T.E. Semester –VI (E&TC)
Choice Based Credit Grading Scheme with Holistic Student Development (CBCGS- H 2019)
TCET Autonomy Scheme (w.e.f. A.Y. 2021-22)

Sr. No.	Course Code	Course Title	Teaching Scheme (Academic) Modes of Teaching/Learning/Weightage — Hours Per Week — Theory	Tutorial	Practical	Contact Hours	Credits	Examination Scheme (Academic) Modes of Continuous Assessment/Evaluation — Theory (100) — IA	ESE	Practical/ Oral (25) PR/OR	Term Work (25) TW	Total
1.	PCC-ETC601	Digital Communication	3	1	2	6	5	25	75	25	25	150
2.	PCC-ETC602	Computer Communication Network	3	-	2	5	4	25	75	25	25	150
3.	PCC-ETC603	Antenna & Wave Propagation	3	-	2	5	4	25	75	25	25	150
4.	PEC-ETC601X	Professional Elective II	3	-	2@	5	4	25	75	25	25	150
5.	OEC-ETC601X	Open Elective I	3	-	-	3	3	25	75	-	-	100
		Total	**15**	**1**	**8**	**24**	**20**			**Total marks**		**700**

	Course Description		Non-Credited Mandatory Course (Passing is mandatory for this course)								TW	
1	MC-ETC601	Essence of Indian Knowledge Tradition	1	-	-	1	(Non-Credit)		-		25	**25**

	Course Description		Contact Hrs. during Semester Break/ End of Semester (Between 21st and 25th Week)								TW	
1	SI-ETC601	Summer Internship	-	-	-	160 *	4 *	-	-	-	50	**50**

	Course Description		Contact Hrs. during Week End / Semester Break/ End of Semester (Between 21st and 25th Week) / During Semester									
1	AP-ETC601	Activity Points	-	-	-	52#	-	-	-	-	-	-

Sr. No.	Course Description		Teaching scheme (Holistic Student Development - HSD) (Conducted in the beginning of Semester during first 3 Weeks) — Theory	Tutorial	Practical	Contact Hours	Credits	Evaluation Scheme (HSD) — Presentation AC	Report AC			Total
1.	ESD-ETC601	Employability Skill Development IV	-	-	30	30	1	Based on Parameters Decided by Training and Placement Cell				50
2.	HSD-ETCPS601	Professional Skills VI	15	-	30	45	2	50	25			75
3.	HSD-ETCPBL601	Project Based Learning IV	-	-	30	30	1	25	-			25
4.	HSD-ETCABL601	Research Based Learning II	-	-	30	30	1	25	25			50
	Total		**15**	**-**	**120**	**135**	**5**		**Total marks**			**200**
	Total						**29**		**Grand Total marks:**			**975**

PROFESSIONAL ELECTIVE II			OPEN ELECTIVE I	
Course Code	Course name	Domain	Course Code	Course name
PEC-ETC6011	Mixed Signal Design	1	OEC-ETC6011	Digital Marketing
PEC-ETC6012	Fibre Optic Communications	2	OEC-ETC6012	Software Process Automation
PEC-ETC6013	Embedded Systems and RTOS	3	OEC-ETC6013	Entrepreneurship Development and Management
PEC-ETC6014	Electromagnetic Interference and Compatibility	4	OEC-ETC6014	Cyber Security and Laws
PEC-ETC6015	Speech and Audio Processing	5	OEC-ETC6015	Reliability Engineering
PEC-ETC6016	Database Management System	6	OEC-ETC6016	Product Life Cycle Management

1. IA- In-Semester Assessment, ESE- End Semester Examination, PR- Practical Examination, TW – Term Work Examination, OR- Oral Examination, AC- Activity evaluation
2. @-Professional Elective Courses Lab will be conducted in the form of Capstone Project
3. * Under the head of Summer Internship, student can complete internship from winter to summer with 160 hours and acquire 4 credits till the end of Sixth Semester. Following activities should be considered for Summer Internship: -
   Participation in Hackathon, Development of new Product/ Business Plan / Registration of start-up, Participation in IPR workshop/Leadership talks/Idea/ Design / Innovation/Technical Expos, Internship with Industry / Govt. / NGO/ PSU/MSME/Online Internship, Long Term Goals under Rural Internship.
   Student will get 1-year span to acquire the credits. Students should collectively acquire total contact hours in below given activities in a span of 1 year. Student will submit a report to earn Term work marks in internship. For Above Activities mentioned, if student is a part of Organizing Committee or participating in a Competition at University/ State/ National/ International Level then it will be considered as Internship else it will be considered as Activity Points.
4. @ As per AICTE, Student must 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. This Points will not be reflected in Grade Card. Separate transcript will be issued to students after completion of Final Year.