er. Ajay Panjabi	1 Hr. Each
2013-	Power Electronics & Applications	Er. Rajesh Piralkar	-
14	Programming Lab C/C++	Er. Sangram Patil	-
	Control System	Prof. U. A. Patil	1
2012-	Power Electronics & Drives	Er. Vijay Patki	1 Hr. Each
13	Microprocessor Peripherals & Interfacing	Prof. S. S. Patil	
	Industrial Automation	Er. P. P. Walvekar	1 Hr. Each
	Power Electronics	Prof. Y. K. Kanase,	-
2011-	Micro-controllers	Prof. S. S. Pawar	-
12	Analog communication	Prof. K. R. Desai	-
	Control System	Prof. Y. M. Patil	-
	VLSI Design	Er. Prasad Chavan	-

### 33. Teaching methods adopted to improve student learning

- Black Board teaching method
- LCD / PPT teaching method
- Problem Solving
- Interactive Learning
- Project based learning
- NPTEL Video
- Group Discussion
- Learning through Industrial Visit
- Seminar based learning
- Tutorial sessions

# 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Sr.	Activity	Date	Hours
1	DigiLocker	29/2/2016	
2	Flag Hosting	26/1/2016	
3	e-Complain Campaign	26/1/2016	
4	Police Mitra	27/9/2015	
5	Adventure Trek at Kamalgarh	12/9/2015	
6	Raksha Bandhan	29/8/2015	
7	Cloth Donation	28/8/2015	
8	Flag Hosting	15/8/2015	
9	Kranti Din Rally	9/8/2015	
10	Paper Bag Distribution	8/8/2015	
11	Tree Plantation	31/7/2015	
12	Cleaniliness Campaign At Panhala	26/7/2015	
13	Notebook Donation at Ashram Shala	26/7/2015	
14	World Population Day	11/7/2015	
15	Earth Hour	28/3/2015	3
16	Women's Safety Training	7/3/2015	10
17	Road Safety Week	1/2/2015	4
18	Republic Day	26/1/2015	3
19	Workshop on Manufacturing of paper bags	25/1/2015	5
20	One Day Camp at Panhala Pradakshina	17/1/2015	10
21	Lecture On ATS	5/1/2015	3
22	Balika Din	3/1/2015	4
23	Gadage Baba Punyatithi	20/12/2014	4
24	Sardar Patel Jayanti	31/10/2014	4
25	Police Mitra at Dasara Chowk	3/10/2014	6
26	Gandhi Jayanti	2/10/2014	5
27	Rangna Fort Cleaning	21/9/2014	24
28	Sound Pollution Awareness	14/9/2014	6
29	Teachers day	5/9/2014	5
30	Flag Hosting	15/8/2014	3
31	Rakshabandhan at CBS	10/8/2014	5
32	Police Mitra at Mahadwar Road	8/8/2014	8
33	Police Mitra at Rajarampuri	6/8/2014	18

#### **Blood Donation Camp**

18-02-16	DYPCET,	42 bags	D. Y. Patil Hospital
	Electronics	collected	Dnyanshanti
	Dept.		Blood Bank, Kadamwadi
12-02-15	DYPCET,	25 bags	D. Y. Patil Hospital
	Electronics	collected	Dnyanshanti
	Dept.		Blood Bank, Kadamwadi
12-02-14	DYPCET,	65 bags	D. Y. Patil Hospital
	Electronics	collected	Dnyanshanti
	Dept.		Blood Bank, Kadamwadi
11-02-13	DYPCET,	50 bags	D.Y. Patil Hospital
	Electronics	collected	Dnyanshanti
	Dept.		Blood Bank, Kadamwadi

Sr.	Date	Activity	Participants
1	15/9/2016	Teachers & Engineers Day	All Students & Staffs
2	3/9/2016	Art & Skill Exhibition	Students of Dept.
3	15/6/2016 to	Yoga Training	All Faculties
	21/6/2016		
4	08/02/2015	Tree Plantation & Fort	15 Faculties & 125 Students
		Cleaning	(SE,TE & BE)

#### 35. SWOC analysis of the department and Future plans

#### a) Strengths

- Highly qualified, experienced and dedicated faculty members
- Laboratories are well equipped with required, Hardwares and softwares and computing facilities.
- Recognized Research Centre by Shivaji University Kolhapur.
- Faculties are up to date with the current technologies by attending workshops and seminars.
- Many of our students secured rank in the merit list of Shivaji University.
- Best teaching and learning practice.
- Empowering students with co curricular and extra-curricular activities.

#### b) Weaknesses

- Research and Consultancy activities to be improved.
- Lack of Quality Students Intake.
- Inadequate industrial interaction and minimum placement in core Industry.
- Minimum number of research project.

### c) Opportunities

- Scope for improving R & D activities through industrial interaction.
- Scope for improving placement through interaction with alumni.
- Upcoming and emerging technologies in local and global field

#### d) Challenges

- To improve placement record.
- Electronics Engineering as a preferred choice
- Quality intake

#### **Future Plan**

- Enhancing research involvement of Faculties and Students.
- Promoting staff for Industrial Training.
- To enhance off-campus placement record, more interaction with alumni.

#### INFORMATION TECHNOLOGY

1. Name of the Department : Information Technology

2. Year of establishment : 1999

- **3. Names of programmes offered:** BE (Information Technology )
- 4. Names of Interdisciplinary programmes and departments involved:

Sr.	Name of Interdisciplinary Course	Department
1	Engineering Maths III	Mathematics
2	Environmental Science	Civil Engineering

- 5. Examination System: Annual/Semester/Trimester/Choice Based Credit System: Semester-wise
- 6. Participation of the department in the courses offered by other departments:

Sr.	Name of Interdisciplinary Course	Department
1	Computer Graphics	Mechanical Engineering
2	C++ Programming Language	Mechanical Engineering

- 7. Courses in collaboration with other universities, industries, foreign institutions, etc.:
  - -Foundation Programme of Infosys Campus Connect
  - -Spoken Tutorial of IIT Bombay
- 8. Details of programmes discontinued, if any, with reasons :No
- 9. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Teaching Posts	Filled
Professor	01
Associate Professors	Nil
Asst. Professors	05

10. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Dr. K. V. Kulhalli	PhD	Professor	ANN. IP, Mobile, Cryptography	33	3

11. List of senior Visiting Fellows, adjunct faculty, emeritus professors: NA

- 12. Percentage of classes taken by temporary faculty programmewise information: Not Applicable
- 13. Student Teacher Ratio: 15:1 Indicate pursuing

Sr.	Name of Staff	Designation	Qualification
1	Dr.Mrs.K.V.Kulhalli	Vice Principal,	M.S.(E&C).Ph.D
1		Professor, HOD (IT)	(ETX),MBA
2	Mrs. V.P.Patil	Assistant Professor	ME(CSE)
3	Miss.S.B.Patil	Assistant Professor	ME(CSE)
4	Mrs.R.R.Kulkarni	Assistant Professor	ME(CSE)
5	Mrs.T.H.Patil	Assistant Professor	ME(CE)
6	Miss. M. M. Jagtap	Assistant Professor	M.Tech.(CSE)

14. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

Type of Staff	Filled
Technical	02

15. Qualification of teaching faculty with DSc/D.Litt/Ph.D./MPill/PG:

Degree	No. Of Faculty
Ph.D.	01
PG	05

- 16. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.: 01-RGSTE-In Process
- 17. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received :Nil
- **18.** Research Center /Faculty recognized by the University: Faculty recognized- Dr.Mrs.K.V.Kulhalli
- 19. Publications:

a) Publication per faculty:

Sr.	Name of Faculty	No. of Publications			ions
No.		IJ	NJ	IC	NC
1	Dr. K. V. Kulhalli	26	2	28	36
2	Ms. S. B. Patil	1	-	ı	-
3	Mrs. V. P. Patil	1	-	2	-
4	Mrs. T.H.Patil	1	-	ı	-
5	Ms. M.M.Jagtap	1	-	1	-
6	Dr. K. V. Kulhalli	26	2	28	36

### 20. Areas of consultancy and income generated :Nil

#### 21. Faculty as a member in

- Dr. Kshama V. Kulhalli
- a) National committee --LMISTE
- b) International committee---IAENG,IAAS
- c) Editorial board ----IJCSIT(International journal of Computer science & Information Technology)

