

I SEMESTER

TEACHING AND EXAMINATION SCHEME

Sl No	Course Code	Course Name	Teaching Scheme					Examination Scheme							
			Instruction Periods per week			Total Periods per semester	Credits	Continuous internal evaluation			Semester end examination				
			L	T	P			Mid sem 1	Mid sem 2	Internal evaluation	Max Marks	Min Marks	Total marks	Min marks for passing including internal	
1	18EE-101F	Basic English	3	1	0	60	3	20	20	20	40	14	100	35	
2	18EE-102F	Basic Engineering Mathematics	3	1	0	60	3	20	20	20	40	14	100	35	
3	18EE-103F	Basic Physics	3	1	0	60	3	20	20	20	40	14	100	35	
4	18EE-104F	General Engineering Chemistry	3	1	0	60	3	20	20	20	40	14	100	35	
5	18EE-105C	Basic Electrical Engineering	3	1	0	60	3	20	20	20	40	14	100	35	
6	18EE-106P	Basic Engineering Drawing	1	0	2	45	1.5	20	20	20	40	20	100	50	
7	18EE-107P	Basic Computer Aided Drafting	1	0	2	45	1.5	20	20	20	40	20	100	50	
8	18EE-108P	Basic Electrical Workshop Practice	1	0	2	45	1.5	20	20	20	40	20	100	50	
9	18EE-109P-A+B	Basic Science Lab Practice	1	0	2	45	1.5	20	20	20	40	20	100	50	
10	18EE-110P	Computer Fundamentals Lab Practice	1	0	2	45	1.5	20	20	20	40	20	100	50	
11		Skill Upgradation	0	0	7	105	2.5	0	0	Rubrics			--	-	
			20	5	17	630	25	200	200	200	400	170	1000	425	
Activities: student performance is to be assessed through Rubrics															

II SEMESTER

TEACHING AND EXAMINATION SCHEME

Sl No	Course Code	Course Name	Teaching Scheme					Examination Scheme						
			Instruction periods per week			Total periods per semester	Credits	Continuous internal evaluation			Semester end examination			
			L	T	P			Mid sem1	Mid sem 2	Internal evaluation	Max Marks Min Marks	Total marks	Min marks for passing including internal	
1	18EE-201F	Advanced English	3	1	0	60	3	20	20	20	40	14	100	35
2	18EE-202F	Engineering Mathematics	3	1	0	60	3	20	20	20	40	14	100	35
3	18EE-203F	Applied Physics	3	1	0	60	3	20	20	20	40	14	100	35
4	18EE-204F	Engineering Chemistry & Environmental Studies	3	1	0	60	3	20	20	20	40	14	100	35
5	18EE-205C	Electrical Engineering & Electronics Devices	3	1	0	60	3	20	20	20	40	14	100	35
6	18EE-206P	Advanced Engineering Drawing	1	0	2	45	1.5	20	20	20	40	20	100	50
7	18EE-207P	Advanced Computer Aided Drafting	1	0	2	45	1.5	20	20	20	40	20	100	50
8	18EE-208P	Advanced Electrical Workshop Practice	1	0	2	45	1.5	20	20	20	40	20	100	50
9	18EE-209P-A+B	Applied Science Lab Practice	1	0	2	45	1.5	20	20	20	40	20	100	50
10	18EE-210P	Information Technology Lab Practice	1	0	2	45	1.5	20	20	20	40	20	100	50
11		Skill Upgradation	0	0	7	105	2.5	0	0	Rubrics		--	-	
			20	5	17	630	25	200	200	200	400	170	1000	425

Activities: student performance is to be assessed through Rubrics

III SEMESTER

TEACHING AND EXAMINATION SCHEME

Sl No	Course Code	Course Name	Teaching Scheme					Examination Scheme							
			Instruction Periods per week			Total Periods per semester	Credits	Continuous internal evaluation			Semester end examination				
			L	T	P			Mid sem 1	Mid sem 2	Internal evaluation	Max Marks	Min Marks	Total marks	Min marks for passing including internal	
1	18EE-301F	Applied Engineering Mathematics	3	1	0	60	3	20	20	20	40	14	100	35	
2	18EE-302C	Electrical Circuits	3	1	0	60	3	20	20	20	40	14	100	35	
3	18EE - 303C	DC Machines and Batteries	3	1	0	60	3	20	20	20	40	14	100	35	
4	18EE - 304C	Electrical and Electronic Measuring Instruments	3	1	0	60	3	20	20	20	40	14	100	35	
5	18EE - 305C	Electronic Circuits	3	1	0	60	3	20	20	20	40	14	100	35	
6	18EE - 306P	Circuits Lab Practice	1	0	2	45	1.5	20	20	20	40	20	100	50	
7	18EE - 307P	DC Machines Lab Practice	1	0	2	45	1.5	20	20	20	40	20	100	50	
8	18EE - 308P	Electrical Measurements Lab Practice	1	0	2	45	1.5	20	20	20	40	20	100	50	
9	18EE - 309P	Electronics Lab Practice	1	0	2	45	1.5	20	20	20	40	20	100	50	
10	18EE - 310P	Communication Skills and Life Skills lab practice	1	0	2	45	1.5	20	20	20	40	20	100	50	
11		Skill Upgradation	0	0	7	105	2.5	0	0	Rubrics			--	-	
			20	5	17	630	25	200	200	200	400	170	1000	425	
Activities: student performance is to be assessed through Rubrics															

