

COURSE STRUCTURE

B.Tech. and B.Tech.-M.Tech. Dual Degree (Category-A & B) and Double Major (Electrical Engineering)

		GROUP-II				SEMESTER												NINTH	TENTH
		FIRST (IC)		SECOND (IC)		THIRD		FOURTH		FIFTH		SIXTH		SEVENTH		EIGHTH			
C O U R S E		MCI101	3-1-0-11	MCI102	3-1-0-11	EEC201 (DC1)	3-1-0-11	E/SO3 Optional	3-0-0-9	EEC308 (DC8)	3-0-0-9	EEC311 (DC11)	3-0-0-9	DE1	3-0-0-9	DE3	3-0-0-9	DUAL DEGREE	DUAL DEGREE
		CYI101	3-0-0-9	PHI101	3-0-0-9	EEC202 (DC2)	3-0-0-9	EEC204 (DC4)	3-0-0-9	EEC309 (DC9)	3-0-0-9	EEC312 (DC12)	3-0-0-9	DE2	3-0-0-9	DE4	3-0-0-9		
		CYI102	0-0-2-2	PHI102	0-0-2-2	EEC203 (DC3)	3-0-0-9	EEC205 (DC5)	3-0-0-9	EEC310 (DC10)	3-0-0-9	HSS	3-0-0-9	OE3	3-0-0-9	OE6	3-0-0-9		
		EEl101 Modular	3-0-0-9 (9/2)	MCI103 Modular	2-2-0-5	CSE201 E/SO1	3-0-0-9	EEC206 (DC6)	3-0-0-9	MS	3-0-0-9	OE1	3-0-0-9	OE4	3-0-0-9	HSS/OE7	3-0-0-9		
		EEl102 Modular	0-0-3-3 (3/2)	CSI101 Modular	2-1-0-4	MCC505 E/SO2	3-0-0-9	EEC207 (DC7)	3-0-0-9	E/SO4 Optional	3-0-0-9	OE2	3-0-0-9	OE5	3-0-0-9	EEC452 (UGP2)	0-0-0-6		
		ECl101 Modular	3-0-0-9 (9/2)	CSI102 Modular	0-0-2-2	EEC271 (DP1)	0-0-2-2	EEC273 (DP3)	0-0-2-2	EEC375 (DP5)	0-0-2-2	EEC377 (DP7)	0-0-2-2	EEC451 (UGP1)	0-0-0-6	--	--		
		ECl102 Modular	0-0-3-3 (3/2)	CEI101	1-0-3-6	EEC272 (DP2)	0-0-2-2	EEC274 (DP4)	0-0-2-2	EEC376 (DP6)	0-0-2-2	EEC378 (DP8)	0-0-2-2	EES452	0-0-0-0 S/X	--	--		
		ESI101	1-0-0-3	MEI101	3-1-0-11	--	--	--	--	--	--	--	--	--	--	--	--		
		GLI101	1-0-0-3	MSI101	2-0-0-2	--	--	--	--	--	--	--	--	--	--	--	--		
		MEI102	2-0-3-9	CCS102	S/X	--	--	--	--	--	--	--	--	--	--	--	--		
		HSI101	1-0-2-5	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
		CCS101	S/X	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
		54		55		51		49		49		49		51		42			

DUAL DEGREE (CATEGORY-A)								DUAL DEGREE (CATEGORY-B)																								
FIFTH		SIXTH		SEVENTH		EIGHTH		NINTH		TENTH		FIFTH		SIXTH		SEVENTH		EIGHTH		NINTH		TENTH										
EEC512 DCPG	3-0-0-9	EED511	3-0-0-9	EEC502 DCPG	3-0-0-9	EED513	3-0-0-9	EEC597 36 Credits Thesis	EEO503	3-0-0-9	EEC203 DCUG	3-0-0-9	EEC207 DCUG	3-0-0-9	EEC308 DCUG	3-0-0-9	DEPG/ OEPG	3-0-0-9	EEC597 36 Credits Thesis	DEPG/ OEPG	3-0-0-9	EEC597 36 Credits Thesis	DEPG/ OEPG	3-0-0-9								
		OR				OR			OR any course is suggested by the department																EEC310 DCUG	DEPG/ OEPG	3-0-0-9	EEC512 DCPG	DEPG/ OEPG	3-0-0-9	Or any course is suggested by the department	EEC598 18 Credits Thesis
		Any one from the basket given in the next page, if suggested by the department				Any one from the basket given in the next page, if suggested by the department			All four DCUG courses are prescribed from the Course Structure of the Undergraduate Program where the student will do the M.Tech. Program under Dual Degree (Category-B)																Or any course is suggested by the department		EEC598 18 Credits Thesis					