#### 22. Student projects

- percentage of students who have done in-house projects including inter-departmental projects: 90%
- percentage of students doing projects in collaboration with other universities/ industry/institute :10%

Sr.	Academic Year	Name of Sponsored Project	
1	2016-17	SAVYCart: Peer to Peer Market place for students	
2	2015-16	Safai Mitra- A digital friend for clean city	
3	2015-16	Functional frame and fitness Gym management	
4	2015-16	An approach for automization of Sugar factory	
5	2015-16	E-employment for bank	
6	2012-13	Passenger oriented software for M.S.R.T.C	
7	2012-13	Global business process Model	
8	2011-12	ERP module for managing quality in Building Construction	
9	2011-12	Enterprise Resource Integrated System	

# 23. Awards /recognitions received at the national and international level by faculty:

#### **Students**:

Year	Activity	Name of Student	Prize
2015-16	Project Competition	Rakhee Menon, Pradyna Savekar, Vilas Awasarmol	1 <sup>st</sup>
2015-16	Project Competition	Akshay Patil, Ranjit Kalgude, Vrishali Bhosale	3 <sup>rd</sup>
2014-15	Project Competition	Sachin Aundhkar Yogesh Ghadage	1 <sup>st</sup>
2012-13	Quiz Competition	Yash Dave	2 <sup>nd</sup>
2011-12	Paper Presentation competition	Suman Saurav	1 <sup>st</sup>
2011-12	Paper Presentation competition	Suman Saurav	2 <sup>nd</sup>
2011-12	Paper Presentation competition	Suman Saurav	$2^{\rm nd}$

# 24. List of eminent academicians and scientist /visitors to the department:

VC Shivaji University-Takawale, Chairman SDM-Virendra Hegde, Dr.Awale & Dr.Mankar Ex-VC-Batu. Ex.Technical Advisor to PM-Sam Pitroda, Dr.Vijay Bhatkar,Dr.Anil Kakodkar,Controller of Examiner S.U,Industrialist –Kiran patil,GPI, Director-Ashitosh Gowarikar, Actress -Padmini Kolhapure.

# 25. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any Workshop funded:

Sr.	Dates	Workshop name	Targeted
			audience
1	12/3/2016	Hadoop Technology	B.E. IT students
2	21/08/2014	Fundamentals of economics and	Staff
		management	
2	09/02/2014	Network Implementation & Security	Students and
3	10/02/2014		staff
4	29/03/2013	Business Intelligence System	B.E. Students
5	12/2/2013	Android for Mobile Technologies	B.E. IT and CSE

MOU: A Plus Education Private Limited, Bangalore

#### 26. Student profile programme-wise

Name of the Programme (refer to question no. 4)	Applications received	Sele	cted
IT	Not Known	Male	Female
2014-15	190	89	101
2013-14	241	120	121
2012-13	196	105	91

#### 27. Diversity of students

Name of the Programme/year		% of students from the same university	% of students from other universities within the State	% of students from other countries
IT	2014-15	93	7	NIL
IT	2013-14	91	9	NIL
IT	2012-13	92	8	NIL

**28.** How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. –

erve details talegery wise.			
Sr.	Year	No. of Students (GATE+GRE)	
1	2016-17	01	
2	2014-15	01	
3	2013-14	02	
4	2012-13	01	

#### 29. Student progression

Student	Progression	Year	No. of Students	Percentage against
		2012	02	3.34
UG to PG		2013	02	3.34
UGWFG		2014	01	1.67
		2015	05	8.33
PG to M.Pl	hil	-	Nil	Nil
PG to Ph.D	)	-	Nil	Nil
Ph.D. to Po	st-Doctoral	-	Nil	Nil
		2012	08	13.33
		2013	02	3.33
	Campus	2014	04	6.67
	Selection	2015	11	18.33
		2016	08	13.33
Employed		2017	04	6.67
		2012	08	13.33
	Other than	2013	13	21.67
	Campus	2014	16	26.67
	Recruitment	2015	02	3.33
		2016	03	5.00
E-4		2012	01	1.67
		2013	01	1.67
Entreprene	eurs	2014	Nil	Nil
		2015	Nil	Nil

- **30.** Details of departmental infrastructural facilities with regard to
  - (i) Library: Department is having a dedicated library comprising 660 Titles.
  - Total Areas of the Library (in Sq. Mts): 19.20 sq.Mtr
  - Total seating capacity: 10
  - Working hours: 10am.to 6.00 pm
  - (ii) Internet facilities for staff and students :Yes, Structured cabling ,Wi-Fi, Access point,20MBPS
    Wi-Fi facility- Yes

- (iii) Total number of class rooms:02
- (iv) Class rooms with ICT facility:Yes
- (v) Students' laboratories

No.of Computers	Required softwares	Lab Name	Area(sq.mtr)
22	OS Ubuntu,	Lab IA/IB	<b>5</b> 0.24
22	Java,Tomcat,Wamp		78.24
	Server, XAMPP server		
	Visual Studio,Star		
26	UML, Java, GlassFish	Lab IIA/IIB	77.80
	Server		
24	Oracle10g,Java	Lab IIIA/IIIB	79.55

- (vi) Research laboratories : **No**
- 31. Number of student receiving financial assistance from college, university, government or other agencies: Nil
- **32.** Details on student enrichment programmes : Workshop, seminar, special lecture

Sr.	Dates	Workshop name	Targeted audience
1	5 <sup>th</sup> Jan. 2015 to 31 <sup>st</sup> Jan. 2015	Pedagogy for Effective use of ICT in Engineering Education	Faculty
2	10/07/2014 to 20/07/2014	Cyber Security	Faculty
3	30/06/2014 to 05/07/2014	Computer Networking	Faculty
4	16/06/2014 to 21/06/2014	Computer Programming	Faculty
5	23rd-24 Feb &2nd-3rd March 2013	ISTE Workshop on AAAP	IT Students

#### 33. Teaching methods adopted to improve student learning:

Interactive environment is developed so that maximum number of students can be involved in teaching & learning process. Possible animation, use of ICT, NPTEL video lectures are used to enrich this process.

- i) Lecture method: Teaching through lectures by using black board as well as LCD projectors.
- ii) **Interactive method**: Teaching through conducting debates on the topics related to the subject handling.
- iii) **Project based learning**: Analyzing, designing, implementing and documenting skills of the students are improved by assigning miniprojects, half semester projects and full semester projects.

- iv) Computer assisted learning: Quizzes are conducted.
- v) **Experimental learning**: The students are trained to do programming through lab experiments.
- vi) **Seminars**: The students are encouraged to take Technical seminar which is used to improve the presentation skills of the students.
- 34. Participation in institutional social responsibility (ISR) and extensional activities:

Students actively participate in college level activities conducted by the College at large, like NSS, Blood Donation Camps.

# 35. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

- a) Strengths
  - Demand for the course in market;
  - Excellent infrastructure
  - Motivated faculty members;
  - Learning Management System

#### b) Weaknesses

- Lack of flexibility in introducing innovative and job/entrepreneurial development oriented subjects in syllabus
- Lack of funded projects

#### c) Opportunities

- Internal/External funding for projects
- Organizing International Conferences

### d) Challenges

- Getting funded projects
- Training students beyond academics
- Fluctuating demand in Industry
- Recruiting highly research oriented faculty

#### MECHANICAL ENGINEERING

1. Name of the department : Mechanical Engineering

2. Year of Establishment : 1984

3. Names of Programmes / Courses offered : UG

Name of Program	Year of Establishment	
UG (Mechanical Engineering)	1984	

4. Names of Interdisciplinary courses and the departments/units involved-

Sr.	Name of Interdisciplinary	Department
1	Electrical Technology	Electrical Engg.
2	Environmental Science	Environmental Engg.
3	Engineering Mathematics III	Mathematics Engg.