IV SEMESTER

TEACHING AND EXAMINATION SCHEME

Sl No	Course Code	Course Name	Teaching Scheme					Examination Scheme							
			Instruction Periods per week			Total Periods per semester	Credits	Continuous internal evaluation			Semester end examination				
			L	T	P			Mid sem 1	Mid sem 2	Internal evaluation	Max Marks	Min Marks	Total marks	Min marks for passing including internals	
1	18EE-401F	Advanced Engineering Mathematics	3	1	0	60	3	20	20	20	40	14	100	35	
2	18EE-402C	Electrical Power Systems	3	1	0	60	3	20	20	20	40	14	100	35	
3	18EE-403C	AC Machines	3	1	0	60	3	20	20	20	40	14	100	35	
4	18EE-404C	General Mechanical Engineering	3	1	0	60	3	20	20	20	40	14	100	35	
5	18EE-405C	Digital Electronics	3	1	0	60	3	20	20	20	40	14	100	35	
6	18EE-406P	Electrical Engineering Drawing Practice	1	0	2	45	1.5	20	20	20	40	20	100	50	
7	18EE-407P	AC Machines Lab Practice	1	0	2	45	1.5	20	20	20	40	20	100	50	
8	18EE-408P	Electrical CAD Lab Practice	1	0	2	45	1.5	20	20	20	40	20	100	50	
9	18EE-409P	Digital Electronics Lab Practice	1	0	2	45	1.5	20	20	20	40	20	100	50	
10	18EE-410P	Advanced Communication Skills and Life Skills	1	0	2	45	1.5	20	20	20	40	20	100	50	
11		Skill Upgradation	0	0	7	105	2.5	0	0	Rubrics			--	-	
			20	5	17	630	25	200	200	200	400	170	1000	425	
Activities: student performance is to be assessed through Rubrics															

V Semester

TEACHING AND EXAMINATION SCHEME

Sl. No.	Course Code	Course Name	Teaching Scheme					Examination Scheme							
			Instruction periods per week			Total Periods	Credits	Continuous internal evaluation			Semester end examination				
			L	T	P			Mid	Mid	Interna	Max.	Min.	Total marks	Min. marks for passing including	
1	18EE-501F	Industrial Management and Entrepreneurship	3	1	0	60	3	20	20	20	40	14	100	35	
2	18EE-502C	AC Motors	3	1	0	60	3	20	20	20	40	14	100	35	
3	18EE-503E	<i>Program Elective – I</i>	3	1	0	60	3	20	20	20	40	14	100	35	
4	18EE-504E	<i>Program Elective- II</i>	3	1	0	60	3	20	20	20	40	14	100	35	
5	18EE-505C	Electrical Estimation and Utilization	3	1	0	60	3	20	20	20	40	14	100	35	
6	18EE-506P	AC Motors Lab Practice	1	0	2	45	1.5	20	20	20	40	14	100	35	
7	18EE-507P	Power Electronics Lab Practice	1	0	2	45	1.5	20	20	20	40	20	100	50	
8	18EE-508P	Programmable Logic Controllers Lab Practice	1	0	2	45	1.5	20	20	20	40	20	100	50	
9	18EE-509P	Programming in C Lab Practice	1	0	2	45	1.5	20	20	20	40	20	100	50	
10	18EE-510P	Project work	1	0	2	45	1.5	20	20	20	40	20	100	50	
11	Skill up gradation		0	0	7	105	2.5	0	0	Rubrics					
Total			20	5	17	630	25	200	200	200	400	170	1000	425	
Activities: student performance is to be assessed through Rubrics															
Program Elective – I															
	18EE-503E (A)	Industrial Electronics													
	18EE-503E (B)	Power Electronics													
Program Elective – II															
	18EE-504E (A)	Switchgear and Protection													
	18EE-504E (B)	Advanced Protection of Power Systems													

Industrial Training (VI Semester)

Swapping of Industrial Training in C-18 Curriculum in V and VI Semesters

(50% of each Polytechnic students undergo Industrial Training in V Semester and remaining in VI Semester).

- **Evaluation and assessment of Industrial Training**, shall be done and marks be awarded in the following manner, provided the candidates concerned have put up minimum 90% attendance of Industrial Training.

Industrial assessment at Industry : 600 marks (in two spells of 300 marks each)

Institutional Evaluation : 300 marks

Semester End Examination : 100 marks

(Seminar/viva-voce at Institution)

TOTAL

1000 marks

Assessment parameters at Industry

Sl No	Learning Parameter	Assessment I (First Quarter)	Assessment II (Second Quarter)
1	Attendance and punctuality	20	20
2	Familiarity of tools and material	30	30
3	Engineering skills	50	50
4	Application of knowledge & Problem solving skills	50	50
5	Comprehension and observation	10	10
6	Professionalism/Professional ethics	20	20
7	Safety and environmental consciousness	10	10
8	Communication skills	20	20
9	Supervisory skills	50	50
10	General conduct during the period	40	40
Total marks for Industry Evaluation		300	300
		600 marks	