

CURRICULUM C-09

DIPLOMA IN ELECTRONICS & COMMUNICATION ENGINEERING

STATE BOARD OF TECHNICAL EDUCATION AND TRAINING

**ANDHRA PRADESH
HYDERABAD**

DIPLOMA IN ELECTRONICS & COMMUNICATION ENGINEERING

SCHEME OF INSTRUCTIONS AND EXAMINATION CURRICULUM-2009 (FIRST YEAR)

Sub Code	Name of the Subject	Instruction Periods/Week		Total Periods Per Year	Scheme Of Examinations			
		Theory	Practicals		Duration (hrs)	Sessional Marks	End Exam Marks	Total Marks
THEORY SUBJECTS								
EC -101	English	2	-	60	3	20	80	100
EC -102	Engineering Mathematics - I	5	-	150	3	20	80	100
EC -103	Engineering Physics	4	-	120	3	20	80	100
EC -104	Engineering Chemistry and Environmental Studies	4	-	120	3	20	80	100
EC -105	Basic Electronics	5	-	150	3	20	80	100
PRACTICAL SUBJECTS								
EC -106	Basic Electronics Lab	-	6	180	3	40	60	100
EC -107	Engineering Drawing	-	6	180	3	40	60	100
EC 108	Physics Laboratory	-	3	90	3	20	30	50
EC - 109	Chemistry Laboratory	-			3	20	30	50
EC -110	Information Technology Lab	-	4	120	3	40	60	100

-	Group Task / Seminar	-	3	90	-	-	-	-
	Total	20	22	1260	-	260	640	900

**DIPLOMA IN ELECTRONICS & COMMUNICATION
ENGINEERING
SCHEME OF INSTRUCTIONS AND EXAMINATION
CURRICULUM-2009
(III Semester)**

Sub Code	Name of the Subject	Instruction Periods/Week		Total Periods Per Semester	Scheme Of Examinations			
		Theory	Practicals		Duration (hrs)	Sessional Marks	End Exam Marks	Total Marks
THEORY SUBJECTS								
EC-301	Engineering Mathematics –II	4	-	60	3	20	80	100
EC-302	Electronic Circuits -I	6	-	90	3	20	80	100
EC-303	Communication Systems - I	6	-	90	3	20	80	100
EC -304	Digital Electronics	6	-	90	3	20	80	100
EC -305	Circuit Theory	6	-	90	3	20	80	100
PRACTICAL SUBJECTS								
EC -306	Electronic Circuits –I Lab	-	3	45	3	40	60	100
EC-307	Communication Systems – I Lab	-	3	45	3	40	60	100
EC-308	Digital Electronics Lab	-	3	45	3	40	60	100
EC-309	English Communication lab level-1	-	3	45	3	20	30	50
	Group Task / Seminar	-	2	30	-	-	-	-

	Total	28	14	630		240	610	850
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**DIPLOMA IN ELECTRONICS & COMMUNICATION
ENGINEERING
SCHEME OF INSTRUCTIONS AND EXAMINATION
CURRICULUM-2009
(IV Semester)**

Sub Code	Name of the Subject	Instruction Periods/Week		Total Periods Per Semester	Scheme Of Examinations			
		Theory	Practicals		Duration (hrs)	Sessional Marks	End Exam Marks	Total Marks
THEORY SUBJECTS								
EC-401	Electronic Circuits- II	6	-	90	3	20	80	100
EC-402	Communication Systems II	6	-	90	3	20	80	100
EC-403	Microprocessors	6	-	90	3	20	80	100
EC-404	Electronic Measurements	5	-	75	3	20	80	100
EC-405	Audio & Video Systems	5	-	75	3	20	80	100
PRACTICAL SUBJECTS								
EC-406	Electronic Circuits _ II Lab	-	3	45	3	40	60	100
EC-407	Communication Systems- II Lab	-	3	45	3	40	60	100
EC-408	Microprocessors Lab	-	3	45	3	40	60	100
EC-409	English Communication Lab Level - II	-	3	45	3	20	30	50
	Group Task / Seminar	-	2	30	-	-	-	-
	Total	28	14	630	-	240	610	850

**EC-501 INDUSTRIAL TRAINING
(Practical Training)**

V SEMESTER

S.NO	Subject	Duration	Items	Max Marks	Remarks
1	Practical Training in the Industry	6 Months	1.First Assessment (at the end of 2nd month)	200	
			2. Second Assessment (at the end of 4 th month)	200	
			3.Final Assessment (at the end of spell)	200	
			4. Log Book & Record	100	50 Marks each
			5. Seminar	50	
TOTAL MARKS PER SEMESTER				750	

- The industrial training shall carry 750 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%attendance.

**DIPLOMA IN ELECTRONICS & COMMUNICATION
ENGINEERING
SCHEME OF INSTRUCTIONS AND EXAMINATION
CURRICULUM-2009
(VI Semester)**

Sub Code	Name of the Subject	Instruction Periods/Week		Total Periods Per Semester	Scheme Of Examinations			
		Theory	Practicals		Duration (hrs)	Sessional Marks	End Exam Marks	Total Marks
THEORY SUBJECTS								
EC-601	Industrial Management and Entrepreneurship	5	-	75	3	20	80	100
EC-602	Micro Controllers	6	-	90	3	20	80	100
EC-603	Advanced Communication Systems	6	-	90	3	20	80	100
EC-604	Industrial Electronics	5	-	90	3	20	80	100
EC-605	ELECTIVES	6	-	90	3	20	80	100
	(A) Data Communication & Computer Networks							
	(B) Computer Hardware							
PRACTICAL SUBJECTS								
EC-606	Micro Controllers Lab	-	3	45	3	40	60	100
EC-607	Advanced Communication Systems Lab	-	3	45	3	40	60	100
EC-608	Industrial Electronics Lab	-	3	45	3	40	60	100
EC-609	English Communication skills Laboratory Level - III		2	30	3	20	30	50
	Group Task / Seminar	-	3	45	-	-	-	-
	Total	28	14	630	-	240	610	850

