

T.E. Semester-V
Choice Based Credit Grading Scheme with Holistic Student Development (CBCGS-H 2019)

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	
			Theory	Tutorial	Practical	Contact Hours		IA	ESE				
1	ITC501	Microcontroller and Embedded Programming	4	-	-	4	4	20	80	-	-	100	
2	ITC502	Internet Programming	4	-	2	6	5	20	80	25	25	150	
3	ITC503	Advanced Data Management Technology	4	-	2	6	5	20	80	25	25	150	
4	ITC504	Cryptography & Network Security	4	-	2	6	5	20	80	25	25	150	
5	ITDLO-I	Department Level Optional Course-I #	4	-	-	4	4	20	80	-	-	100	
6	ITL501	IOT (Mini Project) Lab	-	-	2	2	1	-		25	25	50	
7	ITL502	Business Communication and Ethics	2	-	2	4	3	-		-	50	50	
8	SI-501	Seminar / Workshop*	-	-	2*	2*	-	-		-	-		
		Total	22	-	10+2*	32+2*	27	Total marks				750	
Course Description			Teaching scheme (Holistic Student Development - HSD/Industry Specific/Interdisciplinary)					Evaluation Scheme (HSD)					
1	ITPS-501	Professional Skills V (Industry /research/Entrepreneurship)	-	-	-	-	Audit	Non-Scholastic Evaluation by Teacher Guardian and Institute will issue certificate					
2	ITPBL-501	Project Based Learning-III	-	-	-	-	Audit						
3	ITRBL-501	Research Based Learning-I/Online/MOOCs	-	-	-	-	Audit						
		Total					34	27	Grand Total marks:				750

Department Level Optional Course (DLO)

Every student is required to take one Department Elective Course for Semester V. Different Sets of courses will run in both the semesters.

Students can take these courses from the list of Department electives, which are closely allied to their disciplines.

(DLO-I subjects will have no Labs only Theory)

Subject Code	Department Level Optional Course (DLO)
Semester V	
ITDLO5011	Advanced Data Structures & Analysis of Algorithms
ITDLO5012	Image Processing
ITDLO5013	E-Commerce & E-Business
ITDLO5014	IT Enabled Services
ITDLO5015	Computer Graphics & Virtual Reality

1. Seminar/Workshop shall have direct contact hrs during the semester through Collaborative learning (CL) and Peer learning (PL) mode.
2. Professional Training shall be offered at the end of the semester between 21st and 25th week (2 weeks Evaluation).
3. IA-In-Semester Assessment, ESE-End Semester Examination, PR- Practical Examination, TW – Term Work Examination, OR – Oral Examination, AC-Activity Evaluation.