- 5. Annual/ semester/choice based credit system (programme wise)-Semester based system
- 6. Participation of the department in the courses offered by other departments-

Sr.	Course Offered	Department
1	Basic Mechanical Engg	Civil, Electronics, Computer
2	Engg. Graphics	Sciences, Production, Chemical
2		,I.T

- 7. Courses in collaboration with other universities, industries, foreign institutions, etc.- Nil
- 8. Details of courses/programmes discontinued (if any) with reasons Nil
- 9. Number of teaching posts: for 180 Intake

<b>Teaching Posts</b>	Filled
Professors	1
Associate Professors	03
Asst. Professors	30

# 10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Sr.No	Name of Faculty	Degree	Specialization	Experiance
1	Prof.S.R.Todkar	M.E	Design	31
2	Prof.(Dr.) Gujar	Ph.D.	Mechanical -	20
	Anantkumar	(Mechanical	Production	20
3	Mr.M. B. Kittur	M.E	Heat Power	33
4	Mr.P. D. Bagade	B.E	Mechanical	30
5	Mr.R. G. Benni	B.E	Mechanical	29

	MMMO	D.F.	3.6 1 1 1	20
6	Mr.N. M. Qureshi	B.E	Mechanical	29
7	Mr.D. N. Deomore	M.E	Heat Power	20
8	Mr.A.V. Ghute	M.E	Heat Power	13
9	Mr.P. A. Mane	M.E	CAD-CAM-	7
			CAE	,
10	Mr.D. A. Sawant	M.Tech	Automobile	4
11	Mr.U.N. Patil	M.E	Heat Power	8
12	Mr.V. I. Pasare	M.Tech	Automobile	8
13	Jadhav D. P.	M.Tech	Design	5
1.4	M 1' N T	M.E	CAD-CAM-	7
14	Mohite N. T.		CAE	7
1.5		M.E	Mechanical -	0
15	Chougale Y. G.		Production	9
16	Bhingare Y.K.	M.E	Design	9
17	Shelar P. B.	M.E	Design	1
18	Patil A. S.	M.E	Mechanical -	6
19	Patil A.A.	M.E	Heat Power	4
20	Pandav P. A.	M.E	Design	4
21	Patil Abhijit S.	M.E	Automobile	2
22	77 1 1 1 1 1	M.E	Mechanical -	_
22	Kalyankar A.N.		Production	7
23	Patil S.S.	M.E	Automobile	2
24	Yadav R.D.	M.E	Automobile	1
25	Chougule R.R	M.E	Design	1
26	Sonavane S.K.	M.E	CAD-CAM-	4
27	Chougule G.A.	M.E	Heat Power	3
28	Kale V.S.	M.E	CAD-CAM-	6
29	K.C.Budhale	M.E	Automobile	1
30	Hrishikesh K.	M.E	Metallurgy	5
31	Niranjan Shinde	M.E	CAD-CAM-	0.5
32	Gujar S.R.	M.E	Design	0.5
33	Harane P.P	M.E	Product-Design	0.5
34	Raijadhav S.P.	M.E	Product-Design	0.5
	Javazza - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -			

### 11. List of senior visiting faculty

Name of Faculty	Designation
Mr. S.K.Deshpande	Asst. Professor
Mr.S.M.Pise	Asso. Professor
Mr.A.A.Hingave	Asst. Professor
Mr.P.M.Harshe	Asst. Professor

# 12. Percentage of lectures delivered and practical classes handled (programme wise)by temporary faculty:

Percentage of lectures delivered: Nil

Percentage of practical classes handled: Nil

- 13. Student -Teacher Ratio (programme wise)- 18:1
- 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled.

	Sanctioned	Filled
Academic support staff (technical)	05	05

15 Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG

Sr.	Name of Faculty	Degree	Specialization
1	Prof.S.R.Todkar	M.E	Design
	Prof.(Dr.) Gujar	Ph.D. (Mechanical	Mechanical -
2	Anantkumar Jotiram	Engg.)	Production
3	Mr.M. B. Kittur	M.E	Heat Power
4	Mr.P. D. Bagade	B.E	Mechanical
5	Mr.R. G. Benni	B.E	Mechanical
6	Mr.N. M. Qureshi	B.E	Mechanical
7	Mr.D. N. Deomore	M.E	Heat Power
8	Mr.A.V. Ghute Patil	M.E	Heat Power
9	Mr.P. A. Mane	M.E	CAD-CAM-CAE
10	Mr.D. A. Sawant	M.Tech	Automobile
11	Mr.U.N. Patil	M.E	Heat Power
12	Mr.V. I. Pasare	M.Tech	Automobile
13	Jadhav D. P.	M.Tech	Design
14	Mohite N. T.	M.E	CAD-CAM-CAE
15	Chougale Y. G.	M.E	Mechanical - Production
16	Dhin com VV	M.E	
17	Bhingare Y.K. Shelar P. B.	M.E M.E	Design Design
18	Patil A. S.	M.E M.E	Mechanical -
19	/Patil A.A.	M.E	Heat Power
20	Pandav P. A.	M.E	Design
21	Patil Abhijit S.	M.E	Automobile
22	Kalyankar A.N.	M.E	Mechanical - Production
23	Patil S.S.	M.E	Automobile
24	Yadav R.D.	M.E	Automobile
25	Chougule R.R	M.E	Design
26	Sonavane S.K.	M.E	CAD-CAM-CAE

27	Chougule G.A.	M.E	Heat Power
28	Kale V.S.	M.E	CAD-CAM-CAE
29	K.C.Budhale	M.E	Automobile
30	Hrishikesh K. Jadhav	M.E	Metallurgy
31	Niranjan Shinde	M.E	CAD-CAM-CAE
32	Gujar S.R.	M.E	Design
33	Harane P.P	M.E	Product-Design
34	Raijadhav S.B.	M.E	Product-Design

- 16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received-NIL
- 17. Departmental projects funded by DST FIST; UGC, DBT, ICSSR, etc. and total grants received-NIL
- 18. Research Centre /facility recognized by the University-NIL
- 19. Publication per faculty:

Sr.	N 65 k	No. of Publications			
No.	Name of Faculty	NJ	IJ	NC	IC
1	Todkar S.R.	2	0	4	3
2	Dr. Gujar A.J.	1	13	7	3
3	Kittur M.B.	0	0	0	8
4	Bagade P.D.	2	0	2	
5	Benni R.G.	1	6	1	6
6	Qureshi N.M.	2	3	0	3
7	Deomore D.N.	2	0	0	1
8	Ghute Patil A.V.	1	0	4	1
9	Mane P.A.	4	1	2	1
10	Pasare V.I	4	1	2	2
11	Sawant D.A.	0	2	0	1
12	Patil U.N.	3	1	4	2
13	Jadhav D. P.	2	1	0	1
14	Mohite N. T.	0	3	0	1
15	Chougale Y. G.	6	0	5	0
16	Bhingare Y.K.	0	2	2	2
17	Shelar P. B.	0	0	0	0
18	Patil A. S.	0	0	1	0
19	/Patil A.A.	0	0	1	0
20	Pandav P. A.	0	2	0	1
21	Patil Abhijit S.	2	0	0	0
22	Kalyankar A.N.	0	0	0	0

23	Patil S.S.	1	0	0	0
24	Yadav R.D.	0	0	0	0
25	Sonavane S.K.	0	1	0	0
26	Chougule G.A.	0	6	0	0
27	Kale V.S.	0	3	0	0
28	K.C.Budhale	0	1	0	1
29	Hrishikesh K. Jadhav	0	0	0	0
30	Niranjan Shinde	0	1	1	0
31	Gujar S.R.	1	2	1	2
32	Harane P.P	0	2	0	0
33	Raijadhav S.P.	2	3	1	0
34	Chougale R.R.	1	0	0	0

<sup>\*</sup> Number of papers published in peer reviewed journals (national /international) by faculty and students -NIL

Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) -NIL

Monographs, Chapter in Books, Books Edited, Books with ISBN/ISSN numbers with details of publishers, Citation Index, SNIP, SJR, Impact factor, h-index-NIL

#### 20. Areas of consultancy and income generated: Nil

### 21. Faculty as members in -NIL

a) National committees b) International Committees c) Editorial Boards.

