

SCTR's Pune Institute of Computer Technology (PICT), Pune
Department of Electronics and Telecommunication Engineering (E&TCE)

Structure for B-Tech (E&TCE)
[AY 2025-26 onwards]



Abbreviations used

Sr. No.	Broad Category	Sub- Category of course	Category Code
I.	BSC/ESC	Basic Science Course (BSC)	1
		Engineering Science Course (ESC)	2
II.	Program Courses (PC)	Program Core Course (PCC)	3
		Program Elective Course (PEC)	4
III.	Multidisciplinary courses (MC)	Multidisciplinary Minor (MDM)	5
		Open Elective (OE) Other than particular program	6
IV.	Skill Courses (SC)	Vocational and Skill Enhancement Course (VSEC)	7
V.	Humanities Social Science and Management (HSSM)	Ability Enhancement Course (AEC-01, AEC-02)	8
		Entrepreneurship/Economics/ Management Courses (EEM)	9
		Indian Knowledge System (IKS)	10
		Value Education Course (VEC)	11
VI.	Experiential Learning Courses (ELC)	Research Methodology (RM)	12
		Community engagement Project (CEP) / Field Project (FP)	13
		Project (PRJ)	14
		Internship/ On Job Training (IP/OJT)	15
		Co-curricular Activities (CCA)	16

Semester wise distribution of Credits and Marks

Class	Sem-I – Credits	Sem-II – Credits	Total Credits	Sem-I – Marks	Sem-II – Marks	Total Marks
FY	20	20	40	725	750	1475
SY	22	22	44	750	750	1500
TY	20	20	40	750	750	1500
B-Tech	20	16	36	700	400	1100
Total	82	78	160	2925	2650	5575

Proposed Structure: TY B. Tech (Semester - V)

Semester-5			Teaching Scheme (Hours/Week)				Credits				Examination Scheme and Marks						
Category of Course	Course code	Name of the Course (Short forms)	L	P	T	Total	L	P	T	Total	Theory			Practical			Total
											CIE	ISE	ESE	CIE	ESE		
											[20]	[20]	[60]	TW	(P)	(OR)	
PCC	E5-101	Computer Networks (CN)	3	-	-	3	3	-	-	3	20	20	60	-	-	-	100
PCC	E5-102	Computer Networks Lab (CNL)	-	2	-	2	-	1	-	1	-	-	-	-	-	25	25
PCC	E5-103	Embedded Processors (EP)	3	-	-	3	3	-	-	3	20	20	60	-	-	-	100
PCC	E5-104	Embedded Processors Lab (EPL)	-	2	-	2	-	1	-	1	-	-	-	-	25	25	50
PCC	E5-105	Digital Signal Processing (DSP)	2	-	1	3	2	-	1	3	20	20	60	25	-	-	125
AEC	AEC-3	Leadership and Management Skills (LMS)	-	2	-	2	-	1	-	1	-	-	-	25	-	-	25
MDM	MDLX-X	MDM-3	2	-	-	2	2	-	-	2	20	20	60	-	-	-	100
MDM	MDPX-X	MDM-3 #	-	2	-	2	-	1	-	1	-	-	-	25	-	-	25
PEC	E5-109	Program Elective-I	2	-	-	2	2	-	-	2	20	20	60	-	-	-	100
PEC	E5-110	Program Elective-I Lab	-	2	-	2	-	1	-	1	-	-	-	25	-	25	50
OE	OE1-X	Open Elective-III *	-	-	2	2	-	-	2	2	-	-	50	-	-	-	50
Total			12	10	3	25	12	5	3	20	100	100	350	100	25	75	750

#: Tutorial or laboratory as applicable. MDLX-X: First X is basket number; Second X is course number in that basket, L, P, and T has usual meaning.

Refer annexure-1 for MDM details.

*Notional load for Massive Open Online Courses (MOOC)

OE: open electives offered by online platform such as SWAYAM/NPTEL, Refer Annexure-II for details.

Proposed Structure: TY B. Tech (Semester – VI)

Semester-6			Teaching Scheme (Hours/Week)				Credits				Examination Scheme and Marks						
Category of Course	Course code	Name of the Course (Short forms)	L	P	T	Total	L	P	T	Total	Theory			Practical			Total
											CIE	ISE	ESE	CIE	ESE		
											[20]	[20]	[60]	TW	(P)	(OR)	
PCC	E6-112	Electromagnetics Theory and Application (ETA)	2	-	1	3	2	-	1	3	20	20	60	25	-	25	150
PCC	E6-113	Information Theory and Coding Techniques (ITCT)	3	-	-	3	3	-	-	3	20	20	60	-	-	-	100
PCC	E6-114	Information Theory and Coding Techniques Lab (ITCTL)	-	2	-	2	-	1	-	1	-	-	-	-	25	25	50
PCC	E6-115	Power Electronics and Green energy (PEGE)	2	-	-	2	2	-	-	2	20	20	60	-	-	-	100
PCC	E6-116	Power Electronics and Green energy lab (PEGEL)	-	2	-	2	-	1	-	1	-	-	-	-	25	-	25
MDM	MDLX-X	MDM-4	2	-	-	2	2	-	-	2	20	20	60	-	-	-	100
MDM	MDPX-X	MDM-4 #	-	2	-	2	-	1	-	1	-	-	-	25	-	-	25
OE	OE4-X	Open Elective-IV *	-	-	2	2	-	-	2	2	-	-	50	-	-	-	50
VSEC	E6-120	Mini-project and Seminar (MPS)	-	4	-	4	-	2	-	2	-	-	-	-	-	25	25
PEC	E6-121	Program Elective-II	2	-	-	2	2	-	-	2	20	20	60	-	-	-	100
PEC	E6-122	Program Elective-II Lab.	-	2	-	2	-	1	-	1	-	-	-	-	-	25	25
		Total	11	12	3	26	11	6	3	20	100	100	350	50	50	100	750

Place list

*Notional load for Massive Open Online Courses (MOOC)

OE: open electives offered by online platform such as SWAYAM/NPTEL