

**T.E. Semester-V**  
**Choice Based Credit Grading Scheme with Holistic and Multidisciplinary Education (CBCGS-HME 2020)**  
**TCET Autonomy Scheme (w.e.f. A.Y. 2022-23)**

Course Description			Teaching Scheme (Program Specific)					Examination Scheme (Academic)					
Sr. No.	Course Code	Course Title	Mode of Teaching /Learning/Weightage				Credits	Modes of Continuous Assessment/Evaluation					
			Hours Per Week					Theory (100)		Practical/Oral	Term Work	Total	
								40	60				
								IA		ESE	PR/OR		TW
								ISE (20)	IE (20)				
1	HSMC-IT 501	Professional Ethics and CSR	3	-	-	3	3	20	20	60	-	-	100
2	PCC –IT501	Operating System	3	-	2	5	4	20	20	60	25	25	150
3	PCC –IT502	Cryptography & Network Security	3	-	2	5	4	20	20	60	25	25	150
4	PCC -IT503	Web Programming	3	-	2	5	4	20	20	60	25	25	150
5	PEC –IT501X	Professional Elective-1	3	-	2@	5	4	20	20	60	25	25	150
		Total	15	-	8	23	19	Total marks					700
Course Description			Non-Credited Mandatory Course (Passing is mandatory for this course)									Term Work	Total
1	MC –IT501	Indian Constitution	1	-	-	1	(Non Credit)					25	25
	Course Description		Contact Hrs. during Week End / Semester Break/ End of Semester (Between 21 <sup>st</sup> and 25 <sup>th</sup> Week)										
1	SI-IT 501	Summer Internship	-	-	-	160 *	-	-	-	-	-	-	-
Course Description			Contact Hrs. during Week End / Semester Break/ End of Semester (Between 21 <sup>st</sup> and 25 <sup>th</sup> Week) / During Semester										
1	AP-IT 501	Activity Points	-	-		48#	-	-	-	-	-	-	-
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 (50)	
								AC		AC			
1	ESD-IT 501	Employability Skill Development - III	-	-	30	30	1	Based on Parameters Decided by Training and Placement Cell					50
2	HME –ITPS 501	Professional Skills V (Industry/Research/ Entrepreneurship)-ASP.NET	15	-	30	45	2	50		25		75	
3	HME-ITPBL 501	Project Based Learning-III	-	-	30	30	1	25		-		25	
4	HME – ITRBL501	Research Based Learning-I	-	-	30	30	1	25		25		50	
		Total	15	-	120	135	5	Total Marks					200
		Total					24	Grand Total marks:					925

Professional Elective 1	
Course Code	Course name
PEC-IT5011	Green IT
PEC-IT5012	No SQL
PEC-IT5013	Microprocessor- Microcontroller Embedded System
PEC-IT5014	Distributed System
PEC-IT5015	IT Strategy & Standards

1. IA-In-Semester Assessment, ESE-End Semester Examination, ISE- In-Semester Examination , IE Innovative 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. For continuous evaluation, examination shall be conducted under two heads: IA – In-Semester Assessment, ESE – End Semester Examination. Under IA - 20 marks ISE to be conducted for 1 hour 20/10 marks for IE. 60 marks ESE will be conducted for 2 hours. Out of 3 IA, best 2 will be considered.

\* 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 Semester 6. The summer Internship will be conducted in the form of in-house internship which is mandatory for all students in summer semester break. Credits will be awarded at the end of 6<sup>th</sup> Semester and will be reflected in the Grade Card of 6<sup>th</sup> Semester. Student will get 1-year span to acquire the credits and complete total contact hours. Student shall 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 5<sup>th</sup> and 6<sup>th</sup> 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. This Points will not be reflected in Grade Card. Separate transcript will be issued to students after completion of Final Year.