

U. G. PROGRAMME OUTCOMES

UPON COMPLETION OF THIS PROGRAMME THE STUDENTS WILL BE ABLE TO

- ❖ Apply scientific knowledge to real life situations to become competent and committed.
- ❖ Acquire Industry specific skills and equip them to emerge as entrepreneurs.
- ❖ Explore the knowledge and acclimatize it in the ever changing work environment.
- ❖ Design and conduct experiments /demos/create models to analyze and interpret data
- ❖ Communicate effectively on the findings of sciences and incorporate with existing knowledge
- ❖ Evolve theories and develop innovative discipline specific ideas.

U.G. COURSE PATTERN - (2024 - 2027) (UGC/ TANSCH/ MTU)-SCIENCE

Sem.	Part	Code	Title of the Course	Hours	Credit
I	I	24GT1GT01/ 24GT1GS01/ 24GH1GS01/	Tamil-I/ Hindi-I	6	3
		II	24GE1GS01	English-I	4
	III	24XX1MC01	CC - 1	11 (4+4+3)	8 (4+4)
		24XX1MC02	CC - 2		
		24XX1MC03	CC - 3 (Practical)		
		24XX1AC1A/ 24XX1AC1B	Elective Course - I Discipline Specific Elective (Allied Course-I)	3	3
	IV	24XX1AP1A/ 24XX1AP1B	Allied Practical-I	2	1
		24AE1PE01	Ability Enhancement Course -1 (AEC-1) Professional English	2	2
	IV	24XX1FC01	Department: Foundation Course	2	2
	V	24STPNS01/ 24STPNC01/ 24STPPE01/ 24STPCC01/ 24STPRR01/ 24STPRC01	Students Training Programme: National Service Scheme/ National Cadet Corps/ Physical Education/ Consumer Club/ Red Ribbon Club/ Youth Red Cross	-	-
Total				30	22
II	I	24GT2GT02/ 24GT2GS02/ 24GH2GS02/	Tamil-II/ Hindi-II	6	3
		II	24GE2GS02	English-II	4
	III	24XX2MC04	CC - 4	11 (4+4+3)	10 (4+4+2)
		24XX2MC05	CC - 5		
		24XX2MC06	CC - 6 (Practical)		
		24XX2AC2A/ 24XX2AC2B	Elective Course -II Discipline Specific Elective (Allied Course -II)	3	3
	IV	24XX2AP2A/ 24XX2AP2B	Allied Practical-II	2	1
		24AE2VE02	Ability Enhancement Course -2 (AEC-2) Sustainability Life Skills	2	2
	V	24SE2CE02	Skill Enhancement Course-1 (SEC-1) Soft Skills	2	2
		24STPNS01/ 24STPNC01/ 24STPPE01/ 24STPCC01/ 24STPRR01/ 24STPRC01	Students Training Programme: National Service Scheme/ National Cadet Corps/ Physical Education/ Consumer Club/ Red Ribbon Club/ Youth Red Cross	-	-
Total				30	24

Sem.	Part	Code	Title of the Course	Hours	Credit	
III	I	24GT3GT03/ 24GT3GS03/ 24GH3GS03/	Tamil-II/ Hindi-II	6	3	
	II	24GE3GS03	English-III	4	3	
	III	24XX3MC07	CC - 7	10 (6+4)	9 (6+3)	
		24XX3MC08	CC - 8 (Practical)			
		24XX3AC3A/ 24XX3AC3B	Elective Course -III Discipline Specific Elective (Allied Course-III)	3	3	
		24XX3AP3A/ 24XX3AP3B	Allied Practical-III	2	1	
		24SE3XX03	Skill Enhancement Course-2 (SEC-2) (Entrepreneurial Based)	1	1	
	IV	24XX3GE01/ 24GE3NC01	GE - 1 (Arts to Arts & Science to Science)/ National Integration and Personality Development	2	2	
		24AE3ES03	Ability Enhancement Course -3 (AEC-3) Environmental Studies	2	2	
	V	24STPNS01/ 24STPNC01/ 24STPPE01/ 24STPCC01/ 24STPRR01/ 24STPRC01	Students Training Programme: National Service Scheme/ National Cadet Corps/ Physical Education/ Consumer Club/ Red Ribbon Club/ Youth Red Cross	-	-	
			Total	30	24	
	IV	I	24GT4GT04/ 24GT4GS04/ 24GH4GS04/	Tamil-II/ Hindi-II	6	3
		II	24GE4GS04	English-IV	4	3
		III	24XX4MC09	CC - 9	9 (6+3)	8 (6+2)
			24XX4MC10	CC - 10 (Practical)		
24XX4AC4A/ 24XX4AC4B			Elective Course-IV Discipline Specific Elective (Allied Course-IV)	3	3	
		24XX4AP4A/ 24XX4AP4B	Allied Practical-IV	2	1	
IV		24SE4OA4A/ 24SE4OA4B/ 24SE4OA4C	Skill Enhancement Course-3 (SEC-3) Office Fundamentals	3	2	
		24XX4GE02/ 24GE4NC02	GE - 2 (Arts to Science & Science to Arts)/ Organization and Health Programme in NCC	2	2	
		24AE4CB04	Ability Enhancement Course -4 (AEC-4) Capacity Building	1	1	
V		24STPNS01/ 24STPNC01/ 24STPPE01/ 24STPCC01/ 24STPRR01/ 24STPRC01	Students Training Programme: National Service Scheme/ National Cadet Corps/ Physical Education/ Consumer Club/ Red Ribbon Club/ Youth Red Cross	-	1*	

			Total	30	23+1*
Sem.	Part	Code	Title of the Course	Hours	Credit
V	III	24XX5MC11	CC - 11	22	16
		24XX5MC12	CC -12		
		24XX5MC13	CC - 13 (Practical)		
		24XX5MC14	CC - 14 (Practical)		
		24XX5DE1A/ 24XX5DE1B/ 24XX5DE1C	Discipline Specific Elective - 1	4	3
	III	24XX5DE2A/ 24XX5DE2B/ 24XX5DE2C	Discipline Specific Elective - 2	4	3
	IV	24XX5IN01/ 24XX5IT01	Internship/ Industrial Training (Carried out in II year Summer Vacation) (30 hours) / atleast 6 days (IV Sem)	-	2
V	24SLPEX01	Service Learning Programme: Extension JACEP	-	-	
		Total	30	24	
VI	III	24XX6MC15	CC - 15	20	15
		24XX6MC16	CC -16		
		24XX6MC17	CC - 17 (Practical)		
		24XX6MC18	CC -18 (Practical)		
		24XX6PR01	Project*/project based learning for CS*		
		24XX6DE3A/ 24XX6DE3B/ 24XX6DE3C	Discipline Specific Elective - 3	3	2
	IV	24SE6XX04	Skill Enhancement Course-4 (SEC-4) (Domain Specific Skill Courses)	3	2
V	24XX6SS01/ 24XX6SS02/ 24XX6SS03/ 24XX6SS04/ 24XX6SM01	Self Study Course: MOOCs	-	2*	
	24SLPEX01	Service Learning Programme: Extension JACEP	-	1	
		Total	30	23+2*	
		Total	180	140+3*	

* **Extra Credits - Self Study Paper, MOOCs**

* **Group Project**

K1 - Remember; **K2** - Understand; **K3** - Apply; **K4** - Analyze; **K5** - Evaluate