



S.T. (Semester-III) B.TECH. Internet of Things (IOT)

Choice Based Credit Grading Scheme with Holistic and Multidisciplinary Education (HME) (CBCGS- HME 2020)

TCET Autonomy scheme (w.e.f. A.Y. 2021-22))

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)
								IA		ESE	PR/OR		
ISE		IE											
1	BSC- IOT301	Applied Mathematics III	3	1	-	4	4	20	20	60	-	25	125
2	PCC- IOT301	Analog and Digital Circuits	3	-	2	5	4	20	20	60	25	25	150
3	PCC- IOT302	Introduction to IoT and Sensor Technology	3	-	2	5	4	20	20	60	25	25	150
4	PCC- IOT303	Data Structure	3	-	2	5	4	20	20	60	25	25	150
5	ESC- IOT301	Database Management system	3	-	2	5	4	20	20	60	25	25	150
Total			15	1	8	24	20	Total marks					725
Course Description			Non-Credited Mandatory Course (Passing is mandatory for this course)							Term Work			
1	MC-IOT301	Environmental Studies	1	-	-	1	(Non Credit)	-				25	25
Course Description			Contact Hrs. during Week End / Semester Break/ End of Semester (Between 21 st and 25 th Week)										
1	SI-IOT301	Summer Internship	-	-	-	160* - 240*	-	-	-	-	-	-	-
Course Description			Contact Hrs. during Week End / Semester Break/ End of Semester (Between 21 st and 25 th Week) / During Semester										
1	AP-IOT301	Activity Points	-	-	-	48@	-	-	-	-	-	-	-
Course Description			Teaching scheme Holistic and Multidisciplinary Education(HME)					Assessment/Evaluation Scheme					
								Presentation		Report		Term	



			(Conducted in the beginning of Semester during first 3 Weeks)					AC	AC	Work
1	ESD-IOT301	Employability Skill Development - I	-	-	30	30	1	Based on Parameters Decided by Training and Placement Cell		50
2	HME-IOTPS301	Professional Skills- III (OOPM)	15	-	30	45	2	50	25	75
3	HME-IOT PBL301	Project Based Learning - I	-	-	30	30	1	25	-	25
4	HME-IOT ABL301	Activity Based Learning- III ((Co-curricular/ Extra curricular/ Extension)	-	-	30	30	1	25	25	50
Total			15	-	120	135	5	Total marks		200
Total							25	Grand Total marks:		950

1. IA- In-Semester Assessment, ESE- End Semester Examination, PR- Practical Examination, TW – Term Work Examination, OR- Oral Examination, AC- Activity evaluation

*This is part of Summer Internship but can start in winter. Students may go upto 240 hrs. to acquire maximum 6 credits in Semester 4.

Total hrs. mentioned should be completed till end of Semester 4. Credits will be awarded at the end of 4th Semester and will be reflected in the Grade Card of 4th Semester.

Student will get 1 year span to acquire the credits. Students should collectively acquire total contact hrs in below given activities in a span of 1 year. Student will submit a report to earn Term work marks in internship.

Following activities should be considered for Summer Internship:-

1) Participation in inhouse internship at the end of 3rd and 4th Semester of 2 week 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 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.

Dr. S.C. Patil/ Dr. Lochan Jolly
Chairman BOS/ HOD-IoT

Dr. Kamal Shah
Vice-Principal

Dr. B.K.Mishra
Principal