D. Y. Patil College of Engineering and Technology,

Kasaba Bawada Kolhapur

(An Autonomous Institute)

NBA Accredited

NAAC Accredited with 'A' Grade

Structure

of

M. Tech. in Electronics & Telecommunication Engineering

Department of Electronics & Telecommunication Engineering

2023-24

M. Tech. E&TC Scheme of Teaching and Examination w. e. f. A. Y. 2023-2024

(As Per National Education Policy 2020)

D. Y. PATIL COLLEGE OF ENGINEERING & TECHNOLOGY, KOLHAPUR
Teaching and Evaluation Scheme from Year 2024-25
Second Year M. Tech. - Electronics & Telecommunication Engineering
SEMESTER - III

Sr. No.	Course Code	Course Type	Name of the Course	TEACHING SCHEME			CREDITS	Total Marks	Evaluation Scheme			
				L	T	P			Type	Max. Marks	Minimum Marks For Passing	
1	232ETCL601	OEC	**Open Elective –II (SWAYAM /NPTEL)**	3	-	-	3	100	ESE	100	40	40
2	232ETCP602	ELC	Seminar-III	-	-	2	1	50	ISE	50	20	20
3	232ETCP603	ELC	Dissertation Phase – I	-	-	28	14	200	ISE	100	40	40
									ESE-POE	100	40	40
TOTAL				**3**	**-**	**30**	**18**	**350**				

NOTE:- For Open Elective-II: The students are to study on their own by registering to SWAYAM /NPTEL Portal for the course which is multidisciplinary in nature(other than the course related to E & TC Stream). The student should complete the course assignments and appear the Examination conducted by SWAYAM /NPTEL. ESE Marks will be mapped as per the score mentioned on the SWAYAM /NPTEL Course completion certificate issued by SWAYAM /NPTEL.

D. Y. PATIL COLLEGE OF ENGINEERING & TECHNOLOGY, KOLHAPUR
Teaching and Evaluation Scheme from Year 2024-25
Second Year M. Tech. - Electronics & Telecommunication Engineering
SEMESTER - IV

Sr. No.	Course Code	Course Type	Name of the Course	TEACHING SCHEME			CREDITS	Total Marks	Evaluation Scheme			
				L	T	P			Type	Max. Marks	Minimum Marks For Passing	
1	232ETCP604	ELC	Dissertation Phase– II	-	-	36	18	300	ISE	100	40	40
									ESE-POE	200	80	80
TOTAL				0	0	36	18	300				

Note:

1) Tutorials and practical shall be conducted in batches with batch size of 9 students maximum.
2) For Seminar-I/II/III, work load will be for one student.
3) Dissertation Phase I & Dissertation phase II work load will be for one student.
4) Open Elective course (OEC) should be self-learning Online multidisciplinary and it should be completed before the end of respective semester. The course must be of minimum 8/12 weeks duration. The student must appear for Online Certification Examination and produce its certificate.
5) ISE: In Semester Evaluation, MSE: Mid Semester Examination, ESE: End Semester Examination

Total Credits

Sem I	Sem II	Sem III	Sem IV	Total Credits
22	22	18	18	80

Total Credits as per vertices

PCC	PEC	OEC	VSEC	HSSM	ELC	LLC	Total
20	12	6	3	2	35	2	80

D. Y. Patil College of Engineering and Technology
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Department of Electronics & Telecommunication Engineering

First Year M.Tech Curriculum

w.e.f. 2023-2024

Course Title: Seminar-III	
Course Code: 232ETCP602	**Semester** : I
Teaching Scheme : L-T-P :0-0-2	**Credit**: 1
Evaluation Scheme : ISE: 50	ESE: --

Course Description:

This course aims to give exposure to the students for developing the presentation skills & delivery of the knowledge about latest trends in Electronics & Telecommunication Engg.

- Each student is required to deliver a seminar presentation on literature review & methodology for the synopsis topic.
- Publish the review paper based on the literature review to the International conference/Journal/National conference.
- Students are expected to deliver a seminar during tenth week of the semester.

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Second Year M.Tech. Curriculum

w.e.f. 2023-2024

Course Title: Dissertation Phase-I	
Course Code: 232ETCP603	**Semester** : I
Teaching Scheme : L-T-P :0-0-28	**Credit**: 14
Evaluation Scheme : ISE: 100	ESE-POE:100

Dissertation Phase I - Evaluation :

The title and objective of the dissertation will be chosen by the student in consultation with the supervisor(s) and the same will be required to be defended by the student in front of the Department Research Committee (DRC).

Synopsis submission should be completed within first two weeks from the commencement of the semester III. In case, the synopsis and title is not approved, the candidate has to prepare a new synopsis with new title as the case may be and submit to the department. Such synopsis shall be reviewed by DRC and will be placed in front of the expert committee

Dissertation Phase-I work should include 50% of proposed work as mentioned in the approved synopsis.

Progress report/s should be submitted based on the work done after evaluation in the mid of

semester and at the end of the semester.

The In Semester Examination(ISE) shall be conducted by the department committee consisting of Head of the Department or nominee appointed by head, supervisor(s) and a senior faculty member. Each student will require to complete dissertation phase-I and submit hard copy of Report to the department before the end of Semester.

There shall be ESE-POE for 100 marks and the examination will be conducted by a panel of teachers consisting of an External examiner and the Guide.

Note: The Academic Rules and regulations concerned with PG Dissertation (6.16) available on the institute website will be strictly followed.

Second Year M.Tech. Curriculum

w.e.f. 2023-2024

Course Title: Dissertation Phase-II	
Course Code: 232ETCP604	**Semester** : I
Teaching Scheme : L-T-P :0-0-36	**Credit**: 18
Evaluation Scheme : ISE: 100	ESE-POE:200

Course Description:

For dissertation phase-II, first review should be taken within four weeks from the commencement of semester-IV. The Mid Semester Evaluation of the dissertation shall be made by Department Research Committee. The student is required to present the dissertation work. This will be evaluated for 50 marks during semester-IV. This review should include, work completed after phase-I, 70% of code implementation, expected outcome and conference/journal paper based on result.

Second review should be taken within 12 weeks of dissertation phase-II.

This review includes, work completed for phase-II, detailed design, contribution of the candidate,100% of code implementation, experimental results, performance evaluation, comparison with existing system, result analysis and conclusion, two papers published on work in standard journal/conference and references. This evaluation will be carried out for 50 marks at the end of semester- IV by DRC & the concerned guide.

There shall be ESE-POE for 200 marks and the examination will be conducted by a panel of teachers consisting of an External examiner and the guide.

- **Note:** The Academic Rules and regulations concerned with PG Dissertation (6.16) available on the institute website will be strictly followed. The PG students should refer the Rules & regulations regarding the completion of the M.Tech. Programme within stipulated period.