DOUBLE MAJOR (SECOND MAJOR IN OTHER DEPARTMENT)															Department Practical, if any				
MONSOON SEMESTER		CSE201* ESO	3-0-0-9	EEC201 DC	3-0-0-9	EEC202 DC	3-0-0-9	EEC308 DC	3-0-0-9	EEC310 DC	3-0-0-9	EED401 DE1	3-0-0-9	EED402 DE2	3-0-0-9	EEC272			
WINTER SEMESTER		ECE201* (ESO)	3-0-0-9	EEC204 DC	3-0-0-9	EEC206 DC	3-0-0-9	EEC311 DC	3-0-0-9	EEC312 DC	3-0-0-9	EED405 DE3	3-0-0-9	EED406 DE4	3-0-0-9	EEC274			

NOTE: (1) *Two ESOs guided/optional prescribed in the course structure of Double Major program and the same is taken by the students for completion of the course work of the Double Major in the slot of their optional ESO, both the ESOs will fulfil the ESO credit requirement of the Double Major program as well as B.Tech. degree. **(2)** In lieu of Four DCUG (DCPG if the second department does not have any UG program) courses of the Dual Degree (Category-B & C) and Double Major Program will be considered as OE-1, OE-2, OE-3 & OE-4 of the B.Tech. program of Parent Department and the credits of these courses will be counted for fulfilment of the OE credit requirements.

LIST OF COURSES FOR COMPLETION OF MINOR

MONSOON SEMESTER		WINTER SEMESTER	
EEC201	Signals, Systems and Networks	EEC204	Electrical Machines-I
EEC202	Analog and Digital Electronics	EEC207	Power System Engineering

TITLE OF THE MINOR: Electrical Technology

DETAILS OF THE MINIMUM CREDIT REQUIREMENTS FOR COMPLETION OF B.TECH. PROGRAM AND LIST OF ESO, DE AND OE COURSES

Minimum Credit requirements for Graduation:

- Institute Core (IC) : 109 Credits
- Department Compulsory : 110
- Department Elective : 36
- Department Practical : 16
- Engineering/Science Option : 36
- Open Elective : 63
- HSS+MS : 18 (9+9)
- UGP-1 & UGP-2 : 12 (6+6)

LIST OF E/SO	
Guided	Offered
CSE201	*EEE201
MCC505	*EEE202

* Not mandatory for EE Students

LIST OF DEPARTMENTAL ELECTIVES (DE)	
Monsoon DE1 & DE2	Winter DE3 & DE4
EED401	EED405
EED402	EED406
EED403	EED505
EED404	EED511

LIST OF OPEN ELECTIVES (OE)	
Monsoon	Winter
EEO403	EEO301
EEO404	EEE202
EEO405	EEO406

Total : **400**

Minimum Credit requirements for completion of Additional Academic Program

Dual Degree (Category-A)		Dual Degree (Category-B)		Double Major	
<ul style="list-style-type: none"> • Departmental Core (DCPG) 18 Credits • DEPG/OEPH 36 Credits • Thesis 54 Credits <p style="text-align: right;">Total: 108 Credits</p>	<ul style="list-style-type: none"> • Departmental Core (4 DCUG) of Second Department (Extra credits to be counted in B.Tech part as OE credits) 36 Credits • 2 DCPG & 4 DEPG/OEPG or 1 DCPG & 5 DEPG/OEPG 54 Credits • Thesis 54 Credits <p style="text-align: right;">Total: 108 Credits</p>	<ul style="list-style-type: none"> • Two ESO courses 18 Credits • Departmental Core (8 DCUG) of Second Department 72 Credits • 4 DE of Second Department 54 Credits <p style="text-align: right;">Total: 108 Credits</p>	<ul style="list-style-type: none"> • Two ESO courses 18 Credits • Departmental Core (8 DCUG) of Second Department 72 Credits • 4 DE of Second Department 54 Credits <p style="text-align: right;">Total: 108 Credits</p>	<p style="text-align: center;">(Not to be counted in M.Tech. Part)</p>	<p style="text-align: center;">(Not to be counted in the Second Major)</p>