

**CURRICULUM – 2009  
(C-09)**

**DIPLOMA IN  
COMPUTER ENGINEERING**



**State Board of Technical Education & Training  
Andhra Pradesh : : Hyderabad**

**DIPLOMA IN COMPUTER 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
<b>THEORY SUBJECTS</b>								
CM-101	English	2	-	60	3	20	80	100
CM-102	Engineering Mathematics - I	5	-	150	3	20	80	100
CM-103	Engineering Physics	4	-	120	3	20	80	100
CM-104	Engineering Chemistry and Environmental Studies	4	-	120	3	20	80	100
CM-105	Computer Fundamentals & Programming in C	5	-	150	3	20	80	100
<b>PRACTICAL SUBJECTS</b>								
CM-106	Computer Fundamentals & Programming in C lab	-	6	180	3	40	60	100
CM-107	Engineering Drawing	-	6	180	3	40	60	100
CM-108	Physics Laboratory	-	3	90	3	20	30	50
CM-109	Chemistry Laboratory	-			3	20	30	50
CM-110	Information Technology Lab	-	4	120	3	40	60	100

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

**DIPLOMA IN COMPUTER 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
<b>THEORY SUBJECTS</b>								
CM-301	Engineering Mathematics –II	4	-	60	3	20	80	100
CM-302	Basic Electrical & Electronics Engg.	5	-	75	3	20	80	100
CM-303	Digital Electronics & Computer Architecture	6	-	90	3	20	80	100
CM-304	Data Structures through C	5	-	75	3	20	80	100
CM-305	RDBMS	4	-	60	3	20	80	100
<b>PRACTICAL SUBJECTS</b>								
CM-306	Data Structures Lab	-	4	60	3	40	60	100
CM-307	Digital Electronics Lab	-	3	45	3	40	60	100
CM-308	Electronic Workshop Practice	-	3	45	3	40	60	100

CM-309	RDBMS Lab		3	45	3	40	60	100
CM-310	English Communication lab level-1	-	3	45	3	20	30	50
	Seminars/Tutorials	-	2	30	-	-	-	-
	Total	24	18	630		280	670	950

**DIPLOMA IN COMPUTER ENGINEERING  
SCHEME OF INSTRUCTIONS AND EXAMINATION  
CURRICULUM-2009  
(IV Semester)**

Sub Code	Name of the Subject	Instruction		Total Periods Per Semester	Scheme Of Examinations			
		Periods/Week			Duration (hrs)	Sessional Marks	End Exam Marks	Total Marks
		Theory	Practicals					
<b>THEORY SUBJECTS</b>								
CM-401	Operating systems	4	-	60	3	20	80	100
CM-402	Computer Hardware & Networking	5	-	75	3	20	80	100
CM-403	OOP through C++	4	-	60	3	20	80	100
CM-404	Microprocessors	5	-	75	3	20	80	100
CM-405	.NET Programming	4	-	60	3	20	80	100
<b>PRACTICAL SUBJECTS</b>								
CM-406	Computer Hardware & Networking Lab	-	6	90	3	40	60	100
CM-407	C++ Lab	-	3	45	3	40	60	100

CM-408	Microprocessors Lab	-	3	45	3	40	60	100
CM-409	.NET Programming Lab	-	3	45	3	40	60	100
CM-410	English Communication Lab Level - II	-	3	45	3	20	30	50
	Group Task / Seminar	-	2	30	-	-	-	-
	Total	22	20	630	-	280	670	950

### CM-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 <sup>th</sup> month)	200	
			3.Final Assessment (at the end of spell)	200	
			4. Log Book & Record	100	50 Marks Each
			5. Seminar	50	

<b>TOTAL PER SEMESTER</b>	<b>750</b>
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The industrial training shall carry 750 marks and pass marks is **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.

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**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
<b>THEORY SUBJECTS</b>								
CM-601	Industrial Management and Entrepreneurship	5	-	75	3	20	80	100
CM-602	System Administration	5	-	75	3	20	80	100
CM-603	Java Programming	5	-	75	3	20	80	100
CM-604	Web Designing	5	-	75	3	20	80	100
CM-605	<b>ELECTIVES</b>	5	-	75	3	20	80	100
	(A) Software Engineering							
	(B) Mobile Computing							
	(C) Advanced Database Systems							
<b>PRACTICAL SUBJECTS</b>								
CM-606	System Administration lab	-	3	45	3	40	60	100
CM-607	Java lab	-	3	45	3	40	60	100
CM-608	Web Designing lab	-	3	45	3	40	60	100
CM-609	Computer Animation Lab	-	3	45	3	40	60	100
CM-610	English Communication skills Laboratory Level - III		2	30	3	20	30	50
	Group Task / Seminar	-	3	45	-	-	-	-
	<b>Total</b>	<b>25</b>	<b>17</b>	<b>630</b>	<b>-</b>	<b>280</b>	<b>670</b>	<b>950</b>

