

Curriculum Structure _ F.Y. B. Tech. _ Group-1 _ Computer, AI & DS & E & Tc Engineering

Semester-I														
COURSE TYPE	COURSE CODE	COURSE NAME	TEACHING SCHEME (Hours/Week)				CREDIT SCHEME				EXAMINATION / EVALUATION SCHEME & MARKS			
			L	P	T	Total	L	P	T	Total	CIE	ESE	TW	Total
BSC	2601BSC101	Calculus & Linear Algebra (CLA)	3	-	1	4	3	--	1	4	40	60	25	125
BSC	2601BSC102 2601BSC103	Modern Physics (MP) Chemical Science & Technology (CST)	2	2	-	4	2	1	-	3	40	60	25	125
ESC	2601ESC104 2601ESC105	Principles of Electronics Engineering (PDE) / Basic Electrical Engineering (BEE)	2	2	-	4	2	1	-	3	40	60	25	125
ESC	2601ESC106 2601ESC107	Applied Mechanics (AM) / Engineering Drawing (ED)	2	2	-	4	2	1	--	3	40	60	25	125
ESC	2601ESC108	Computer Programming using C (CPC)	2	2	-	4	2	1	--	3	40	60	25	125
AEC	2601AEC109	Professional Communication Skills	2	-	-	2	2	-	-	2		-	25	25
CC	2601CC110	Holistic Health, Values & Wellness	2	-	-	2	2	-	-	2		-	25	25
VSEC	2601VSL111 2601VSL112	Design Thinking Ideation (DTI) (Mini Project) / Manufacturing Practice Workshop (MPW)	-	4	-	4	-	2	--	2		-	25	25
Total			15	12	1	28	15	6	1	22	200	300	200	700

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Semester-II														
COURSE TYPE	COURSE CODE	COURSE NAME	TEACHING SCHEME (Hours/Week)				CREDIT SCHEME				EXAMINATION /EVALUATION SCHEME AND MARKS			
			L	P	T	Total	L	P	T	Total	CIE	ESE	TW	Total
BSC	2601BSC113	Differential Equations & Integral Calculus (DEIC)	3	-	1	4	3	--	1	4	40	60	25	125
BSC	2601BSC103 2601BSC102	Chemical Science & Technology (CST) / Modern Physics (MP)	2	2	-	4	2	1	-	3	40	60	25	125
ESC	2601ESC105 2601ESC104	Basic Electrical Engineering (BEE)/ Principles of Electronics Engineering (PDE)	2	2	-	4	2	1	-	3	40	60	25	125
ESC	2601ESC107 2601ESC106	Engineering Drawing (ED) / Applied Mechanics (AM)	2	2	-	4	2	1	--	3	40	60	25	125
PCC	2601PCC114	Problem Solving using Python (PSP)	2	2	-	4	2	1	--	3	40	60	25	125
IKS	2601IKS115	Indian Knowledge System	2	-	-	2	2	-	-	2		-	25	25
CC	2601CC116	Integrated Personality Development	2	-	-	2	2	-	-	2		-	25	25
VSEC	2601VSL112 2601VSL111	Manufacturing Practice Workshop (MPW) / Design Thinking Ideation (DTI) (Mini Project)	-	4	-	4	-	2	--	2	--	-	25	25
Total			15	12	1	28	15	6	1	22	200	300	200	700

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DEPARTMENT SPECIFIC EXIT COURSE (Group-1) (To award UG Certificate in Technology) First Year B.Tech. (Semester-II)												
COURSE TYPE	COURSE CODE	COURSE NAME	TEACHING SCHEME (Hours/Week)				CREDITS	THEORY EXAMINATION SCHEME		PRACTICAL EXAMINATION SCHEME		TOTAL
			L	PT	T	Total		CIE	ESE	TW	OR	
EXIT	2601EXT125	INTERNSHIP	-	16	-	16	8	-	-	50	50	8
Total			-	16	-	16	8					8
			Internship = Practical Training + Real work experience.									
Total			16 hrs per week for minimum 6 weeks (96 hrs)									

Note for Multiple Exits:

1. Students will have the flexibility to enter a programme in odd semesters and exit a programme after the successful completion of even / second semester as per their future career needs.
2. Students exiting the First Year B. Tech. after securing 44 credits will be awarded UG Certificate in the relevant Discipline provided they secure 8 credits in Internship offered during summer vacation in addition to 4 credits from skill-based courses earned during the first and second semester.