

STUDY SCHEME FOR THIRD SEMESTER LATERAL AND ITI PASSED STUDENTS

THIRD SEMESTER (ELECTRICAL & ELECTRONICS ENGINEERING)

Sr. No.	SUBJECTS	COURSE TYPE & CATEGORY	STUDYSCHEME Periods/Week			Credits	MARKS IN EVALUATION SCHEME									Total Marks of Internal & External
							INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT						
			L	T	P		Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot		
3.1	Digital Electronics	Program Core (Theory)	03	-	-	3	40	-	40	60	3	-	-	60	100	
3.2	Electric Machine- 1	Program Core (Theory)	04	-	-	4	40	-	40	60	3	-	-	60	100	
3.3	Electrical Circuit	Program Core (Practicum)	01	-	04	3	-	60	60		-	40	3	40	100	
3.4	Electronics Workshop	Program Core (Practicum)	01	-	04	3	-	60	60	-	-	40	3	40	100	
3.5	Digital Electronics (Lab)	Program Core (Practical)	-	-	04	2	-	60	60	-	-	40	3	40	100	
3.6	Electric Machine- 1 (Lab)	Program Core (Practical)	-	-	04	2	-	60	60	-	-	40	3	40	100	
3.7	(Q) Open Elective -1 OR	Open Elective (Theory)	02	-	-	2	50*	-	-	-	-	-	-	-	-	
	Advance Skill Development	OPEN Elective (Certification Course)	-	-	-		-	-	-	-	-	-	-	-	-	
3.8	*Minor Project	-	-	-	-	2	-	50	50	-	-	-	-	-	50	
#Student Centered Activities		-	-	-	09	-	-	50	50	-	-	-	-	-	50	
Total			11		25	21	80	340	420	120		160		280	700	

NOTE:- (Q) It is compulsory to appear and to pass the examination, but marks will not be included for percentage and division of obtained marks.

* Advance skill development mention at 3.7 in the table provide the scope of selecting the course as per choice from the elective list provided in the syllabus conducted by various agency of repute of duration not less than 20 Hrs (Offline/Online).

*Lateral entry students shall undertake a minor project and deliver a presentation on the same. This project will serve as an equivalent to Summer Internship-I for the purpose of earning the associated credits and marks

StudentCenteredActivitieswillcompriseofco-curricularactivitieslikeextensionlectures,games,hobbyclubse.g.photographyetc., seminars,declamationcontests,educationalfieldvisits,N.C.C.,NSS, library, CulturalActivitiesandself-studyetc.

A. COMPULSORY SUBJECT OF I-SEMESTER ELECTRICAL & ELECTRONICS ENGINEERING TO BE TAUGHT IN III SEMESTER TO ITI PASSED STUDENTS OF TRADES ARE AS FOLLOWS :

Sr. No.	SUBJECTS	STUDY SCHEME			Credits	MARKS IN EVALUATION SCHEME									Total Marks of Internal & External
		Periods/Week				INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT						
		L	T	P		Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot		
1.1	*Mathematics-I	2	1	-	3+0=3	40	-	40	60	3	-	-	60	100	
1.2	*AppliedPhysics-I	3	-	2	3+1=4	40	60	100	60	3	40	3	100	200	
1.3	*AppliedChemistry	3	-	2	3+1=4	40	60	100	60	3	40	3	100	200	
1.4	*CommunicationSkillsin English	3	-	2	3+1=4	40	60	100	60	3	40	3	100	200	
TOTAL		11	1	6	15	160	180	340	240		120		360	700	

(*) It is compulsory to appear & to pass in examination From III Semester To VI Semester, But credit/marks will not be included for division and percentage of obtained marks.

(*) Four Semester (Two Years) of Extra Time will be given after diploma curriculum period (If Required) to pass the above paper (1.1 To 1.4 and 2.1 To 2.2) examination (As Per G. O. No. 2221/16-Pra. Shi.-3-2009 Dated 28-08-2009) & Revised G.O. No. 2704/16-Pra.Shi.-3-2013-46(8)/2002 Dated 09-01-2013 and B.T.E Order No. Pra.Shi.Pa/C.D.C./2022/872021 Dated 21.02.22

FOURTH SEMESTER (ELECTRICAL & ELECTRONICS ENGINEERING)