#### 22. Student projects:

- a) Percentage of students who have done in-house projects including inter departmental/programme.- 70%
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies.- 30%

#### 23. Awards / Recognitions received by faculty and students

Year	Name of Student	Name of Activity	State/National/ International
2015-16	Shubham Nakate	National level- thung-tha	National Level
2014-15	Shubham Nakate	Silver medal in Wushu	State level
2014-15	Shubham Nakate	Bronze whuhu National level- thung-tha	State level

### 24. List of eminent academicians and scientists / visitors to the department-

The following resources persons have visited the college and conducted state level conference/seminar:

- 1. Mr. Sandip Salokhe- Sanmill Industries, Kolhapur visited Department during ISTE, Student chapter
- **2.** Mr. Rahul Gondkar- Widia Cutting Tools ,Kolhapur visited Department during ISTE Student chapter
- **3.** Mr. A.V.Kulkarni-Owner Anukool Engineering, Kolhapur, visited Department during ISTE Student chapter
- **4.** Mr. Shrikant D. Dudhane- Chairman of Kolhapur Engineering Association & Director of Threadlines India Pvt. Ltd. MIDC Gokul Shirgaon visited Department during ISTE Student chapter
- **5.** Mr. Shivaji Salokhe- MD of Wilo Mather platt, MIDC Gokul Shirgaon visited Department during ISTE Student chapter
- **6.** Mr.M.M.Wagh- DOT Asst.Prof. visited Department during ISTE Student chapter
- 7. Mr. Paranjape- Retired Senior Engineer TATA Power visited Department during ISTE Student chapter
- **8.** Mr. Nilesh Narvekar- n-GEN control system visited Department during ISTE Student chapter
- **9.** Colonel (Retd) Shivaji Thorat has given a lecture on "Career Opportunities in defense services"
- 10. Mr. Akshay Yelekar has given lecture on "Guidance session on IES
- **11.** Mr. Nilesh Narvekar- n-GEN control systemGuest lecture on "Guideline for Project Selection

## 25. Seminars/ Conferences/Workshops organized & the source of funding –

a) National- Guest Lecture.

Sr.	Guest	Subject	Date
1	Prof. Guo Peng, Prof. Lin Tao,	Awareness of lost foam process and rapid prototyping	2/2/2015
2	Mr. Vijay K.Sankpal	Practical Aspect Of Gear Design	9/2/2015
3	VJ Aisha	College wire programme	3/2/2015
4	Mr.Jain	Opportunity for higher study and scholarships	25/1/2015
5	Mr. Shrikant Dudhane, Mr. A.V.Kulkarni. Prof. M.M. Wagh,, Mr.Shivaji Bhosale	ISTE Workshop	23/2/2015
6	Mr. Nilesh Narvekar	ISTE Student chapter- Automation	23/03/2015

### Workshops-

Year	No. of courses organized by department	Name of course	<b>Duration of course</b>
2014-15	1	Teaching methodology	1 day
2013-14	2	Faculty development program and ISTE workshop on Fluid mechanics	1 day and 2 week

### b) International -NIL

#### 26. Student profile programme/course wise:

Name of the	Applications		Enr	olled
Course/programme	received	Selected	Male	Female
Mechanical 2015-16	600	600	530	69
Mechanical 2014-15	565	565	510	55
Mechanical 2013-14	475	475	426	49

### 27. Diversity of Students –

Name of the Course	Students from the	Students from other States	Students from
(Mechanical Engineering)	same state	other states	abroad
2015-16	120	NIL	NIL
2014-15	120	NIL	NIL
2013-14	120	NIL	NIL

# 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Sr.	Year	Exam Type	No. of Students
4	2015-16		2
3	2014-15	GATE	5
2	2013-14		5

### 29. Student progression

Student progression	Against % enrolled
UG to PG	12
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-

Employed - Campus selection	10
Other than campus recruitment	
Entrepreneurship/Self-employment	-

### 30. Details of Infrastructural facilities

### a) Library

Sr.	Particular Particular	Quantity
1	Total Number of books	1457
2	No. of Titles	300

### b) Internet facilities for Staff & Students - YES

c) Class rooms with ICT facility- YES (02 No.s)

### d) Laboratories

Sr.	Curriculum Lab Description	Exclusive	Area
		Use / Shared?	(sq.m.)
1	CAD CAM Lab No. 01	Exclusive	55.84
2	CAD CAM Lab No. 02	Exclusive	39.65
3	CAD CAM Lab No. 03	Exclusive	39.65
4	Tool Engg. Lab	Shared	55.84
5	Applied Thermodynamics Lab.	Exclusive	39.65
6	Heat and Mass transfer Lab.	Shared	145.35
7	Metrology and Quality Control Lab.	Shared	54.87
8	Theory of Machines Lab.	Shared	90.28
9	Manufacturing Processes Lab.	Shared	
10	Metallurgy Lab.	Shared	54.87
11	Internal Combustion Engines Lab.		
12	Industrial Fluid Power Lab.	Shared	142.35
13	Fluid Mechanics and Turbo machinery	Shared	182.36
	Lab.		
14	Automobile Engineering Lab.	Exclusive	48.19
15	Measurement and Control Engineering	Shared	48.08
	Lab.		
16	Mechatronics	Shared	57.04
17	Machine shop	Shared	345.53
18	Workshop	Shared	250.50

# 31. Number of students receiving financial assistance from college, university, Government or other agencies –

Financial Assistance Under Scheme	Academic Year	No. of Students
SC	2013-14	43
	2014-15	65
	2015-16	70
	2016-17	72
VJNT	2013-14	48
	2014-15	33
	2015-16	42
	2016-17	38
OBC	2013-14	91
	2014-15	65
	2015-16	82
	2016-17	78
SBC	2013-14	0
	2014-15	5
	2015-16	7
	2016-17	8

# 32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts

Sr.	Date	Workshop name	Resource Person
1	11/2/2016	'Kabil Bano' Training for	Dr. S.N.Sapli
		Aptitude Test. For BE	
		students	
2	4/2/2016	Guest Lecture on 'Practical	Vijay Sankpal
		Aspects of Gear Design'	
		for TE students	
3	4/2/2016	Guest Lecture on 'Asian	Dr. B.S.Gavali &
		Academy of Profession	
		Training for piping' for	
		BE students	
4	28/1/2016	Campus For You, Campus	Mr. Prabhu
		Recruitment Training	
		Program from 'Triveni	
		Turbine' for TE students	
5	23/02/2015	Renewable energy Mr. A.V. Kulkarni	
		workshop and industry	Prof. M.M. Wagh
		college interaction	Mr. ShrikantDudhane
6	09/02/2015	Practical aspect of gear Mr. Vijay Sankpal	
		design	
7	03/02/2015	College wire	RJ- Aisha

8	02/02/2015	Awareness of lost foam	Prof. Mr. GuoPeng
		process casting and rapid	Mr. Lin Tao and Mr. Zong
		prototyping	Mr. Ravi Doli
9	27/01/2015	Opportunity for higher	Mr. Jain
		study and scholarships in	
		abroad	
10	13/03/2014	Power plant engineering	Mr. ArvindParanjape
<u> </u>			
11	07/02/2014	Industrial piping	Mr. PramodDeshmukh
12	27/01/2014	Practical aspect of gear	Mr. Vijay Sankpal
		design	
13	24/01/2014	Application of CAD	Janhavi S. Patil
		Software's	

- **33. Teaching methods adopted to improve student learning** LCD, OHP, Charts, Models, Video Films, Hnad on Training.
- 34. Participation in Institutional Social Responsibility (ISR) and Extension activities –

#### **Public Awareness Camp-**

- Earth Hours
- Police Mitra (During Ganesh Festival)

#### **NSS Camp**

- 7<sup>th</sup> January to 10<sup>th</sup> January2015 (Kushire Kolhapur)
- 9<sup>th</sup> January to 12<sup>th</sup> January2014 (Budhwar Peth Panhala)
- 21<sup>st</sup> January to 24<sup>th</sup> January2015

#### 35. SWOC analysis of the department and Future plans –

#### a) Strengths

- Experienced, dedicated and enthusiastic faculty with a very good blend of youth and experience
- The department is free from bureaucracy and is run in an open, congenial and healthy atmosphere.
- The staff turnover among the senior faculty is almost negligible.
- The department has latest CAD/CAM/CAE software, the facility that is among the best in the university.
- Department is equipped with good machine shop with VMC.
- A healthy interaction between students and faculty and wholehearted support for student activities are the hallmarks of the department.
- Good academic performance.

#### b) Weaknesses

• Lack of faculty with Ph.D. Qualification.

