



Laxda Singh Charitable Trust's (Regd.)

THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY

Autonomous College Affiliated to University of Mumbai

Approved by All India Council for Technical Education(AICTE) and Government of Maharashtra(GoM)

Conferred Autonomous Status by University Grants Commission (UGC) for 10 years w.e.f. A.Y 2019-20

Amongst Top 200 Colleges in the Country, Ranked 193rd in NIRF India Ranking 2019 in Engineering College category

• ISO 9001:2015 Certified • Programmes Accredited by National Board of Accreditation (NBA), New Delhi

• Institute Accredited by National Assessment and Accreditation Council (NAAC), Bangalore

Website : www.tcetmumbai.in

Department of Electronics & Telecommunication Engineering

S.E. Semester –IV

Choice Based Credit Grading Scheme with Holistic and Multidisciplinary Education (CBCGS-HME 2023)

Proposed TCET Autonomy Scheme (w.e.f. A.Y. 2023-24)

I. Academic and Research as per AICTE Model Curriculum														
Course Description			Teaching Scheme (Program Specific)					Examination scheme						
Sr. No.	Course Code	Course Title	Modes of Teaching / Learning / Weightage				Credits	Modes of Continuous Assessment / Evaluation						
			Theory	Tutorial	Practical	Contact Hours		Theory (100/50)		Practical / Oral / Presentation (25)	Term Work (25)	Total		
								40	60					
								IA					ESE	PR/OR
ISE	IE													
1	BSC-ETC401	Mathematics - IV	3	1	-	4	4	20	20	60	-	25	125	
2	PCC- ETC401	Analog Circuits	3	-	2	5	4	20	20	60	25	25	150	
3	PCC- ETC402	Signals & Systems	3	-	2	5	4	20	20	60	25	25	150	
4	PCC- ETC403	Microprocessors Peripherals & Interfacing	3	-	2	5	4	20	20	60	25	25	150	
Total			12	1	6	19	16	Total marks (Academic)						575
II. Professional Development, Industry Practices & Internship														
Course Description			Teaching scheme (Holistic and Multidisciplinary Education-HME)					Assessment/Evaluation Scheme						
								Presentation	Report		Term Work	Total		
								AC	AC					
1	HME – ETCPS401	Professional Skills III (Generic Track/Industry Track/Core Track)	-	-	2	2	1	15	10		25	25		
2	HME – IP401	Industry Practice-II (Generic Track/Industry Track/Core Track)	-	-	2	2	1	15	10		25	25		
3	SI- ETC401	Summer Internship	-	-	-	120*	3	-	-		50	50		
Total			-	-	4	04	5	Total marks (HME)						100
III. Holistic and Personality Development														
Course Description													Term Work	Total
1	MC-401	Environmental Studies/NCC	1	-	-	1	(Non Credit)	-					25	25
2	HME -ABL401	Activity Based Learning	-	-	2	2	1	15	10		25			
3	AP- ETC401	AICTE Activity Points	-	-	-	52#	-	-		-				
Total			13	1	12	26	22	Grand Total marks					725	
IV. Specialization with Multidisciplinary Learning(Optional)														
1	MDL-401	Foundation Course in Emerging Areas of Specialization	3	-	-	3	3	20	20	60	-		100	

Exit option with UG Diploma in Engg/Tech (87 Credits)



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I. Academic and Research as per AICTE Model curriculum:

1. The Academic year will be conducted through two semesters. Odd Semester (1st July-31st December) and Even Semester (1st January-30th June) as per Academic Calendar.
2. The credit calculation is a) Theory/Tutorial:1 credit=1 hr b) Practical/ITP: 1 credit=2 hrs c) Experiential Learning/Internship: 1 credit= 40-45 hrs, Professional skills/Industry Practices/Industry Certification: 1 credit=2 hrs, Activity Based Learning/Project Based Learning/Research Based Learning/B.E project : 1 credit=2 hrs
3. Contact Hrs for students per semester(15 weeks) is: Direct Contact hrs 35 x 15 = 525 + Indirect Contact = 8 x 15 =120 + Internship =60 hrs / semester = 705 hrs/ semester

II. Professional Development, Industry Practices & Internship:

4. Professional Skills & Industry Practice activity will run in the form of integrated theory and practical course & syllabus is linked with Industry or respective NSQF level.
5. Students can opt for any one track- Generic track /Industry track / Core track.
6. The summer/winter Internship will be conducted in the form of in-house/outhouse which is mandatory for all students in semester break. The internship credits accumulated will be credited in even semester.

III. Holistic & Personality Development:

7. Activity Based Learning/Project Based Learning/Research Based Learning will be conducted in Sem IV,V and VI respectively.
8. # As per AICTE, Students has to earn 100 Points by participating in 400 Hrs. of activities during 4 years of Engineering. After Completing 48 hrs. of Activities, Students can earn 12 Points. These Points will not be reflected in Grade Card. Separate transcript will be issued to students after completion of Final Year.
9. Professional Body/Extra Curricular/Co-Curricular/ Multidisciplinary learning/Workshop/Technical Seminar/Domain Activity/ NCC(Physical education & Defense studies)/Outreach activities will be considered under AICTE 100 activity points.

IV. Specialization with Multidisciplinary Learning:

10. Award of Major & Minor degree: Students need to acquire 18 credits in specialized emerging technology areas for award of Major(Honors/Research) /Minor degree which is optional.

V. Multiple Entry & Exit:

11. Multiple Entry & Exit: Provision for multiple entry and multiple exit is as per NEP 2020 & regulatory guidelines and notification of the Institute.
12. Academic Bank of Credits:The credits accumulation, transfer and lateral movement of students is as per policy guidelines.

VI. Examination Conduct and Evaluation & Assessment:

13. For continuous evaluation, examination shall be conducted under two heads: IA – In-Semester Assessment, ESE – End Semester Examination.

Sr.No	Head	Type	Duration	Marks
1	In Semester Examination I&II	Summative	1 hr	20 marks each
2	In Semester Examination III	Formative	1 hr (Group activity)	20 marks
3	Innovative Examination	Formative	1 hr (Group activity)	20 marks
4	End Semester Examination	Summative	2 hrs	60 marks

14. The evaluation & assessment for acquiring additional 18 credits for Major(Honors)/Minor/Research degrees will be held along with IA/ESE.

Sd/-
Dr. Payel Saha
HoD
Chairman-BoS

Sd/-
Dr. Sheetal Rathi
Dean Academic
Convenor-Academic Council

Sd/-
Dr. R R Sedamkar
Vice Principal
Member Secretary-Academic Council

Sd/-
Dr. B. K. Mishra
Principal
Chairman-Academic Council



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