



**DY PATIL**  
COLLEGE *Of*  
ENGINEERING & TECHNOLOGY  
KASABA BAWADA

# ARPAN<sub>2K17</sub>

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# Blessings



## Hon. Dr. D. Y. Patil

Ex-Governor of Bihar  
Founder President,  
Dr. D. Y. Patil Pratishthan


There is only one religion in the world  
ie religion of love. There is only one  
language in world language of heart-  
There is only one God in the world  
and he is omnipresent

There is only one law in the world  
ie law of good deed and law of  
Karma.

There is only one case of  
humanity.

Service to the humanity  
is service to God hence that  
help is more holier than lips that  
pray

So-good thoughts, reap  
good actions. Sow good actions  
reap good habits. Sow good habits  
reap good character. Sow good  
character reap good destiny. By  
Blessings and good to all.

  
28/1/2017

## *Blessings*



### **Hon. Dr. Sanjay D. Patil**

President,  
Dr. D. Y. Patil Pratishthan

In this new era where times are very competitive and it is the survival of the fittest, I urge the youth to put in the best of their efforts. We have come to a point where we are living on the edge. Each stage of our life either we perform or perish.

These four years of your academic career are supposed to be the most challenging years of your life, as it decides your future and builds your dreams. Age is such that we have several distractions and destructions around. Here I would like to demand few things from my students

- 1) Sincerity towards academics
- 2) Sports for fitness
- 3) Cultural activities to display our culture
- 4) Respect towards entire fraternity
- 5) Healthy environment
- 6) Sportsmanship in your attitude

Time is yours, make the most of it. Make us feel proud and I assure you that our organization will put in best of our efforts to fulfill your dreams and expectations.

Sky is the Limit , challenging world is waiting outside for you , prepare yourself to conquer it.

My best wishes would always be with you .

With Regards,  
**Dr. Sanjay D. Patil**

*Blessings*



**Hon. Satej alias Bunty D. Patil**

Vice-President,  
Dr. D. Y. Patil Pratishthan  
MLA, Maharashtra Legislative Council

Greetings!!!

I am pleased to interact with you through this message. With reference to census (India) 2011 and UN reports published, the age group 10 to 24 years population of India is 35+ cores which is 19% in the same age category world population. This clearly indicates, India is the youngest country in the world.

India has adopted Liberalization, Privatization and Globalization policy by signing general agreement on trade & tariffs (GATT) in 1991. This phenomenal decision has put us in the group of technologically advanced countries. The Indian youth has earned very good trust in foreign community, by efficiently serving in foreign industries. Now the time has come to shift our focus in designing products/services indigenously and making them available to others which will create lots of opportunities to our youths as well. To make this happen every youth needs to upgrade himself/herself with very good soft skill along with the other required skills. Every student must focus on inculcating emotional intelligence which is normally high in back benchers and is very much useful in handling the real life situations. In fact there is need of good collaboration in front and back benchers. While visiting various places across the globe, I do come across DYPCETians, which creates very proud feeling being a part of D. Y. Patil Group. I see a leader in every DYPCETian studying here and express my best wishes for their bright career.

Happy Time

**Yours, Satej...**

## *Inspiration*



### **Hon. Shri. Ruturaj S. Patil**

Trustee,  
Dr. D. Y. Patil Pratishthan

This is the beginning of a new Dawn. It's my privileged to address you all though this forum. We are all fortunate enough that we are associated with a 34 year old establishment Dr. D.Y Patil, who has seen the golden era of education. This organization are the pioneers in education, hospitality and retail.

Times are changing and we need to pace up with it. We have to be technically very advanced. Keep ourselves updated with current affairs. Know how we can utilize the digital world for our own growth.

Now let me update you on few initiatives that I have taken up to ensure that we also pace up with the current scenario.

1. Focus on training
2. Focus on placement
3. Technically advanced equipment's
4. International tie ups
5. Newer Infrastructure
6. Research and development

I have taken a personal goal to ensure that we line up to your expectation. May it be education, sports or culture. It's a pride to share that we have the most renowned faculty and we have more than 5000 alumni writing their success story across the globe.