- Very few publications by the faculty.
- The research and consultancy work is not upto the mark.
- There is scope for further improvement in infrastructure.
- There is scope for increasing the Industry- College interaction.

#### c) Opportunities

- To emerge as a department with excellence in the field of mechanical engineering.
- To motivate staff to improve their qualification.
- To motivate staff to carry out research and consultancy activities.
- To counsel students for better academic performance and placements.
- To build a strong bond with renowned industries through Alumni Cell.

#### d) Challenges

- Ever growing number of engineering colleges in vicinity, affecting quality of students.
- Guide the students in other aspects of career to fill the gap between the Industrial requirement and syllabus set by University.
- To provide outcome based education to the students in the given time span and to develop soft skills in them.

#### **Future plans**

To initiate the process to start Post-Graduate programme and a Ph.D. Research centre.

#### PRODUCTION ENGINEERING

1. Name of the department : Production Engineering

2. Year of Establishment : 1997

3. Names of Programmes / Courses offered (UG, PG, Ph.D., and Integrated Masters; Integrated Ph.D., etc.) : BE- Production Engineering.

4. Names of Interdisciplinary courses and the departments/units involved

Sr.	Name of Interdisciplinary Course	Department
1	Engg. Mathematics	Basic Sciences
2	Electrical Technology & Electronic Engg.	Electrical Engg. Wing of
		Electronics Dept.
3	Environmental Science	Civil Engg.

- 5. Annual/ semester/choice based credit system (programme wise):
  Courses are offered as per Shivaji University Syllabi- Semester based Marking System.
- 6. Participation of the department in the courses offered by other departments

Sr.	Name of Interdisciplinary Course	Department	
1	Electrical Technology & Electronic	Electrical Engg. Wing of	
	Engg.	Electronics Dept.	
2	Basic Mechanic Engg.	Basic Sciences	
3	Engg. Graphics	Basic Sciences	
4	Workshop Practice I & II ( all	Carpentry, Fitting, smithy-	
	branches)	Forging, Sheet Metal, welding	
		Labs	

- 7. Courses in collaboration with other universities, industries, foreign institutions, etc.

  NIL
- 8. Details of courses/programmes discontinued (if any) with reasons
- 9. Number of Teaching posts

Teaching posts	Filled
Professors	1
Associate Professors	
Asst. Professors	09
Adjunct Professor	04

12. Faculty profile with name, qualification, designation, specialization, (M.E.,/M. Tech./Ph.D. etc.)

Name	Qualification	Designation	Specialization	No. of Years
				of
				Experience
D. D. V.V	M. T. J. Dl. D	A see Duef	Dua da ati an Mat	
Dr. Dr. K.Y.	M. Tech, Ph.D.	Asso. Prof.	Production Mgt.	27
Shiralkar			T & D	
A.G. Kelkar	B.E. M.B.A	Asst. Prof.	Management	22
	Ph.D. (Regd.)			
P. D. Chougule	M.E.(Mech),	W/S Supdt.*	Manufacturing	23
	Ph.D.(Regd.)	Asstt. Prof.		
S. J. Raykar	M.E.	Asstt. Prof.	Machining and	15
	Mech-Prod.		Otimization	
/ S. S. Warke	M. E.(CAD-	Asstt. Prof.	Cad-Cam	06
	CAM)			
M.R. Latte	M. Tech.	Asstt. Prof.	IE &Production	04
	Mech-Prod			
R. B. Heddure	M. Tech.	Asstt. Prof.	Production	03
	Mech-Prod			
S. S. Chougule	M.Tech.	Asstt. Prof.	Design	02
	Mechanical			
Y. D. Pawar	M. Tech.	Asstt. Prof.	Production	02
	Mech-Prod.			
S. R. Patil	M.Tech.	Asstt. Prof.	Production	03
	Mech- Prod			

#### 11. List of senior visiting faculty

Mr. M.K. Lokhande

Mr. Rahul Suvarna

# 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Occasionaly - subjects like metallurgy.

### 13. Student -Teacher Ratio (programme wise)

15:1

# 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Academic Support Staff (Technical)

Filled : 03 (Machine Shop), Administrative Staff

Filled: 3

#### 15. Qualifications of teaching faculty with Ph.D/ PG / BE.

PhD awarded	01
PhD Registered Faculty	03
M.E. / M.Tech Completed	10

16. Number of faculty with ongoing projects from a) National b) I nternational funding agencies and grants received

National: 01 International: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Sr.	Project Funding Authority	Title of the Project	Duration	Fund Received in INR Rs.	Project Status
1	RGSTC	Technology Development in Kolhapur Type Jaggery Making	5 years	1,20,00,000/-	In Energy Efficiency Analysis Stage – 100% Completed

- 18. Research Centre /facility recognized by the University NIL
- 19. Publications:
  - a) Publication per faculty Total 67

Sr.	Name of the Faculty	Upto 2016-17	
		National	International
1	Dr. K.Y. Shiralkar	04	02
2	A.G. Kelkar	02	
3	P. D. Chougule	08	04
4	S. J. Raykar	10	11
5	S.S. Warke	06	02
6	M.R. Latthe	06	05
7	R.B. Heddure	01	01
8	S.R. Patil		01
9	Y.D. Pawar	03	01

Number of papers published in peer reviewed journals (national /International) by faculty and students

International Journal- Energy for Sustainable Development- Energy Improvements in Jaggery Making Process -3.6 Impact Factor

- Number of publications listed in International Database (For Eg: Web of Science, Scopus-13, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.)
- Monographs, Chapter in Books, Books Edited, Books with ISBN/ISSN numbers with details of publishers: NIL
- Citation Index- 32 Nos.
- SNIP, SJR, h-index : NIL
- Impact factor 3.6

#### 20. Areas of consultancy and income generated - NIL

#### 21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards

	Sr.	Name of the Faculty	Name of	Details of	
		member	<b>Institutional Bodies</b>	designation	
Ī	1	Mr. S.J. Raykar	ISTE	ISTE Co-coordinator	

#### 22. Student projects

- Percentage of students who have done in-house projects including inter departmental/programme: 10% (Majorly self financing)
- Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: 90% (Sponsored by Industries for themselves)

# **23.** Awards / Recognitions received by faculty and students Faculty:

Sr.	Name of the Faculty	Recognition
1	Dr. K.Y. Shiralkar	PG
2	P.D. Chougule	PG

#### Students:

University Rankers of Production Engineering Department

Academic Year	2015-16	2014-15	2013-14
No. of rank holders	1	1	2

# 24. List of eminent academicians and scientists / visitors to the department

Mr. K.J. Patil, Mr. V.N. Deshpande, Mr. M.K. Lokhande, Mr.A.V. Bhave, Mr. D.S. Shipurkar, Mr. C.S. Murgudkar, Mr. V.V. Kulkarni

# 25. Seminars/ Conferences/Workshops organized & the source of funding

a) National - NIL

b) International - 01

#### 26. Student profile programme/course wise:

Name of the	Year	<b>Applications</b>		Enro	olled	
Course/programme		received	Selected	*M	*F	Pass
B.E. Production	2015-16	NA	262	250	12	90.41
B.E. Production	2014-15	NA	265	254	11	95.52
B.E. Production	2013-14	NA	246	233	13	88.15

\*M = Male \*F = Female

#### **27.** Diversity of Students:

	Name of the Course & Year	% of students from the same state	% of students from other States	% of students from abroad
ſ	2015-16	100	NIL	NIL
	2014-15	100	NIL	NIL
ſ	2013-14	100	NIL	NIL

# 28. How many students have cleared national and state competitive examinations such as GATE, Civil services, Defense services, etc.?

