Syllabus for Electrical and Electronics Engineering as per C-16 Curriculum

I YEAR

Sub code	Name of the Subject	Instruction periods/week		Total periods per year	Scheme of Examination			
		Theory	Practicals		Duration (Hrs)	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	4		120	3	20	80	100
EE-104	Engineering Chemistry and Environmental studies	4		120	3	20	80	100
EE-105	Electrical engineering Materials	3		90	3	20	80	100
EE-106	Basic Electrical Engineering	5		150	3	20	80	100
PRACTICAL								
EE-107	Engineering Drawing		6	180	3	40	60	100
EE-108	Basic Electrical and Electronics Laboratory		6	180	3	40	60	100
EE-109	Physics Laboratory		3	90	3	20	30	50
EE-110	Chemistry Laboratory				3	20	30	50
EE-111	Computer Fundamentals laboratory		3	90	3	40	60	100

III SEMESTER

Sub code	Name of the Subject	Instruction periods/week		Total periods per year	Scheme of Examination			
		Theory	Practicals		Duration (Hrs)	Sessional Marks	End Exam Marks	Total Marks
THEORY								
EE-301	Engg mathematics –II	5		75	3	20	80	100
EE-302	D.C. machines & measuring instruments	5		75	3	20	80	100
EE-303	Electrical circuits	5		75	3	20	80	100
EE-304	General mechanical engg	5		75	3	20	80	100
EE-305	Electronics engg - I	4		60	3	20	80	100
PRACTICAL								
EE-306	Dc machines & Measurements lab		6	90	3	40	60	100
EE-307	Electrical wiring & Maintenance lab		6	90	3	40	60	100
EE-308	C-language lab		3	45	3	40	60	100
EE-309	Electronics Engg lab – i		3	45	3	40	60	100
	TOTAL	**24**	**18**	**630**	**27**	**260**	**640**	**900**

IV SEMESTER

Sub code	Name of the Subject	Instruction periods/week		Total periods per year	Scheme of Examination			
		Theory	Practicals		Duration (Hrs)	Sessional Marks	End Exam Marks	Total Marks
THEORY								
EE-401	A.C. machines -I	5		75	3	20	80	100
EE-402	Power systems -I(G& P)	5		75	3	20	80	100
EE-403	Electrical utilization & traction	5		90	3	20	80	100
EE-404	Electrical installation & estimation	4		60	3	20	80	100
EE-405	Electronics Engg - II	5		75	3	20	80	100
PRACTICAL								
EE-406	Electrical engg drawing		7	90	3	40	60	100
EE-407	A.C. machines -I laboratory		4	60	3	40	60	100
EE-408	Communication skills lab		3	45	3	40	60	100
EE-409	Electronics lab - ii		4	60	3	40	60	100
	TOTAL	**26**	**18**	**630**	**27**	**260**	**640**	**900**

V SEMESTER

Sub code	Name of the Subject	Instruction periods/week		Total periods per year	Scheme of Examination			
		Theory	Practicals		Duration (Hrs)	Sessional Marks	End Exam Marks	Total Marks
THEORY								
EE-501	Industrial management & smart technologies	5		75	3	20	80	100
EE-502	A.C. machines-II	5		75	3	20	80	100
EE-503	Power systems -II (T,D & P)	5		75	3	20	80	100
EE-504	Power electronics & PLC	5		75	3	20	80	100
EE-505	Digital electronics & Micro controllers	5		75	3	20	80	100
PRACTICAL								
EE-506	A.C. machines laboratory-II		4	60	3	40	60	100
EE-507	Power electronics & PLC lab		6	90	3	40	60	100
EE-508	Life skills		3	45	3	40	60	100
EE-509	Digital electronics & Micro controllers Lab		4	60	3	40	60	100
	TOTAL	**25**	**17**	**630**	**27**	**260**	**640**	**900**

VI SEMESTER

S.No	Subject	Duration	Items	Max Marks	Remarks
1	EE-601 Practical Training in the Industry	6 Months	1.First Assessment (at the end of 3rd month)	100	
			2. Second Assessment (at the end of 6th month)	100	
			3.Training report i) Log Book ii) Report	30 30	
			4. Seminar	40	
Total :				**300**	

The industrial training shall carry 300 marks and pass marks are 50%.A candidate failing to secure the minimum marks should complete it at his own expenses.

During Industrial training the candidate shall put in a minimum of 90%attendence.

OTHER EDUCATIONAL ASSIGNMENTS ALONG WITH CURRICULUM (COMMON FOR ALL BRANCHES)

S.NO	ASSIGNMENT	PER SEM
1	Skill Development program by APSSDC	15 days
2	Industrial Visits	2
3	Workshops	1

CO- CURRICULAR ACTIVITIES (COMMON FOR ALL BRANCHES)

S.NO	ASSIGNMENT	PER YEAR
1	TECH FEST	2days
2	SPORTS & GAMES	1 WEEK