I wish you all the best for achieving greater success and scaling newer heights in your education and career ahead.

With Regards,  
**Ruturaj S.Patil**



## From the Principal's Desk



**Dr. Vijay R. Ghorpade**  
PRINCIPAL

I extend my heartiest congratulations to all of you on your success in your respective classes and hail you to this prestigious institution, as we advance towards another academic session with still greater hopes and still higher ambitions. Ambition is the guiding force and hope is the sustaining factor in one's life. Therefore, the youth must be full of enthusiastic optimism and pragmatic ambitions.

We are in the post modern era where science and technology are the corner stones on which the edifice of society rests. Everyone come in this world along with inherent qualities. We find that we have not explored even our own selves completely. We need to analyze ourselves and find our dormant talents. Our renowned institution provides you the fertile land where the seeds of the dormant talents find proper environment to sprout and grow.

Our College is one of the premier institutions, unique like a prism reflecting the manifold shades of learning and co-curricular activities. When you come to D. Y. Patil College of Engg. & Tech., Kolhapur you will find that career education is being imparted within the framework of general education. You will also find a different atmosphere of teaching methods e.g. classroom lectures, audio-visual programmes, seminars, take home assignments and tests which lead to a vibrant academic progress.

Our qualified faculty members teach you to think logically, judge critically and communicate clearly. This history of the college tells about the various achievements of the students of the students. So I hope even you will acquire success in every sphere of life and carry the legacy ahead.

I wish you all a very happy present and a still happier future.

**Dr. Vijay R. Ghorpade**  
PRINCIPAL

# ARPAN FAMILY





## Editorial



**Prof. Ravindra Benni**

Chief Editor

It is my pleasure to hand over 'ARPAN' to you all. We strived hard, gave our best possible efforts to make 'ARPAN' really versatile. We have tried to give the students those memories that stand as a footprint of progress where each word speaks out knowledge and wisdom. It gives the scope and freedom to imagination power of the students to express their line of thought through creative writings. Besides imagination is a mirror to our academic progress, co-curricular and extra-curricular activities, achievements and a reflection of the strength of our college that gives us new energy to grow.

It is said that "Great power comes with great responsibility" and entire team related to 'ARPAN' experienced that in the real situation. This journey started from shaping up a layout of 'ARPAN', promoting it by giving exposure to the skills possessed by the students as a writer, poet and artist. We selected best creations and finally formed extremely versatile emblem of creativity. There is a saying that "Behavior is a mirror in which everyone displays his own image." If a person thinks good and develops positive thinking, then only good things will be created. Our budding engineers and technocrats keep blooming as writers too. Our team has tried best to present this magazine with varieties of articles, poems and short-stories. You may perceive complete knowledge, entertainment and technological facts.

I express my sincere thanks to our Hon. Chairman Dr. Sanjay D. Patil, our Trustee Hon. Mr. Ruturaj S. Patil and Principal Dr. V. R. Ghorpade for their constant encouragement and all the H.O.D's for their support without which this magazine would not have been possible. I would also like to thank committee members and students of the college magazine. 'ARPAN' is the masterpiece of all the facts of D.Y.P.C.E.T. which has been published with a great aim to feed our bright future for finding a new path of success. This has been possible because of the hard work and true efforts of our team members, management and devotion of such contributors. I hope reading this magazine would lead all to gain knowledge and inspiration. I wish all the luck to the team 'ARPAN'.

**Prof. R. G. Benni**

## INTERNATIONAL AFFAIRS CELL

The International affairs cell is part of DY Patil Group, Kolhapur and provides strategic guidance and expert advice for internationalization and global engagement.