Year	Examination	Appeared	Qualified
	CAT		
	GATE / GRE / TOEFL	GATE- 37	GATE- 1
2013-14	GMAT	GAIE- 37	GAIE- I
	Central / State Services		
	CAT		
	GATE / GRE / TOEFL	GATE- 45	GATE- 1
2012-13	GMAT	UAIE-43	UAIE- I
	Central / State Services		

### 29. Student progression:

Student progression	Against % enrolled
UG to PG	44
PG to Ph.D.	NIL
Ph.D. to Post-Doctoral	NIL
<ul><li>Employed</li><li>Campus selection</li><li>Other than campus recruitment</li></ul>	05 116
Entrepreneurship/Self-employment	27

#### 30. Details of Infrastructural facilities

- a) Library: Books 950
- b) Internet facilities for Staff & Students- Yes, wi-fi for both Staff and Students
- c) Class rooms with LCD facility 3 Nos
- d) Laboratories- Yes, Labs 06 Nos. (Prod) + 09 (Shared with Mech. Dept)

# 31. Number of students receiving financial assistance from college, university, government or other agencies

Title	2016-17	2015-16	2014-15
Scholarship & free ship	37	49	69
SC	04	06	14
VJNT	08	10	9
OBC	22	26	44
SBC	03	07	2

# **32.** Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

### • Guest Lectures :

Year	List of lectures/seminars from eminent persons, scholars	Topics of lecture / seminar	Date
2015-	Mr.Mandar Deshpande	GATE -2017	29/07/2016
2016	Dr. Dahibhate	Spiritual Development	19/08/2016
	Mr.Mahesh Desai	National Integrity	05/09/2014
	Mr.Mandar Deshpande	GATE -2015	5/08/2014
2014- 2015	Dr.Geetanjali Deshpande	Intellectual Property Rights	01/09/2014
	Mr.Vikas Bodake	Role of Engineer & Entrepreneurship	12/09/2014
	Prof.Ansar Mulla	MATLAB programming	08/09/2014
2013-	Miss.Anuradha Dhanal	Automobile in India	18/01/2014
2014		with processing	

### • Workshops/ Seminars :

Sr.	Date	Workshop name	Organized by	Targeted audience
1	19/08/2016	Spiritual Development	Production	SE,TE,B.E.
2	29/07/2016	GATE -2017	Production	TE,B.E.
3	11/02/2015	One day Workshop on Advances in Metrology	Production- ISTE	T.E,B.E
4	10/09/2014	MAT lab programming	Production	B.E
5	5/9/2014	Guest lecture on National Integrity	Production	B.E
6	1/09/2014	Guest lecture on Intellectual property rights	Production	B.E
7	29/3/2014	Introductory lecture on GATE 2015	Production	B.E
8	22,23/03/201 4	Two day workshop on Robotics	Production	S.E,T.E,B.E
9	15/10/2013	One day workshop on machine tools and cutting tool Technology	Production - ISTE	T.E,B.E
10	13/10/2013	One day workshop on Plastic Technology	Production	T.E
11	25/3/2013	One day workshop on Foundry Technology	Production	S.E

#### 33. Teaching methods adopted to improve student learning

- Use of IELTS online lectures
- Use of multimedia Presentation
- Interactive teaching
- Project / Model Lab
- Role play by students for mechanisms
- Traditional Chalk and duster technique- White and Green Boards.
- Power Point Presentations.
- Videos.
- Case studies through different national and international papers.
- Expert lectures.
- Industrial visits, vocational trainings (TE).
- Mini projects(SE), Research Seminars(TE), Projects (BE)
- Case studies related to Marketing Mgt. and Material Handling systems course.

## 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Various camps arranged by PRESM: Various Public awareness camps

#### 35. SWOC analysis of the department and Future plans

#### a) Strengths

- Final Year Results (BE): 90-95%
- University Rankers: 1-2 every year Totalling 34 Nos till date
- Well Qualified, dedicated, sincere and hard working faculty.
- Excellent academic track record
- MOU's signed with Industries
- Equipment Donations by Industries
- Tech-vision Exhibition Cum Evaluation of Mini-Proj, Research Seminars and B.E. - Projects
- Confidence of stake holders and thereby preferential admissions.

#### b) Weakness

- Presentable identity of the Production Department
- Consultancy, R & D activity needs improvement

#### c) Opportunities

- Academic strength of the department is encashable
- Industrial environment is interactive and prospective
- Resources of research scholar can be exploited

#### d) Challenges

- Average quality of the aspiring students.
- Ever increasing competition with basic branches and new colleges for admissions.

- Unknown importance of the branch in the society / Stake holders.
- Unawareness of career planning leading to poor employability
- Fulfillment of industrial expectations due to advances in the technology.

### **Future Plans**

- To introduce PG programmes
- To initiate and develop recent production center/s.

### GENERAL ENGINEERING

1. Name of the department : General Engineering

2. Year of Establishment : 1984

- 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):
- 4. Names of Interdisciplinary courses and the departments/units involved: NA
- 5. Annual/ semester/choice based credit system (programme wise): Semester
- 6. Participation of the department in the courses offered by other departments:

Participative Unit	Other Department
Engineering Mathematics	All Departments
Engineering Chemistry	Chemical Engineering

- 7. Courses in collaboration with other universities, industries, foreign institutions, etc.: NA
- 8. Details of courses/programmes discontinued (if any) with reasons:  $\ensuremath{NA}$

9. Number of Teaching posts

Teaching posts	Filled
Professors	01
Associate Professors	01
Asst. Professors	08

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M. Phil. etc.,)

Name	Qualification	Designation	Specialization	Experience
Mr. K. P. Chopade	M.Sc.	Asso. Prof.	Mathematics	31
Mr. A. A. Rathod	M.Sc, Ph. D.	Asso. Prof.	Chemistry	30
Mrs. A. V. Kadam	M.Sc, Ph. D.	Asst. Prof.	Physics	12
Mrs. P. S. Chavan	M.Sc.	Asst. Prof.	Mathematics	08
Mr. S. B. Patil	M.Sc.	Asst. Prof.	Mathematics	03
Miss S. R. Patil	M.Sc.	Asst. Prof.	Mathematics	01
Mr. M. C. Mendegiri	M.Sc	Asst. Prof.	Chemistry	10
Mr. R. M. Sayyad	M. A.	Asst. Prof.	Professional Communication	07
Mrs. S. Z. Bhai	M. A.	Asst. Prof.	Professional Communication	14
Mrs. V. V. Patil	M. Sc.	Asst. Prof.	Physics	02

- 11. List of senior visiting faculty: NIL
- 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 65% (This Ratio is calculated on the basis of faculty in General Engineering department only)
- 13. Student -Teacher Ratio (programme wise): 29.7 : 1

Number of students admitted	Number of Teachers
323	10

# 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Lab. Assistant	02	02
Peon	03	03

## 15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:

Ph. D. Completed	02
PG Completed	08

# 16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Number of Faculty with ongoing Projects	<b>Grants Received</b>
01	21,80,000

# 17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

Sr.	Project Title	Principal Investigator, Designation with dept	Funding agency	Amount	Year
1	Electro-deposited of stable W03 Thin films for Electrochromic films	Dr.A.V.Kadam.	Shivaji University	25,000	2,014
2	Hydrothermally grown nanostructured tungsten oxide thin film for smart window	Dr.A.V.Kadam.	DST SERB NEW DELHI	21,55,000	2,014

18. Research Centre /facility recognized by the University: NIL

#### 19. Publications:

a) Publicationions per faculty

Name of Faculty	National Level	International Level
Mr. A. A. Rathod	12	02
Mrs. A. V. Kadam	03	08

# Number of papers published in peer reviewed journals (national / international) by faculty and students

Name of Faculty	National Level	International Level
Mrs. A. V. Kadam	03	04

Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

- Monographs, Chapter in Books, Books Edited, Books with ISBN/ISSN numbers with details of publisher; NIL
- Citation Index:

Sr.	Name of Faculty	Details
1	Dr. A. V. Kadam	240

• SNIP, SJR : NIL, Impact factor : NA

#### • h-index :

Sr.	Name of Faculty	Details
1	Dr. A. V. Kadam	h-index: 7
		I10 index : 7

#### 20. Areas of consultancy and income generated: NIL

#### 21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards: NIL

#### 22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme: 10%
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: NA

#### 23. Awards / Recognitions received by faculty and students:

	Sr.	Name of Faculty	Details
Ī	1	Dr. A. V. Kadam	Young Scientist award 2014
	2	Dr. A. V. Kadam	Research Guide

# 24. List of eminent academicians and scientists / visitors to the department:

Sr.	Name of Faculty	Details
1	Dr. P. S. Patil	Co-coordinator and Professor, School of NanoTechnology, Shivaji University, Kolhapur

