

SCHEME OF INSTRUCTION & EXAMINATION (Semester System)

First Year B.Tech., (SEMESTER I)

For

Information TechnologyWith Effective From ***2014-2015*** Academic Year

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	
14MA101	Engineering MathematicsI	4	1	0	0	5	40	60	100	4
14PH102	Engineering PhysicsI	4	0	0	0	4	40	60	100	3
14CY103	Engineering ChemistryI	4	0	0	0	4	40	60	100	3
14EE104	Basic Electrical & Electronics Engineering	4	0	0	0	4	40	60	100	3
14ES105	Environmental Studies	4	0	0	0	4	40	60	100	3
14EG106	Engineering Graphics	4	1	0	1	6	40	60	100	4
14CYL101	Chemistry Lab	0	0	3	0	3	40	60	100	2
14HWL102	Hardware Lab	0	0	3	0	3	40	60	100	2
14WSL103	Workshop	0	0	3	0	3	40	60	100	2
	TOTAL	24	2	9	1	36	360	540	900	26

CIE: Continuous Internal Evaluation **SEE:** Semester End Examination**L:** Lecture**T:** Tutorial**P:** Practical**S:** Self Study

SCHEME OF INSTRUCTION & EXAMINATION (Semester System)

First Year B.Tech., (SEMESTER II)

For

Information TechnologyWith Effective From ***2014-2015*** Academic Year

Code No.	Subject	Scheme of Instruction (Periods per week)					Scheme of Examination (Maximum marks)			No. Cred
		L	T	P	S	Total	CIE	SEE	Total	
14MA201	Engineering MathematicsII	4	1	0	0	5	40	60	100	4
14PH202	Engineering PhysicsII	4	0	0	0	4	40	60	100	3
14CY203	Engineering ChemistryII	4	0	0	0	4	40	60	100	3
14EL204	Communicative English	4	0	0	0	4	40	60	100	3
14EM205	Engineering Mechanics	4	1	0	0	5	40	60	100	4
14CP206	Problem Solving with Programming	4	0	0	1	5	40	60	100	3
14PHL201	Physics Lab	0	0	3	0	3	40	60	100	2
14ELL202	English Communication Skills Lab	0	0	3	0	3	40	60	100	2
14CPL203	Problem Solving with Programming Lab	0	0	3	0	3	40	60	100	2
	TOTAL	24	2	9	1	36	360	540	900	26

CIE: Continuous Internal Evaluation **SEE:** Semester End Examination**L:** Lecture**T:** Tutorial**P:** Practical**S:** Self Study

SCHEME OF INSTRUCTION & EXAMINATION (Semester System)

Second Year B.Tech., (SEMESTER III)

For

Information TechnologyWith Effective From ***2014-2015*** Academic Year

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	
14MA301	Engineering Mathematics III	4	0	0	0	4	40	60	100	3
14IT302	Discrete Mathematical Structures	4	1	0	0	5	40	60	100	4
14IT303	Digital Logic Design	4	0	0	0	4	40	60	100	3
14IT304	Operating Systems	4	0	0	0	4	40	60	100	3
14IT305	Data Structures	4	1	0	0	5	40	60	100	4
14IT306	Object Oriented Programming	4	0	0	1	5	40	60	100	3
14ELL301	Soft Skills Lab	0	0	3	0	3	40	60	100	2
14ITL302	Data Structures Lab	0	0	3	0	3	40	60	100	2
14ITL303	OOP Lab	0	0	3	0	3	40	60	100	2
	TOTAL	24	2	9	1	36	360	540	900	26

CIE: Continuous Internal Evaluation **SEE:** Semester End Examination**L:** Lecture**T:** Tutorial**P:** Practical**S:** Self Study

SCHEME OF INSTRUCTION & EXAMINATION (Semester System)

Second Year B.Tech., (SEMESTER IV)

For

Information Technology

With Effective From *2014-2015* Academic Year

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	
14MA401	Engineering Mathematics IV	4	0	0	0	4	40	60	100	3
14IT402	Automata Theory & Formal Languages	4	0	0	1	5	40	60	100	3
14IT403	Computer Organization	4	1	0	0	5	40	60	100	4
14IT404	Design & Analysis of Algorithms	4	1	0	0	5	40	60	100	4
14IT405	GUI Programming	4	0	0	0	4	40	60	100	3
14IT406	Web Technologies	4	0	0	0	4	40	60	100	3
14ITL401	DAA Lab	0	0	3	0	3	40	60	100	2
14ITL402	GUI Programming Lab	0	0	3	0	3	40	60	100	2
14ITL403	Web Technologies Lab	0	0	3	0	3	40	60	100	2
	TOTAL	24	2	9	1	36	360	540	900	26