### Goals

- *To arrange international students/faculty exchange program*
- *Partnerships with overseas universities*
- *Joint certification Program*
- *Global Industry Institute Interaction program*
- *Joint Placement Drives*
- *Joint Research Program*
- *Start-up collaboration*
- *Global visits of foreign delegates & students*
- *Explore scholarship & funding schemes*

### Upcoming activities

- *Establishment of skill development, faculty development ,Entrepreneurship development cell, Woman empowerment*
- *Establishment of Research & Development – Intellectual Property rights*



**Inaugural speech by Hon. Ruturaj S. Patil in the presence of Christopher Senft Director, DAAD Germany**

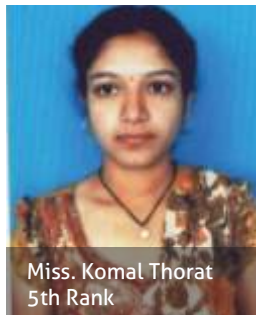


## TRAINING & PLACEMENT CELL



# OUR UNIVERSITY RANKERS

## ARCHITECTURE



## CHEMICAL



## CIVIL



## ELECTRONICS



## PRODUCTION



## MECHANICAL





## OUR FINAL YEAR STUDENTS





## OUR FINAL YEAR STUDENTS





## OUR FINAL YEAR STUDENTS





## OUR FINAL YEAR STUDENTS





# NCETETA- 2016



Inauguration of NCETETA -2016 at the hands of Chief Guest Hon. Dr. D. R. More,



Principal Dr. Vijay R. Ghorpade, addressing the audience



Publication of Proceedings By Dignitaries



Chief Guest. Hon. Dr. D. R. More, Addressing the audience



Chief Guest For Valedictory Function, Prof. A. R. Surve- Addressing the audience



Vote Of Thanks By Prof. S. B. Patil, Convener



## DEPARTMENT OF ARCHITECTURE



Teaching and Non Teaching Staff



A seminar by Ar. Shirish Beri  
at Shahu Smarak Bhavan



A Seminar on 3-D S Max by Prof. Hawal



Aakar Annual Exhibition



Visit to Singapore University



## DEPARTMENT OF ARCHITECTURE



**Exhibition on 'Tracing Narratives-Indian Landscape Design' Visit by Shri. Ruturaj S. Patil**



**Seminar by Ar. David Tokiwa, Singapore**



**Workshop on 'Courtyard Design' conducted by Ar. Milind Randive**



**Independence Day Exhibition -visit by Shri. Ruturaj S. Patil**



**First prize in national level competition held by 'My Art project' of Pune**



**Alumni Meet (Batch - 1997)**



## DEPARTMENT OF CHEMICAL ENGINEERING



Teaching Staff



Inauguration of One Day Workshop on  
“Enhancement of Interpersonal skills &  
keys to crack HR Interviews”



STTP on “Fluid Flow & Unit Operations  
with Plant Visit” at RCF Ltd., Mumbai,  
Also signed MOU with RCF Ltd, Mumbai.



Foundation Day Celebration



## DEPARTMENT OF CHEMICAL ENGINEERING



**Prof. Dr. K. T. Jadhav (HOD) and Prof. A. L. Jadhav with the students during Industrial visit to Roha**



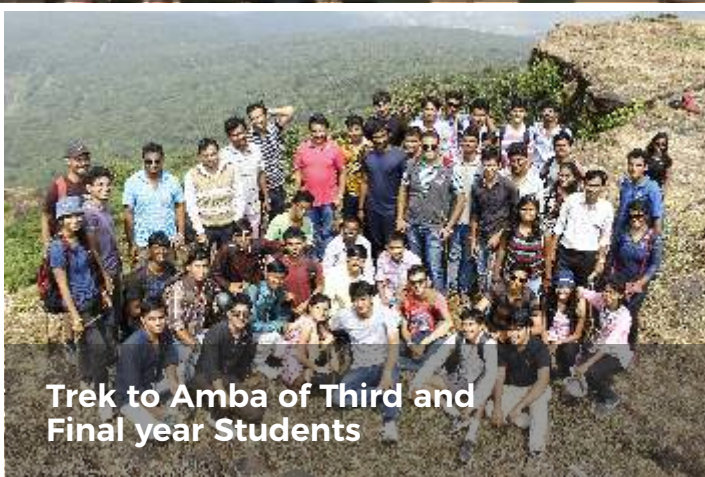
**Girl's students receiving the Runnerup in General Championship**