- 25. Seminars/ Conferences/Workshops organized & the source of funding: NA
- 26. Student profile programme/course wise: NA
- **27. Diversity of Students:** NA:
- 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?: NA
- **29. Student progression :** NA : This data is made available in department wise record
- 30. Details of Infrastructural facilities
  - a) Library:
    - 1. No. of Titles: 1535
    - 2. No. of Volumes: 3237
  - b) Internet facilities for Staff & Students:
    - 1. The internet facility of 100mbps is provided along with computers of latest configuration to all faculty members.
    - 2. The WIFI facility is made available to all students and faculty in the campus.
  - c) Class rooms with ICT facility
  - d) Laboratories: 03
    Engineering Physics (01), Engineering Chemistry (01),
    Language Lab (01)
- 31. Number of students receiving financial assistance from college, university, government or other agencies: NA (This data is made available in department wise record)
- 32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:
  - 1. Special Lecture by Dr. P. S. Patil on "Nano Technology"
  - 2. Two days training program for module "Career Orientation Program" by Techrel Solution Pune
  - 3. Two days training program for module "Career Orientation Program" by Globarena Technologies Private Ltd. Hyderabad
  - 4. Two days training program for module "Soft Skill Competencies in 21st Century" & "English Language Communication Skills" by Globarena Technologies Private Ltd. Hyderabad

- **33. Teaching methods adopted to improve student learning** Power Point Presentation, Model Display and Videos.
- 34. Participation in Institutional Social Responsibility (ISR) and Extension activities : NIL
- 35. SWOC analysis of the department and Future plans
  - a) Strengths
    - Well equipped classrooms
    - Experienced, well qualified Teaching and Non-Teaching Staff
    - Regular monitoring of attendance and conduct of tests.
    - Well equipped research lab in Physics
    - The funds from research project is used to sponsor the projects of final year students

# b) Weaknesses

- Industrial interaction
- Poor input quality of the students

# c) Opportunities

• Interaction with industries

# d) Challenges

- To improve academic performance of students
- To retain experienced faculty

## **Future Plans**

• To increase social awareness, Extension activities of the students.



#### DR. D. Y. PATIL PRATISHTHAN'S

# PATIL COLLEGE OF ENGINEERING & TECHNOLOGY

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Accredited by NBA

website:-www.dypkopeng.ac.in

Founder President:

Padmashree Dr. D. Y. Patil

President: Dr. Sanjay D. Patil

Ref No. DYPCET / ENGG /

Date: 29/3/2017

### DECLERATION BY THE HEAD OF THE INSTITUTION

I certify that the data included in the Self Study Report (SSR) are true to the best of my knowledge.

The Self Study Report (SSR) is prepared by the institution after discussion and no part thereof has been outsourced.

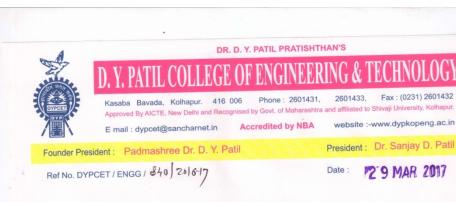
I am aware that the Peer Team will validate the information provided in the Self Study Report (SSR) during the Peer Team visit.

Date: 29/03/2017

Place: Kolhapur

KASABA BAIADA KOLHAPUR S

Dr. Vijay R. Ghorpade
PRINCIPAL



# Certificate of Compliance

(Affiliated Colleges)

This is certify that D. Y. Patil College of Engineering & Technology, Kasaba Bawada, Kolhapur fulfils all norms.

- 1. Stipulated by the affiliating University and or
- 2. Regulatory Council/Body (such as UGC, AICTE, COA) and
- 3. The affiliation and recognition (if applicable) is valid as on date.
- 4. In case the affiliation/recognition is withdrawn by the authority concerned the same will be informed to NAAC immediately.

In case the affiliation/recognition is conditioned, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date: 29/03/2017

Place: Kolhapur



Dr. Vijay R. Ghorpade PRINCIPAL

SHIVAJI UNIVERSITY, KOLHAPUR 02797

# CERTIFICATE

This is to certify that University approval is given to D.Y. Patil College of Engineering and Technology, Kasaba Bawada, Kolhapur to conduct the following courses for the academic year 2016-17.

### ENGINEERING FACULTY

F.E. to B.E. Semester I to VIII

Govt./DTE Approval

- एनजीसी-१०९७/जी-१५८५, दिनांक ०८/०९/१९९७

University Recent Approval

- संलग्नता/टी-२/बीएसपी/विद्यापरिषद विषय क्र. १९०/ दि. २३/०२/२०१६/५४ दिनांक २ एप्रिल,२०१६

- F.No.Western/1-2809663908/2016/EOA,

A.I.C.T.E. Approval

Dt. 25-Apr-2015 Branches - Civil Engineering - 60, Mechanical Engineering - 60, Electronics Engineering - 60, Computer Science and Engineering - 60, Chemical Engineering - 60 Production Engineering - 60, Information

Technology Engineering - 60.

**Direct Second Year** 

Govt./DTE Approval

- टिईएम-२०१३/प्र. क्र.१७७/तांशि-४, दि. १५ मे, २०१३

A.I.C.T.E. Approval

- F.No.Western/1-2809663908/2016/EOA,

Dt. 25-Apr-2016

University Recent Approval - संलग्नता/टी-२/बीएसपी/विद्यापरिषद विषय क्र. १९०/

दि. २३/०२/२०१६. जा. क्र. ५४ दिनांक २ एप्रिल,२०१६

Branches - Direct Second Year

1. Civil Engineering - 60

2. Mechanical Engineering - 60

F.E. to B.E. Variation in Intake - 60 To 120

Govt./DTE Approval - शासन निर्णय क्र.टीईएम - प्र.क्र.१८(भाग-११) तांशि-४,दि. ३०/०६/२०१२ - F.No.Western/1-2809663908/2016/EOA, Dt. 25/04/2016 A.I.C.T.E. Approval University Recent Approval - संलग्नता/टी-२/बीएसपी/विद्यापरिषद विषय क्र. १९०/

दि. २३/०२/२०१६/५४ दिनांक २ एप्रिल,२०१६

Branches - Mechanical Engineering- 60 To 120,

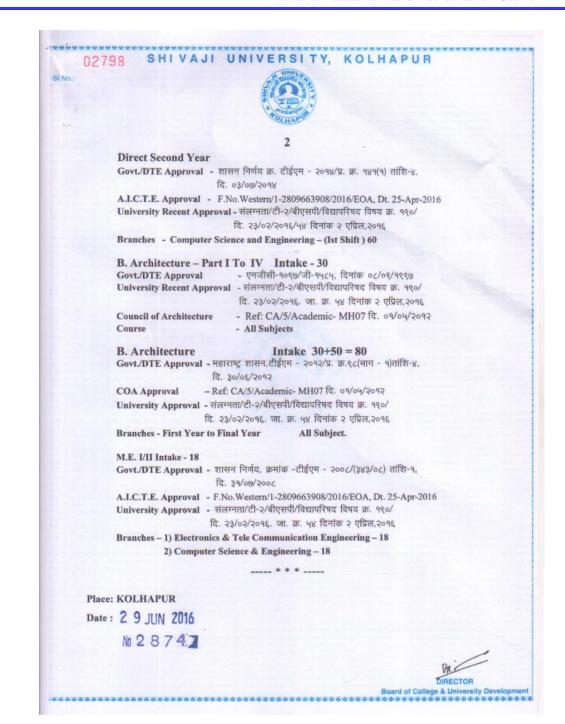
Computer Science & Engineering - 60 To 120

**Direct Second Year** 

Govt./DTE Approval - शासन निर्णय क्र.टीईएम -२०१३/प्र. क्र. १७७/तांशि-४दि. १५ मे, २०१३ A.I.C.T.E. Approval - F.No.Western/1-2809663908/2016/EOA, Dt. 25-Apr-2016 University Recent Approval - संलग्नता/टी-२/बीएसपी/विद्यापरिषद विषय क्र. १९०/

