

S.T. 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)

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 / Presentation (25)	Term Work (25)	Total
			Theory	Tutorial	Practical	Contact Hours		40/20		60/30			
								IA		ESE	PR/OR	TW	
ISE	IE	ESE	PR/OR	TW	Total								
1	BSC-IoT401	Mathematics-IV	3	1	-	4	4	20	20	60	-	25	125
2	PCC-IoT401	Computer Communication Network	3	-	2	5	4	20	20	60	25	25	150
3	PCC-IoT402	Database and Management System	3	-	2	5	4	20	20	60	25	25	150
4	PCC-IoT403	Communication Systems in IoT	3	-	2	5	4	20	20	60	25	25	150
Total			12	1	6	19	16	Total marks (Academic)					575
Course Description			Non-Credited Mandatory Course (Passing is mandatory for this course)								Term Work		
1	MC-401	Environmental Studies	1	-	-	-	(Non-Credit)	-			25	25	
Course Description			Contact Hrs. during Week End / Semester Break/ End of Semester (Between 21 st and 25 th Week)								Term Work		
1	SI-IoT401	Summer Internship	-	-	-	120*	3	-			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-IoT401	Activity Points	-	-	-	52@	-	-					
Course Description			Teaching scheme (Holistic and Multidisciplinary Education-HME) (Conducted in the beginning of Semester during first 3 Weeks)					Assessment/Evaluation Scheme					
								Presentation		Report	Term Work		
								AC		AC			
1	HME –IoTPS401	Professional Skills III (IoT Networking - II)	-	-	2	2	1	15		10	25		
2	HME –IP401	Industry Practice-II JavaScript	-	-	2	2	1	15		10	25		
3	HME -ABL401	Activity Based Learning	-	-	2	2	1	15		10	25		
Total			-	-	6	6	3	Total marks (HME)			75		
Total			13	1	12	25	22	Grand Total marks				725	



Guidelines for the Semester:

Semester Conduct:

1. The Academic year will be conducted through two semesters. Odd Semester (1st July-31st December) and Even Semester (1st January-30th June).
2. The credit calculation is
 - a) Theory/Tutorial: 1 credit=1 hr b) Practical: 1 credit =2 hrs c) Experiential Learning/Internship: 1 credit= 40 hrs
 - b) d) Professional skills/Industry Practices/Industry Certification: 1 credit =2 hrs e) Holistic Development - Activity Based Learning/Project Based Learning/Research Based Learning: 1 credit=2 hrs
3. Professional Skills & Industry Practice activity will run in the form of integrated theory and practical course & syllabus is linked with level 6 of NSQF.
4. During Academic conduct, practical load shall be conducted in batches.
- 5. Evaluation and Assessment:**
6. For continuous evaluation, examination shall be conducted under two heads: IA – In-Semester Assessment, ESE – End Semester Examination. Under IA, 20 marks of ISE (In-Semester Examination) shall be conducted for 1 hour. 20 marks of IE (Innovative Learning with Examination) shall also be conducted under IA. ESE shall be conducted for 60 marks with duration of 2 hours.
7. Evaluation and assessment will be formative and summative.
8. Two In Semester Examination ISE-I and II (3 modules each) will be summative.
9. One In Semester Examination, ISE-III and Innovative learning with Examination-IE will be formative.
10. End semester Examination, ESE will be Summative and Term Work and Oral/Practical exam and ESE will be conducted at the end of semester.
11. For Mathematics-IV, a common paper can be made for E&TC, E&CS & IoT as they are having the same syllabus.

12. Internship:

13. * The summer Internship will be conducted in the form of in-house/outhouse internship, which is mandatory for all students in semester break.
 - a) The internship credits accumulated will be credited in even semester.
14. **AICTE 100 Activity Points:**
15. # 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.
 - a) 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.

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