**ALUMNI MEET**



**Shreya Deshpande Receiving the Best Outgoing Student from Hon. Dr. Sanjay D. Patil (Chairman)**



**Trek to Amba of Third and Final year Students**



## DEPARTMENT OF CIVIL ENGINEERING



Teaching and Non-Teaching Staff



Workshop on "Training of Civil Engineering Software (Structures)" by Mr. Dinesh Nainani



Environmental Awareness Programme by Shri Rajaram Raktwan (Ex-Serviceman of Indian Air Force)



Study tour to Koyna-Hydroelectric Power Project & Wind mill site



Blood Donation Camp



## DEPARTMENT OF CIVIL ENGINEERING



Introductory address by H.O.D. Prof. M. J. Patil at CESA alumni in the Presence of District Collector Mr. Amit Saini



Model & Poster Exhibition



Parent meet



Seminar on Exploring Identity by Mr. Vibhav Shrivastava



## DEPARTMENT OF COMPUTER ENGINEERING



Teaching and Non-Teaching Staff



Expert talk by Prof. Atul Kahate for Teaching Staff



Workshop on Information Security and Ethical Hacking by Mr. Ajinkya Lohakare



Workshop on Python Mr. Aquib Momin



## DEPARTMENT OF INFORMATION TECHNOLOGY



Teaching and Non-Teaching Staff



One Day Workshop under Lead College activity on Hadoop Technology by Mr. Kushal Sharma



Seminar on Cyber Crime by Mr. Bhambure (S. P. Cyber Crime cell)



Technical Event Mastermind Inauguration



Project Competition - Prize Distribution by hands of Vice Principal Dr. Mrs. K. V. Kulhalli



## DEPARTMENT OF ELECTRONICS ENGINEERING



Teaching and Non-Teaching Staff



National Conference NCETETA-2016



Lead College activity  
Go Green LED workshop



Workshop on USB Theme



Syllabus Revision Workshop



## DEPARTMENT OF ELECTRONICS ENGINEERING



Celebration of Engineers Day



Art & Skill Exhibition



Blood Donation Camp



Farewell Function



Alumni meet



Visit of Foreign Delegates



## DEPARTMENT OF MECHANICAL ENGINEERING



Teaching and Non Teaching Staff



One day Faculty Development Training Programme on Emerging trends in Cryogenics - address by H.O.D. Prof. S. R. Todkar



Seminar on Career Opportunities in Defence Services by Colonel Thorat



Inauguration of ISTE Student Chapter



Chief speaker Mr. Abhijeet Kulkarni addressing the audience at ISTE Student Chapter



## DEPARTMENT OF MECHANICAL ENGINEERING



**SAE Baja team Participating in  
Virtual Baja Competition at Bangalore**



**Municipal Health Officer Mr.Vijay Patil  
Awarding Best Project : Urinal  
Auto Flush System**



**Best project- Auto Flush system  
from T.E.mechanical students**



**Alumni Meet at Pune**



**Parent meet**



**Celebrating Engineers day with  
Shri. Avinash Deomore**



## DEPARTMENT OF PRODUCTION ENGINEERING



Teaching and Non-Teaching Staff



Techvision 2016



Happiness Program by  
Dr. Anima Dahibhate



Go-Karting Champions



Alumni meet 2016



## DEPARTMENT OF FIRST YEAR



Teaching and Non-Teaching Staff



Draught Relief Fund Distribution



Engineer's Day Celebration



## ADMINISTRATIVE STAFF



Office Staff



Library Staff



## SPORTS INAUGURATION





## SPORTS ACHIEVEMENTS



Lawn tennis team got Third Prize at Shivaji University Interzonal Tournament



Miss Nilam Patil (CSE) got selected in Shivaji University Handball Team



Pratik Kulkarni Participated in County Cricket Tournament and received best Foreign Player Award



