

BAPATLA ENGINEERING COLLEGE : BAPATLA
(Autonomous)
SCHEME OF INSTRUCTION & EXAMINATION (Semester System)
For
Computer Science & Engineering
With Effective From 2014-2015 Academic Year
B.Tech., (SEMESTER – III)

Code No.	Subject	Scheme of Instruction (Periods per week)					Scheme of Examination (Maximum marks)			No. of Credits
		L	T	P	S	Total	CIE	SEE	Total Marks	
14CS301/MA03	Engineering Mathematics – III	4	0	0	0	4	40	60	100	3
14CS/IT302	Discrete Mathematical Structures	4	1	0	0	5	40	60	100	4
14CS/IT303	Digital Logic Design	4	0	0	0	4	40	60	100	3
14CS/IT304	Operating Systems	4	0	0	1	5	40	60	100	3
14CS/IT305	Data Structures	4	1	0	0	5	40	60	100	4
14CS/IT306	Object Oriented Programming	4	0	0	0	4	40	60	100	3
14CSL301/ENL02	Soft Skills Lab	0	0	3	0	3	40	60	100	2
14CS/ITL302	Data Structures Lab	0	0	3	0	3	40	60	100	2
14CS/ITL303	OOPS Lab	0	0	3	0	3	40	60	100	2
	TOTAL	24	2	9	1	36	360	540	900	26

CIE: Continuous Internal Evaluation
L: Lecture

T: Tutorial

SEE: Semester End Examination
P: Practical

S: Self Study

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Code No.	Subject	Scheme of Instruction (Periods per week)					Scheme of Examination (Maximum marks)			No. of Credits
		L	T	P	S	Total	CIE	SEE	Total Marks	
14CS401/MA05	Engineering Mathematics – IV	4	0	0	0	4	40	60	100	3
14CS402	Professional Ethics and Human Values	4	0	0	0	4	40	60	100	3
14CS/IT403	Computer Organization	4	1	0	0	5	40	60	100	4
14CS/IT404	Design and Analysis of Algorithms	4	1	0	0	5	40	60	100	4
14CS/IT405	GUI Programming	4	0	0	1	5	40	60	100	3
14CS406	Web Technologies	4	0	0	0	4	40	60	100	3
14CS/ITL401	DAA Lab	0	0	3	0	3	40	60	100	2
14CS/ITL402	GUI Programming Lab	0	0	3	0	3	40	60	100	2
14CSL403	Web Technologies Lab	0	0	3	0	3	40	60	100	2
	TOTAL	24	2	9	1	36	360	540	900	26

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Code No.	Subject	Scheme of Instruction (Periods per week)					Scheme of Examination (Maximum marks)			No. of Credits
		L	T	P	S	Total	CIE	SEE	Total Marks	
14CS/IT501	Software Engineering	4	0	0	0	4	40	60	100	3
14CS502	Automata Theory & Formal Languages	4	0	0	1	5	40	60	100	3
14CS503	Microprocessors & Microcontrollers	4	0	0	0	4	40	60	100	3
14CS/IT504	Database Management Systems	4	1	0	0	5	40	60	100	4
14CS505	Enterprise Programming-I	4	0	0	0	4	40	60	100	3
14CS506	Elective-I	4	1	0	0	5	40	60	100	4
14CSL501	MPMC Lab	0	0	3	0	3	40	60	100	2
14CS/ITL502	RDBMS Lab	0	0	3	0	3	40	60	100	2
14CSL503	EP-I Lab	0	0	3	0	3	40	60	100	2
	TOTAL	24	2	9	1	36	360	540	900	26

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Elective – I

- 14CS506(A) Artificial Intelligence
- 14CS506(B) Neural Networks
- 14CS506(C) Machine Learning
- 14CS506(D) Evolutionary Algorithms

