



B.E. Semester VIII
Choice Based Credit Grading Scheme with Holistic Student Development (CBCGS-HME 2020)
TCET Autonomy Scheme (w.e.f. A.Y. 2023-24)

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					40	60	Practical/Oral	Term Work	Total			
			Theory	Tutorial	Practical	Contact Hours							IA		
													ESE (20)	TE (20)	ESE
1	PCC-IT 801	Data Science	3	-	2	5	4	20	20	60	25	25	150		
2	PEC -IT 801X	Professional Elective V	3	-	2(0)	5	4	20	20	60	25	25	150		
3	OEC -IT 801X	Open Elective-III	3	-	-	3	3	20	20	60	-	-	100		
4	OEC -IT 802X	Open Elective-IV	3	-	-	3	3	20	20	60	-	-	100		
5	PROJ IT 801	Project II	-	-	12	12	6	-	-	-	100	50	150		
6		Total	12	-	16	28	20	Total marks						650	
Course Description			Contact Hrs. during Semester Break/ End of Semester (Between 21st and 25th Week)									Non-Grant Term Work based on the Presentation and Report			
1	SI-IT801	Summer Internship	-	-	-	120*	3							50	50
2	AP-IT801	Activity Point	-	-	-	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 (50)		
								AC			AC				
1	HSD -ITPS 801	Professional Skills VIII (Latex)	15	-	30	45	2	50			25		75		
2	HSD -ITRBL801	Research Based Learning IV	-	-	30	30	1	25			25		50		
		Total	15	-	60	90	3	Total Marks			125				
		Total	30	-			26	Grand Total marks:						825	



Professional Elective V		Open Elective III		Open Elective IV	
Subject Code	Name	Subject Code	Name	Subject Code	Name
PEC-IT 8011	Blockchain Technologies	OEC-IT 8011	Project Management	OEC-IT 8021	Managerial Economics
PEC-IT 8012	Natural Language Processing	OEC-IT 8012	Energy Audit Management	OEC-IT 8022	Digital Business Management
PEC-IT 8013	Storage Area Network	OEC-IT 8013	Innovation Management	OEC-IT 8023	Social Network Analysis
PEC-IT 8014	Enterprise Resource Planning	OEC-IT 8014	Environment Management	OEC-IT 8024	Taxation for Engineers
PEC-IT 8015	Genetic Algorithm	OEC-IT 8015	Intellectual Property Rights (IPR) and Patenting.	OEC-IT 8025	Product Design and Development
		OEC-IT 8016	Supply chain Management	OEC-IT 8026	Development Engineering

Guidelines for the Semester:

Semester Conduct:

- The Academic year will be conducted through two semesters. Odd Semester (1st July-31st December) and Even Semester (1st January-30th June).
- The credit calculation is
 - Theory/Tutorial: 1 credit=1 hr b) Practical: 1 credit =2 hrs c) Experiential Learning/Internship: 1 credit= 40 hrs
 - 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
- During Academic conduct, practical load shall be conducted in batches.

Evaluation and Assessment:

- 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.
- Evaluation and assessment will be formative and summative.
- Two In semester Examination ISE-I and II (3 modules each) will be summative.
- One In Semester Examination, ISE-III and Innovative learning with Examination-IE will be formative.
- End semester Examination, ESE will be Summative and Term Work and Oral/Practical exam and ESE will be conducted at the end of semester.

Internship:

- * The summer Internship will be conducted in the form of in-house/outhouse internship which is mandatory for all students in semester break. The internship credits accumulated will be credited in even semester.

AICTE 100 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. 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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