Table tennis team Got third prize at Shivaji University Interzonal Tournament



Basketball team Got Second Prize at Shivaji University Interzonal Tournament



Shubham Nakate (S.E Mech) won Bronze medal in 5th Asian Beach Games 2016, Vietnam



Basketball winner team-Civil Engg



Cricket Winner Team Mechanical Engg



Football Winner Team Civil Engg



## CELEBRATING MOMENTS



**Birthday Celebration of our Chairman Hon. Dr. Sanjay D. Patil**

## Cultural Programme





## CULTURAL PROGRAMME



Inaugural Speech by Hon. Satej alias Bunty D. Patil



Drama Team



Mr. & Miss DYP CET



Drama performance



Ketaki Mategaonkar on the occasion of Promotion of the film 'Phuntroo'



International Yoga Day



Sai Tamhankar, Ajay Atul on the occasion of Promotion of the film 'Jau Dya Na Balasaheb'





Best NSS Coordinator Award from Shivaji University to Prof. P.D.Chougule - by the hands of Vice Chancellor Dr. Devanand Shinde "Our Efforts Came-Up With Blooming Colours"



Brains Behind all NSS Activities  
NSS Coordinators 2016-17



Police Mitra Helping our Police Friends to Manage Crowd and Distribution of Cotton Balls for Ear-Safety of Citizen



Women's Day - Learn to Safe Yourself from the Things which Destroy You



Jyotiba Temple Cleaning



Pargad to Tillari Trekking from Evergreen Forests and Mountain Climbing





**Best NSS Unit Awarded by Shivaji University- Principal & Gymkhana Incharge accepting the award by the hands of Vice Chancellor Dr. Devanand Shinde**



**Earth Hour celebrated by forming 60+ logo at Bindu Chouk, Kolhapur "Save Energy, Save Earth"**



**Guest Lecture on Road Safety by Mr. Bharat Gaikwad (RTO Inspector, Kolhapur) "Drive Safe, Be Safe"**



**Paper Bag Manufacturing Workshop "Best Out of Waste Campaigning"**



**Recycling of Waste Papers, Making Paper Bags through it and Distributing within Shops**



**Cashless Awareness among People in NSS Camp at Kushire Year 2016-17 "Cashless India"**



**Rally against Waste Management "Best Out of Waste"**



# MAKING OF ARPAN 2K17



# PROFESSIONAL ACHIEVEMENTS



## Receiving Best Principal Award from Hon. Subhashji Desai (Minister of Industries)

- = Received I.S.T.E's Best Engineering College Principal Award for the year 2015 for Maharashtra and Goa Section in January 2016.
- = Received Best NSS Unit Award of Shivaji University, Kolhapur in Kolhapur District in March 2016.
- = Working as Coordinator Board of Studies – Computer Science and Engineering, Shivaji University, Kolhapur.
- = Academic Council Member of Rajarambapu Institute of Technology and Government College of Engineering Karad.
- = Member – Board of Studies (Info. Tech.), Walchand College of Engineering Sangli and Government College of Engineering, Karad.
- = Member – Board of Governors, Bharti Vidyapeeth College of Engineering, Kolhapur and Daulatrao Aher College of Engineering, Karad.
- = Delivered key note address on Python Programming at I.S.T.E. – C.S.I. STTP course organized by Sanjay Ghodawat Group of Institute on 11th June 2016.
- = Delivered key note address on Internet of Things at National Conference on Innovative Applications and Research in Computer Science and Engineering on 27th January 2017 organized by Daulatrao Aher College of Engineering, Karad.

## International Publications

- = Location Based Advertising Promotions on Mobile Device.
- = Survey of QoS Routing Protocols in Wireless Multimedia Sensor Networks.
- = Advanced User Authentication System on Mobile for Signing Digital Transactions.
- = Robust and Effective Evil Twin Access Point Detection Technique at End User Side.
- = Node Mobility Prediction in Mobile Grid Computing.
- = Comparison of Data Duplication Algorithms.
- = Detecting Malicious Nodes for Secure Route Discovery in MANET.
- = Performance Analysis of Routing Protocols in Mobile Wireless Sensor Network.