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Code No.	Subject	Scheme of Instruction (Periods per week)					Scheme of Examination (Maximum marks)			No. of Credits
		L	T	P	S	Total	CIE	SEE	Total Marks	
14CS601	UNIX Programming	4	0	0	0	4	40	60	100	3
14CS602	Compiler Design	4	0	0	1	5	40	60	100	3
14CS603	Data Communication & Networks	4	1	0	0	5	40	60	100	4
14CS604	Enterprise Programming-II	4	0	0	0	4	40	60	100	3
14CS/IT605	Object Oriented Analysis & Design	4	0	0	0	4	40	60	100	3
14CS606	Elective – II	4	1	0	0	5	40	60	100	4
14CSL601	UNIX Programming Lab	0	0	3	0	3	40	60	100	2
14CSL602	Enterprise Programming-II Lab	0	0	3	0	3	40	60	100	2
14CS/ITL603	Object Oriented Analysis & Design Lab	0	0	3	0	3	40	60	100	2
	TOTAL	24	2	9	1	36	360	540	900	26

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Elective – II

14CS606(A) Software Project Management

14CS606(B) Software Testing

14CS606(C) Agile Software Process

14CS606(D) Software Quality Management

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Code No.	Subject	Scheme of Instruction (Periods per week)					Scheme of Examination (Maximum marks)			No. of Credits
		L	T	P	S	Total	CIE	SEE	Total Marks	
14CS701	Cryptography & Network Security	4	0	0	0	4	40	60	100	3
14CS702	E Commerce	4	0	0	0	4	40	60	100	3
14CS703	Data Engineering	4	0	0	0	4	40	60	100	4
14CS704	Cloud Programming	4	1	0	0	5	40	60	100	3
14CS705	Elective – III	4	1	0	0	5	40	60	100	4
14CS706	Open Elective	4	0	0	0	4	40	60	100	3
14CSL701	Data Engineering Lab	0	0	3	0	3	40	60	100	2
14CSL702	Cloud Programming Lab	0	0	3	0	3	40	60	100	2
14CSL703	Term Paper	0	0	2	0	2	40	60	100	1
14CSL704/ENL03	Interview Skills Lab	0	0	2	0	2	20	30	50	1
	TOTAL	24	2	10	0	36	360	540	900	26

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S: Self Study

Elective – III

- 14CS705(A) Real-time Systems
- 14CS705(B) Parallel Processing
- 14CS705(C) Advanced Computer Architecture
- 14CS705(D) Distributed Systems

Open Elective

The Students of CSE will choose one of the Open Electives offered by other Departments. For details see the list of Open Electives offered by other departments in

Page Number :

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Code No.	Subject	Scheme of Instruction (Periods per week)					Scheme of Examination (Maximum marks)			No. of Credits
		L	T	P	S	Total	CIE	SEE	Total Marks	
14CS801/ME04	Industrial Management & Entrepreneurship Development	4	0	0	0	4	40	60	100	3
14CS802	Mobile Application Development	4	1	0	0	5	40	60	100	4
14CS803	Elective – IV	4	0	0	1	5	40	60	100	3
14CS804	Elective – V	4	0	0	0	4	40	60	100	3
14CSPR801	Project Work	0	0	12	0	12	50	100	150	10
14CSL802	Mobile Application Development Lab	0	0	3	0	3	40	60	100	2
	TOTAL	16	1	15	1	33	250	400	650	25

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Elective – IV

14CS803(A) Web Mining
14CS803(B) Big Data Analysis
14CS803(C) Bioinformatics
14CS803(D) Business Intelligence

Elective – V

14CS804(A) Wireless Networks
14CS804(B) Highspeed Networks
14CS804(C) Adhoc Sensor Networks
14CS804(D) Storage Area Networks

Summary of Marks and Credits

Year	Semester	Marks			Total Credits
		CA	FE	Total Marks	
I Year	I Semester	360	540	900	26
I Year	II Semester	360	540	900	26
II Year	I Semester	360	540	900	26
II Year	II Semester	360	540	900	26
III Year	I Semester	360	540	900	26
III Year	II Semester	360	540	900	26
IV Year	I Semester	360	540	900	26
IV Year	II Semester	250	400	650	25
Grand Total				6950	207

CSE SCHEMA Pie Chart

