B.E. Semester-VII
Proposed Choice Based Credit Grading Scheme with Holistic Student Development (CBCGS-H 2019)
TCET Autonomy Scheme (w.e.f. A.Y. 2022-23)

Sr. No.	Course Code	Course Title	Theory	Tutorial	Practical	Contact Hours	Credits	IA	ESE	PR/OR	TW	Total
	Course Description		**Teaching Scheme (Program Specific)**					**Examination Scheme (Academic)**				
			Mode of Teaching /Learning/Weightage					**Modes of Continuous Assessment/Evaluation**				
			Hours Per Week					**Theory (100)**		**Practical/Oral**	**Term Work**	
1	PCC-IT 701	Machine Learning for IT Application Development	3	-	2	5	4	25	75	25	25	150
2	PEC- IT 701X	Professional Elective III	3	-	2@	5	4	25	75	25	25	150
3	PEC -IT702X	Professional Elective IV	3	-	2@	5	4	25	75	25	25	150
4	OEC –IT 701X	Open Elective-II	3	-	-	3	3	25	75	-	-	100
5	HSMC- IT701	Finance Management	3	-	-	3	3	25	75	-	-	100
5	PROJ- IT 701	Project- I	-	-	6	6	3	-	-	25	25	50
		Total	**15**	**-**	**12**	**27**	**21**	**Total marks**				**700**

	Course Description		Contact Hrs. during Semester Break/ End of Semester (Between 21st and 25th Week)								Term Work	
1	SI-IT701	Summer Internship	-	-	-	120*	-	-			-	-
1	AP-IT701	Activity Point	-	-	-	48#	-	-			-	-

	Course Description		Teaching scheme (Holistic Student Development - HSD) (Conducted in the beginning of Semester during first 3 Weeks)					Assessment/Evaluation Scheme			Term Work (50)
								Presentation	**Report**		
								AC	AC		
1	HSD –ITPS701	Professional Skills VII - (R Programming Language)	15	-	30	45	2	50		25	75
2	HSD –ITRBL 701	Research Based Learning III	-	-	30	30	1	25		25	50
		Total	**15**	**-**	**60**	**75**	**3**	**Total marks**			**125**
		Total		**-**			**24**	**Grand Total marks:**			**825**

Professional Elective III		Professional Elective IV		Open Elective II	
Subject Code	**Name**	**Subject Code**	**Name**	**Subject Code**	**Name**
PEC-IT 7011	Wireless Networks	PEC-IT 7021	Soft Computing	OEC-IT 7011	Management Information System
PEC-IT 7012	High Performance Computing	PEC-IT 7022	Software Testing and Quality Assurance	OEC-IT 7012	Human Resource Management
PEC-IT 7013	Advanced Internet Programming	PEC-IT 7023	Digital Signal and Image Processing	OEC-IT 7013	Design Thinking and Problem Solving
PEC-IT 7014	Big Data Analytics	PEC-IT 7024	User Interaction Design	OEC-IT 7014	Disaster Management and Mitigation Measures
PEC-IT 7015	DevOps	PEC-IT 7025	Healthcare Information System	OEC-IT 7015	Research Methodology
				OEC-IT 7016	Operation Research

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 of Capstone Project
3. For continuous evaluation, examination shall be conducted under two heads: IA – In-Semester Assessment, ESE – End Semester Examination. Under IA, 25 marks of ISE
   (In-Semester Examination) shall be conducted for 1.5 hours. ESE shall be conducted for 75 marks with duration of 3 hours.
4. * Under the head of Summer Internship, student can complete internship from winter to summer with 120 hours and acquire 3 credits till the end of Semester 8. Credits will be awarded at the end of 8 th Semester and will be reflected in the Grade Card of 8 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.
5. #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.