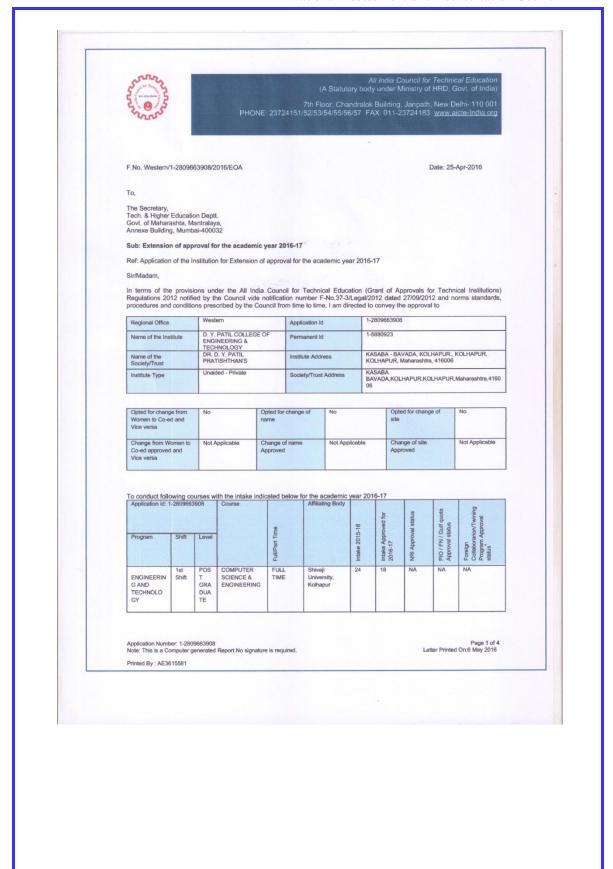
दि. २३/०२/२०१६/५४ दिनांक २ एप्रिल,२०१६ Branches - 1. Civil Engineering - 60 2. Mechanical Engineering - 60

DIRECTOR



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	,	(पाठयक्रम :- प्रयो	गशाळा मान्यता	- Ph.D. Computer Sc	ience & Engg. )	
	महोदय,	ण्या मुदाविद्यालगाकदन	ਯੂਰ 2093-20	१९४ या शैक्षणिक वर्षापासन	खालील अभ्यासक्रमाच्या प्रयोगशाळा	
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	अ.क्र.	संलग्नीकरणाचा प्रकार	अभ्यासक्रम	विषय	विद्यापीठाची मान्यता	
	٩.	प्रयोगशाळा मान्यता	Ph.D.	Computer Science & Engg.	जून २०१३ पासून जून २०१६ पर्यत तीन (०३) वर्षासाठी	
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	Conditio	n-				ntac
1	1. C	Only one Faculty is har hould be allowed as pe	ving Ph.D. re r rule of the u	ecognition, Hence, max	imum approved Number of candida	ites
	2. ₹	गरीरिक शिक्षण संचालक -	- नियुक्तीस विद	यापीठाची मान्यता प्राप्त नाह	ही.	
	3. ₹	iशोधनपूरक प्रकल्प व संश NCTE/University अटीन्	धिन (Ph.D) क	रण्यास शिक्षकांना प्रोत्साही	त करावे.	
					ੀ ਸ਼ੁਰੂ ਕਰੀ ਸ਼ੁਰੂ ਕਰਗਤ ਸ਼ੁਰੂ ਹੈਗਾਰਿਤ	
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	-	प्राचीन जागीयन काला	ाधी लक्षात घेर र ती दक्षता घ्या	हन त्याच्या पुढील नुतनीव वी.	करणाचा प्रस्ताव विहीत शुल्कासह विद्या	पीठ
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शिवाजी विद्यापीठ, कोल्हापूर - ४१६ ००४ महाराष्ट्र दूरध्वनी ईगीबीएक्स- २६०९००० संलग्नता टी-२ विभाग दुरध्वनी -०२३१ - २६०९०९९/९२ Estd: 1962 B' Accredited by संचालक , बी.सी.यु.डी. कार्यालय, दूरध्यनी : (शेट) ०२३१ - २६०९०६९/७० संदर्भ क्र. रांलग्नता/टी-२/व्हीटीडी/विद्यापरिषद विषय क्र. २८८/दि. १५/०५/२०१४/ No 3 44.4 - 1 6 JUN 2014 पति मा. प्राचार्य, डी. वाय. पाटील कॉलेज ऑफ इंजिनिअरींग ॲण्ड टेक्नॉलॉजी, कसवा बावडा, कोल्हापूर. विषय :- आपल्या महाविद्यालयाच्या खालील अभ्यासक्रमांच्या संलग्नीकरण प्रकाराबाबत विद्यापीठाची संदर्भ :- आपले जा. क्र. DYPCET/ENGG/459/2013-14, दि. २९/१०/२०१३चे प्रस्ताव. उपरोक्त विषय व संदर्भानुसार आपणास कळविण्यात येते की, आपल्या महाविद्यालथाकडून जून, २०१४ पारान मान्यतेसाठी खालील संलग्नीकरण प्रकाराचे व अभ्यासक्रमाचे प्रस्ताव प्राप्त झाले होते. या प्रस्तावारा स्थानिक चौकशी समितीने व छाननी समितीने घातलेल्या खालील अटी पूर्ततेच्या अघीन राहून विद्यापीठाने पुढीलप्रमाणे मान्यता दिली आहे. विद्यापीठाची मान्यता अभ्यासक्रम/शाखा रांलग्नीकरणाचा अ.क्र. पकार जून २०१४ पासून जून, २०१७ Ph.D. प्रयोगशाळा मान्यता पर्यंत तीन (०३) वर्षासाठी (Electronics & Tele Communication) स्थानिक चौकशी समितीने व छाननी समितीने निमृद केलेल्या अटी खालीलप्रमाणे आहेत. स्थानिक चौकशी समितीने सुचविलेल्या अटी -Conditions if any -9. The proposed location for research laboratory is shown the same should be equired wiht necessary aninities for the purpose of research.\* 2. At least 4 PGs with latest configuration be procured at least one of them should be of works tation type configuatin. 3. IEEG subscrption should be made multiser. 8. Reference books worth Rs. 40,000/- be procured as per the area of research. संलग्नीकरणाच्या नुतनीकरणाची मान्यता ही स्थानिक चौकशी समितीने व छाननी समितीने घाउजेत्या अटी पूर्ततेच्या अधीन राहून केली असल्याने आपल्या महाविद्यालयाने सदरच्या अटींची पूर्वता केल्यानंतर व त्यास विद्यापरिषदेने मान्यता दिल्यानंतरच सदरच्या संलग्नीकरणास मान्यता कायम केली जाईल याची कृपया नोंद घ्यावी. सबब उपरोक्त सर्व अटीची पूर्वता करुन संबंधित कागदपत्राच्या सत्यप्रतीसह अटीपूर्वता अहवाल या पत्राच्या दिनांकापासून एक महिन्यात विद्यापीठास सादर करावा. तसेच उपरोक्त मान्यतेचा कालावधी लक्षात घेऊन पुढील मान्यतेचा प्रस्ताव विहीत शुल्कासह विद्यापीठास मुदतीत सादर करण्याची योग्य ती दक्षता घ्यार्व B. Y. PATIL COLLEGE OF ENGG. & TECH: K BAYADA, KOLHAPUR. महाविद्यालय व विद्यापीठ विकास गंडळ



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ENGINEERING   Shift   GRA	G AND TECHNOLO		T GRA DUA	N	FULL TIME	University,	18	18	NA	NA	NA	
ENGINEERIN Shift T A DUA CY TE ENGINEERING TIME University, Koftspur	G AND TECHNOLO	1st Shift	T GRA DUA	& TELE- COMMUNICATI ON		University,	18	18	NA	NA	NA	
ENGINEERIN G AND TECHNOLO GY  TECHNOLO GY  ENGINEERIN G AND TECHNOLO GY  TECHNOLO G	G AND TECHNOLO		T GRA DUA	HEAT POWER ENGINEERING	FULL TIME	University,	18	18	NA	NA	NA	
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ENGINEERIN GAND TECHNOLO GY  1st UND TECHNOLO TECHNOLO GY  1st UND TECHNOLO TECHN	G AND TECHNOLO		2nd Yr DIRE	MECHANICAL ENGINEERING		University,	60	60	NA	NA	NA	
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Application Number: 1-2809663908  Application Number: 1-2809663908  Note: This is a Computer generated Report No signature is required.  Letter Printed On's May 2016	G AND TECHNOLO		ER GRA DUA			University,	60	60	NA	NA	NA	
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