Sr. No.	SUBJECTS	COURSE TYPE & CATEGORY	STUDY SCHEME Periods/Week			Credits	MARKS IN EVALUATION SCHEME									Total Marks of Internal & External
							INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT						
			L	T	P		Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot		
4.1	Electric Power Generation, Transmission And Distribution	Program Core (Theory)	03	-	-	3	40	-	40	60	3	-	-	60	100	
4.2	Electric Machine- II	Program Core (Theory)	03	-	-	3	40	-	40	60	3	-	-	60	100	
4.3	Programming In C	Program Core (Practicum)	01	-	04	3	-	60	60	-	-	40	3	40	100	
4.4	Program Elective -1	Program Core (Practicum)	02		02	3	40	-	40	60	3	-	-	60	100	
4.5	Program Elective -2	Program Core (Theory)	03		-	3	40	-	40	60	3	-	-	60	100	
4.6	Electric Machine- II (Lab)	Program Core (Practical)	-	-	04	2	-	60	60	-	-	40	3	40	100	
4.7	(Q) Open Elective -2 Or	Open Elective (Theory)	02	-	-	2	50*	-	-	-	-	-	-	-	-	
	Advance Skill Development	OPEN Elective (Certification Course)	-	-	-		-	-	-	-	-	-	-	-		
4.8	(Q) Essence Of Indian Knowledge And Tradition	Audit Course	02	-	-	-	50*	-	-	-	-	-	-	-	-	
#Student Centered Activities			-	-	10	-	-	50	50	-	-	-	-	-	50	
Total			16		20	19	160	170	330	240	-	80	-	320	650	

(Q)- It is compulsory to appear and to pass in examination, but marks will not be included for division and percentage of obtained marks.

Note: SUMMER INTERNSHIP (4 -6 WEEKS) duration to be organised after fourth semester exam. Evaluation will be in fifth semester.

Student Centered Activities will comprise of co-curricular activities like extension lectures, games, hobby clubs e.g. photography etc., seminars, declamation contests, educational field visits, N.C.C. NSS, library, Cultural Activities and self-study etc.

B. COMPULSORY SUBJECT OF II- SEMESTER ELECTRICAL & ELECTRONICS ENGINEERING TO BE TAUGHT IN IV SEMESTER TO ITI PASSED STUDENTS OF TRADES ARE AS FOLLOWS :

Sr. No.	SUBJECTS	STUDY SCHEME			Credits	MARKS IN EVALUATION SCHEME									Total Marks of Internal & External
		Periods/Week				INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT						
		L	T	P		Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot		
2.1	*Mathematics-II	3	1	-	4+0=4	40	-	40	60	3	-	-	60	100	
2.2	*AppliedPhysics-II	3	-	2	3+1=4	40	60	100	60	3	40	3	100	200	
TOTAL		6	1	2	8	80	60	140	120	-	40	-	160	300	

(*) It is compulsory to appear & to pass in examination From III Semester To VI Semester, But credit/marks will not be included for division and percentage of obtained marks.

(*) Four Semester (Two Years) of Extra Time will be given after diploma curriculum period (If Required) to pass the above paper (1.1 To 1.4 and 2.1 To 2.2) examination (As Per G. O. No. 2221/16-Pra. Shi.-3-2009 Dated 28-08-2009) & Revised G.O. No. 2704/16-Pra.Shi.-3- 2013-46(8)/2002 Dated 09-01-2013 and B.T.E Order No. Pra.Shi.Pa/C.D.C./2022/872021 Dated 21.02.22

PROGRAME ELECTIVE-1

SR.NO.	SUBJECT NAME
(1)	ELECTRONIC INSTRUMENTATION AND MEASUREMENT
(2)	FUNDAMENTAL OF COMMUNICATION ENGINEERING

PROGRAME ELECTIVE-2

SR.NO.	SUBJECT NAME
1.	MICROPROCESSOR AND ITS APPLICATIONS
2.	RENEWABLE ENERGY POWER PLANTS

OPEN ELECTIVE-1

SR.NO.	SUBJECT NAME
1.	DISASTER MANAGEMENT or
2.	ENERGY EFFICIENCY AND AUDIT

OPEN ELECTIVE -2

SR.NO.	SUBJECT NAME
1.	ELECTRIC VEHICLE (TATA) or
2.	INDUSTRIAL ROBOTICS (TATA) or
3.	PROJECT MANAGEMENT or
4.	ECONOMIC POLICIES IN INDIA

OR.

OPEN ELECTIVE

SR.NO.	*CERTIFICATE COURSES
1.	COURSES CONDUCTED BY CENTRE OF EXCELLENCE (ESTABLISHED BY THIRD PARTY AS: - TATA TECHNOLOGIES. etc)
2.	COURSES CONDUCTED BY INFOSYS PRINGBOARD
3.	COURSES CONDUCTED BY TCS ION
4.	COURSES CONDUCTED BY OTHER RELEVANT GOVERNMENT, INTERNATIONAL/NATIONAL ORGANIZATION OR PLATFORMS OF REPUTE
5.	COURSES CONDUCTED BY AICTE-ELIS AND CENTRALLY FUNDED TECHNICAL INSTITUTES
6.	COURSES CONDUCTED BY C-DAC
7.	COURSES CONDUCTED BY NEILIT