SEMESTER: IV

COURSE MODULE			
COURSE			**Credits**
Code	**Title**	**Component**	
TCS-408	Programming in Java	DSC	3
TCS-402	Finite Automata and Formal Languages	DSC	3
TCS-403	Microprocessors	DSC	3
TCS-409	Design and Analysis of Algorithms	DSE	3
	Discipline Specific Elective-I	DSC	3
PCS-408	Java Programming Lab	DSC	1
PCS-403	Microprocessors Lab	DSC	1
PCS-409	DAA Lab	DSC	1
XCS-401	Career Skills	SEC	1
PESE 400	Practical for Employability Skill Enhancement	SEC	1
SCS-401	MOOCS Seminar	VAC	1
GP-401	General Proficiency	SEC	1
	Indian Constitution(Non Graded)	MNG	2

DISCIPLINE SPECIFIC ELECTIVE-I

COURSE CODE	COURSE NAME
TCS-451	Virtualization and Cloud Computing
TCS-471	Statistical Data Analysis with R
TCS-495	Foundation of Cyber Security
TCS-421	Fundamentals of Statistics and AI
TCS-433	Blockchain and its Applications (Through Swayam)
TCS-465	Linear Algebra (Through Swayam)

SEMESTER: VI

COURSE MODULE			
COURSE			**Credits**
Code	**Title**	**Component**	
TCS-601	Compiler Design	DC	3
TCS-611	Software Engineering	DC	3
TCS-604	Computer Networks-I	DC	3
TCS-693	Full Stack Web Development	DC	3
	Discipline Specific Elective-III	DE/GE	3
PCS-601	Compiler Design Lab	DC	2
PCS-604	Computer Networks Lab	DC	2
PCS-693	Web Development Lab	DC	2
XCS-601	Career Skills	VA	1
PESE 600	Practical for Employability Skill Enhancement	SEC	1
SCS-601	MOOCS Seminar	VA	1
GP-601	General Proficiency	SE	1

DISCIPLINE SPECIFIC ELECTIVE-III

COURSE CODE	COURSE NAME
TCS-692	Large Language Models and Generative AI
TCS-651	Devops on cloud
TCS-675	Introduction to Virtual Reality
TCS-619	Network and system security
TCS-695	Security and Auditing
TCS-671	Bigdata Storage and Processing
TCS-684	Information Retrieval
TCS-671	Bigdata Storage and Processing

SEMESTER: VIII

Course		COURSE DETAILS		
		COURSE		Credits
Course	Title		Component	
	Open Elective		OEC	3
TDM-881	Disaster Management		HSMC	2
	Program Elective-VI		PEC	3
CSC-801	Comprehensive Viva-Voce		CM	2
SCS 801	Seminar		SM	1
CSP-801	Project Phase-II		PJ	4
GP-801	General Proficiency		GP	1
	Total			**16**

Program Elective - VI

Course Code	Course name
TCS851	Storage Networks
TCS855	Agile Software Engineering
TCS 822	Mobile Application Development
TCS 859	Service Oriented Cloud Architecture
TCS 821	Soft Computing

Open Elective

Course Code	Course Name
TOE-811	Mobile Computing
TOE-803	Corporate Leadership
TOE-805	Wind and Solar Energy Systems
TOE-806	Mobile Adhoc Networks