

T.E. Semester –VI (Electronics and Computer Science)
Choice Based Credit Grading Scheme with Holistic Multidisciplinary Education (CBCGS- HME 2020)
TCET Autonomy Scheme (w.e.f. A.Y. 2023-24)

Course Description			Teaching Scheme (Program Specific)					Examination scheme					
Sr. No.	Course Code	Course Title	Modes of Teaching / Learning / Weightage					Modes of Continuous Assessment / Evaluation					
			Hours Per Week				Credits	Theory (100/50)		Practical/ Oral (25)	Term Work (25)	Total	
			Theory	Tutorial	Practical	Contact Hours		(40/20)	(60/30)				
								ISE	IE	ESE	PR/OR	TW	
1	PCC-ECS601	Sensors and Application	3	1	-	4	4	20	20	60	-	25	125
2	PCC- ECS602	Embedded Systems and RTOS	3	1	2	6	5	20	20	60	25	25	150
3	PCC- ECS603	Software Engineering	3	-	2	5	4	20	20	60	25	25	150
4	PEC -ECS601X	Professional Elective II	3	-	2@	5	4	20	20	60	25	25	150
5	OEC-ECS601X	Open Elective I	3	-	-	3	3	20	20	60	-	-	100
Total			15	2	06	23	20				Total marks		675
Course Description			Non-Credited Mandatory Course (Passing is mandatory for this course)								Term Work		
1	MC-ECS601	Essence of Indian Knowledge Tradition	1	-	-	1	(Non Credit)	Passing is mandatory for this course			25	25	
Course Description			Contact Hrs. during Week End / Semester Break/ End of Semester (Between 21 st and 25 th Week)										
1	SI-ECS601	Summer Internship	-	-	-	160* - 240*	4*-6*	-	-	-	-	50	50
Course Description			Contact Hrs. during Week End / Semester Break/ End of Semester (Between 21 st and 25 th Week) / During Semester										
1	AP-ECS601	Activity Points	-	-	-	52#	-	-	-	-	-	-	-
Course Description			Teaching scheme (Holistic Multidisciplinary Education - HME) (Conducted in the beginning of Semester during first 3 Weeks)					Assessment/Evaluation Scheme					
								Presentation			Report		Term Work
								AC			AC		
1	ESD-ECS601	Employability Skill Development - IV			30	30	1	Based on Parameters Decided by Training & Placement Cell			50		
2	HME-ECSPS601	Professional Skills- VI (Industry / Research /Entrepreneurship)	15	-	30	45	2	50			25	75	
3	HME-ECS PBL601	Project Based Learning - IV	-	-	30	30	1	25			-	25	
4	HME-ECS RBL601	Research Based Learning- II	-	-	30	30	1	25			25	50	
Total			15	-	120	135	5				Total marks		200

	Total				29		Grand Total marks:	950
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IA- In-Semester Assessment, ESE- End Semester Examination, PR- Practical Examination, TW – Term Work Examination, OR- Oral Examination, AC- Activity evaluation

PROFESSIONAL ELECTIVE II			OPEN ELECTIVE I	
Course Code	Course name	Domain	Course Code	Course name
PEC-ECS6011	Wireless Communication	1	OEC-ECS6011	Digital Marketing
PEC-ECS6012	.Augmented Reality and Virtual Reality	2	OEC-ECS6012	Software Process Automation
PEC-ECS6013	Cryptography And Network Security	3	OEC-ECS6013	Entrepreneurship Development and Management
PEC-ECS6014	Computer communication & Networking	4	OEC-ECS6014	Cyber Security & Laws
PEC-ECS6015	Internet of Things	5	OEC-ECS6015	Reliability Engineering
		6	OEC-ECS6016	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 Capstone Project
 * Students may go up to 240 hrs. to acquire maximum 6 credits. Students should collectively acquire total contact hrs in above activities in a span of 1 year (5th and 6th Semester). Student will submit a report to earn Term work marks in internship at the end of 6th Semester.

Following activities should be considered for Summer Internship: -

- 1) Participation in in-house internship at the end of 5th and 6th semester of 2 weeks each.
- 2) Other activity which also will be considered are: 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

Note: - For Above Activities mentioned in point 2, if Student is part of Organizing Committee or Participating a Competition at University/State/National/international Level then it will be considered as Internship else it will be considered as Activity Points.

#As per AICTE, Students has to earn 100 Points by participating in 400 Hrs. of activities during 4 years of Engineering. After Completing 52 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.



TCET
DEPARTMENT OF ELECTRONICS AND COMPUTER SCIENCE (E&CS)
(Accredited by NBA for 3 years, 3rd Cycle Accreditation w.e.f. 1st July 2022)
Choice Based Credit Grading System (CBCGS)
Under TCET Autonomy



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