CIE: Continuous Internal Evaluation **SEE:** Semester End Examination

L: Lecture

T: Tutorial

P: Practical

S: Self Study

SCHEME OF INSTRUCTION & EXAMINATION (Semester System)

Third Year B.Tech., (SEMESTER V)

For

Information TechnologyWith Effective From ***2014-2015*** Academic Year

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	
14IT501	Professional Ethics & Human Values	4	0	0	0	4	40	60	100	3
14IT502	Compiler Design	4	1	0	0	5	40	60	100	4
14IT503	Microprocessor & Microcontrollers	4	0	0	0	4	40	60	100	3
14IT504	Database Management Systems	4	1	0	0	5	40	60	100	4
14IT505	Computer Networks	4	0	0	0	4	40	60	100	3
14IT506	Elective - I	4	0	0	1	5	40	60	100	3
14ITL501	MPMC Lab	0	0	3	0	3	40	60	100	2
14ITL502	RDBMS Lab	0	0	3	0	3	40	60	100	2
14ITL503	Elective - I Lab	0	0	3	0	3	40	60	100	2
	TOTAL	24	2	9	1	36	360	540	900	26

CIE: Continuous Internal Evaluation**SEE:** Semester End Examination**L:** Lecture**T:** Tutorial**P:** Practical**S:** Self Study**Elective-I****14IT506/A:** Computer Graphics and Visualization**14IT506/B:** Digital Image Processing**14IT506/C:** Script Programming**14IT506/D:** UNIX Programming

SCHEME OF INSTRUCTION & EXAMINATION (Semester System)

Third Year B.Tech., (SEMESTER VI)

For

Information TechnologyWith Effective From **2014-2015** Academic Year

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	
14IT601	Introduction to Data Analytics	4	0	0	1	5	40	60	100	3
14IT602	Wireless Networks	4	0	0	0	4	40	60	100	3
14IT603	Software Engineering	4	0	0	0	4	40	60	100	3
14IT604	Enterprise Programming-I	4	1	0	0	5	40	60	100	4
14IT605	Introduction to Cyber Security	4	1	0	0	5	40	60	100	4
14IT606	Elective - II	4	0	0	0	4	40	60	100	3
14ITL601	Introduction to Data Analytics Lab	0	0	3	0	3	40	60	100	2
14ITL602	Enterprise Programming-I Lab	0	0	3	0	3	40	60	100	2
14ITL603	Introduction to Cyber Security Lab	0	0	3	0	3	40	60	100	2
	TOTAL	24	2	9	1	36	360	540	900	26

CIE: Continuous Internal Evaluation **SEE:** Semester End Examination**L:** Lecture**T:** Tutorial**P:** Practical**S:** Self Study**Elective-II****14IT606/A:** Advanced Database Management Systems**14IT606/B:** Bio-Informatics**14IT606/C:** Computer Animation**14IT606/D:** Parallel Processing

SCHEME OF INSTRUCTION & EXAMINATION (Semester System)

Final Year B.Tech., (SEMESTER VII)

For

Information TechnologyWith Effective From **2014-2015** Academic Year

Code No.	Subject	Scheme of Instruction (Periods per week)					Scheme of Examination (Maximum marks)			N Cr
		L	T	P	S	Total	CIE	SEE	Total	
14IT701	Advanced Cyber Security	4	0	0	0	4	40	60	100	
14IT702	Object Oriented Analysis & Design	4	0	0	0	4	40	60	100	
14IT703	Advanced Data Analytics	4	1	0	0	5	40	60	100	
14IT704	Enterprise Programming-II	4	1	0	0	5	40	60	100	
14IT705	Elective-III	4	0	0	0	4	40	60	100	
14OE706	Open Elective*	4	0	0	0	4	40	60	100	
14ELL701	Business Communication & Presentation Skills lab	0	0	2	0	2	20	30	50	
14ITL702	Adv. Data Analytics & Cyber Security Lab	0	0	3	0	3	40	60	100	
14ITL703	Enterprise Programming-II Lab	0	0	3	0	3	40	60	100	
14ITL704	Term Paper	0	0	2	0	2	20	30	50	
	TOTAL	24	2	10	0	36	360	540	900	

CIE: Continuous Internal Evaluation **SEE:** Semester End Examination**L:** Lecture**T:** Tutorial**P:** Practical**S:** Self Study**Elective -III:****14IT705/A:** Artificial Intelligence**14IT705/B:** Distributed Systems**Elective courses****14IT705/C:** Mobile Application Development**14IT705/D:** Software Testing Methodologies*** Refer appendix for the list of Open**