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

Sr. No.	Course Code	Course Title	Theory	Tutorial	Practical	Contact Hours	Credits	ISE	IE	ESE	PR/OR	TW	Total
		Course Description			**Teaching Scheme (Program Specific)** Mode of Teaching /Learning/Weightage — Hours Per Week			**Examination Scheme (Academic)** Modes of Continuous Assessment/Evaluation — Theory (100) 40 IA / 60			Practical/Oral	Term Work	
1	PCC- IT 601	Data Mining and Business Intelligence	3	1	2	6	5	20	20	60	25	25	150
2	PCC -IT 602	Software Engineering with Project Management	3	-	2	5	4	20	20	60	25	25	150
3	PCC –IT603	Automata Theory	3	1	-	4	4	20	20	60	-	25	125
4	PEC- IT 601X	Professional Elective II	3	-	2@	5	4	20	20	60	25	25	150
5	OEC-IT 601X	Open Elective-I	3	-	-	3	3	20	20	60	-	-	100
		Total	**15**	**02**	**6**	**23**	**20**		**Total marks**				**675**

Sr. No.	Course Code	Course Title						Term Work	Total
		Course Description	**Non Credited Mandatory Course**(Passing is mandatory for this course)					**Term Work**	**Total**
1	MC-IT 601	Essence of Indian Knowledge Tradition	1	-	-	1	(Non Credit)	- / 25	25

Sr. No.	Course Code	Course Title							
		Course Description	**Contact Hrs. during Week End / Semester Break/ End of Semester (Between 21st and 25th Week)**					**Non -Grant Term work based on the presentation and Report**	
1	SI-IT 601	Summer Internship	-	-	-	160 *	4 *	- / 50	50

	Course Code	Course Title							
		Course Description	**Contact Hrs. during Week End / Semester Break/ End of Semester (Between 21st and 25th Week)/During Semester**						
1	AP-IT601	Activity Points	-	-	52#	-	-	-	-

Sr. No.	Course Code	Course Title	Theory	Tutorial	Practical	Contact Hours	Credits	Presentation (AC)	Report (AC)	Term Work (50)
		Course Description	**Teaching scheme ((Holistic and Multidisciplinary Education-HME)** (Conducted in the beginning of Semester during first 3 Weeks)					**Assessment/Evaluation Scheme**		
1	ESD-IT 601	Employability Skill Development - IV	-	-	30	30	1	Based on Parameters Decided by Training and Placement Cell		50
2	HME –ITPS 601	Professional Skills VI Cloud Technology:AWS	15	-	30	45	2	50	25	75
3	HME-ITPBL601	Project Based Learning IV	-	-	30	30	1	25	-	25
4	HME-ITRBL601	Research Based Learning II	-	-	30	30	1	25	25	50
		Total	**15**	**-**	**120**	**135**	**5**	**Total marks**		**200**
		Total					**29**	**Grand Total marks:**		**950**

Professional Elective II		Open Elective I	
Subject Code	Name	Subject Code	Name
PEC- IT 6011	Ethical hacking and Digital Forensics	OEC-IT 6011	Digital Marketing
PEC- IT 6012	Computer Graphics and Virtual Reality	OEC-IT 6012	Software Process Automation
PEC- IT 6013	Advanced Data Structures & Analysis of Algorithms	OEC-IT 6013	Entrepreneurship Development and Management
PEC- IT 6014	Internet of Everything	OEC-IT 6014	Cyber Security and Laws
PEC- IT 6015	Mobile Application Development	OEC-IT 6015	Reliability Engineering
		OEC-IT 6016	Product Lifecycle Management

1. 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 and 10 marks ISE to be conducted for 45 minutes, 20/10 marks for IE. 60 marks ESE will be conducted for 2 hours and 30 marks ESE will be conducted for 1 hour. 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 6th Semester and will be reflected in the Grade Card of 6 th 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 5th and 6th 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 52 hrs. of Activities, Students can earn 13 Points. This Points will not be reflected in Grade Card. Separate transcript will be issued to students after completion of Final Year.