

DIPLOMA IN ELECTRICAL & ELECTRONICS ENGINEERING
SCHEME OF INSTRUCTIONS AND EXAMINATIONS
(FIRST YEAR)

Subject Code	Name of the Subject	Instruction periods/week		Total Periods/year	Scheme of Examination			
		Theory	Practical/Tutorial		Duration (hours)	Sessional Marks	End Exam Marks	Total Marks
THEORY								
EE-101	English	3	-	90	3	20	80	100
EE-102	Engineering Mathematics - I	5	-	150	3	20	80	100
EE-103	Engineering Physics	3	-	90	3	20	80	100
EE-104	Engineering chemistry & Environmental studies	3	-	90	3	20	80	100
EE-105	Electrical Engineering Material Science	4	-	120	3	20	80	100
EE-106	Basic Electrical Technology	6	-	180	3	20	80	100
PRACTICAL								
EE-107	Engineering Drawing	-	3	90	3	40	60	100
EE-108	Electrical Wiring Laboratory	-	6	180	3	40	60	100
EE-109	Physics Lab	-	1.5	45	1½	20	30	50
EE-110	Chemistry Lab	-	1.5	45	1½	20	30	50
EE-111	Computer Fundamentals Laboratory	-	3	90	3	40	60	100

	TOTAL	24	15	1170	30	280	720	1000
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(III SEMESTER)

Subject Code	Name of the Subject	Instruction periods/week		Total Periods/year	Scheme of Examination			
		Theory	Practical/Tutorial		Duration (hours)	Sessional Marks	End Exam Marks	Total Marks
THEORY								
EE-301	Engineering Mathematics - II	4	-	60	3	20	80	100
EE-302	Electrical Machines- I	5	-	75	3	20	80	100
EE-303	A.C. Circuits & Transformers	6	-	90	3	20	80	100
EE-304	Electronics Engineering	4	-	60	3	20	80	100
EE-305	Programming in "C"	5	-	75	3	20	80	100
PRACTICAL								
EE-306	Electrical CAD Laboratory	-	3	45	3	40	60	100
EE-307	Electrical Machines – I Laboratory	-	3	45	3	40	60	100
EE-308	Circuits & Transformers Laboratory	-	3	45	3	40	60	100
EE-309	Electronics Engineering Laboratory	-	3	45	3	40	60	100
EE-310	Programming in	-	3	45	3	40	60	100

	"C" Laboratory							
	TOTAL	24	15	585	30	300	700	1000

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(IV SEMESTER)

Subject Code	Name of the Subject	Instruction periods/week		Total Periods/year	Scheme of Examination			
		Theory	Practical/Tutorial		Duration (hours)	Sessional Marks	End Exam Marks	Total Marks
THEORY								
EE- 401	Electrical Installation & Estimation	4	-	60	3	20	80	100
EE- 402	Electrical Machines- II	5	-	75	3	20	80	100
EE- 403	Power Systems – I	4	-	60	3	20	80	100
EE- 404	Power Electronics & PLC	4	-	60	3	20	80	100
EE- 405	General Mechanical Engineering	4	-	60	3	20	80	100
PRACTICAL								
EE- 406	Electrical Engineering Drawing	-	6	90	3	40	60	100
EE- 407	Electrical Machines- II Laboratory	-	3	45	3	40	60	100
EE- 408	Communications Skills Laboratory	-	3	45	3	40	60	100
EE- 409	Power Electronics Laboratory	-	3	45	3	40	60	100

EE-410	Hybrid Power Systems Laboratory	-	3	45	3	40	60	100
	TOTAL	21	18	585	30	300	700	1000

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(V SEMESTER)

Subject Code	Name of the Subject	Instruction periods/week		Total Periods/year	Scheme of Examination			
		Theory	Practical/Tutorial		Duration (hours)	Sessional Marks	End Exam Marks	Total Marks
THEORY								
EE 501	Industrial Management & Smart Technologies	4	-	60	3	20	80	100
EE-502	Electric Vehicle Technology	5	-	75	3	20	80	100
EE-503	Power Systems - II	5	-	75	3	20	80	100
EE-504	Digital Electronics & Micro Controllers	5	-	75	3	20	80	100
EE-505	Electrical Utilisation & Traction	5	-	75	3	20	80	100
PRACTICAL								
EE-506	MATLAB Practice Laboratory	-	3	45	3	40	60	100
EE-507	PLC & SCADA Laboratory	-	3	45	3	40	60	100
EE-508	Life Skills	-	3	45	3	40	60	100

EE-509	Digital Electronics & Micro Controllers Laboratory	-	3	45	3	40	60	100
EE-510	Project Work	-	3	45	3	40	60	100
	TOTAL	24	15	585	30	300	700	1000

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VI SEMESTER INDUSTRIAL TRAINING

Sl. No.	Course Title	Duration	Scheme of evaluation			Remarks
			Item	Nature	Max. Marks	
1	Industrial Training	6	1.First Assessment at training place/ Industry (After 12 Weeks)	Assessment of Learning outcomes by both the faculty and training Mentor of the industry	120	Pass marks is 50% in assessment at training place/industry (first and second assessment put together)
			2.Second Assessment at training place/Industry (After 20 weeks)	Assessment of Learning outcomes by both the faculty and training Mentor of the industry	120	
			Final Summative assessment at institution level after	Training Report Demonstration of any one of the skills listed in learning outcomes	20 30	

		months	completion of training.	Viva Voce	10	Pass marks is 50% in final summative assessment
TOTAL MARKS					300	