

B.E. in Information Technology:

Semester:1

Code	Subject	Theory(Hrs)	Tutorial(Hrs)	Practical(Hrs)	Credits
3110014	Mathematics-I	3	2	0	5
3110011	Physics Group - I	3	0	2	4
3110005	Basic Electrical Engineering	3	0	2	4
3110013	Engineering Graphics & Design	2	0	4	4
3110006	Basic Mechanical Engineering	3	0	2	4

Semester:2

Code	Subject	Theory(Hrs)	Tutorial(Hrs)	Practical(Hrs)	Credits
3110002	English	2	0	2	3
3110003	Programming for Problem Solving	3	0	2	4
3110007	Environmental Science	2	2	0	0
3110012	Workshop	0	0	4	2
3110015	Mathematics-II	3	2	0	5
3110016	Basic Electronics	3	0	2	5

**Semester:3**

Code	Subject	Theory(Hrs)	Tutorial(Hrs)	Practical(Hrs)	Credits
3130004	Effective Technical Communication	2	0	2	3
3130006	Probability and Statistics	3	2	0	5
3130007	Indian Constitution	2	0	0	0
3130008	Design Engineering - I A	0	0	2	1
3130702	Data Structures	3	0	4	5
3130703	Database Management Systems	4	0	2	5
3130704	Digital Fundamentals	3	0	2	4

**Semester:4**

Code	Subject	Theory(Hrs)	Tutorial(Hrs)	Practical(Hrs)	Credits
3140705	Object Oriented Programming -I	4	0	2	6
3140707	Computer Organization & Architecture	3	0	2	5
3140708	Discrete Mathematics	3	2	0	5
3140709	Principles of Economics and Management	3	0	0	3
3140005	Design Engineering 1 B	0	0	2	1
3141601	Operating System and Virtualization	4	0	2	6

**Semester:5**

Code	Subject	Theory(Hrs)	Tutorial(Hrs)	Practical(Hrs)	Credits
3150001	Design Engineering - II A	0	0	2	1
3150004	Contributor Personality Development Program	2	0	0	2
3150005	Integrated Personality Development Course	2	0	0	2
3150703	Analysis & Design of Algorithms	4	0	2	5
3150709	Professional ethics	3	0	0	3
3150710	Computer Networks	4	0	2	5
3150714	Cyber Security	2	0	2	3
3151604	Object Oriented Analysis and Design	3	0	2	4
3151605	Formal Language and Automata Theory	3	0	2	4
3151606	Web Development	3	0	2	4
3151607	Computer Graphics and Visualization	3	0	2	4
3151607	Data Science	2	0	2	3

**Semester:6**

<b>Code</b>	<b>Subject</b>	<b>Theory(Hrs)</b>	<b>Tutorial(Hrs)</b>	<b>Practical(Hrs)</b>	<b>Credits</b>
3160001	Design Engineering II B	0	0	2	1
3160002	Contributor Personality Development Program	2	0	0	2
3160003	Integrated Personality Development Course	2	0	0	2
3161604	Image Processing	3	0	2	4
3161605	Software Engineering	4	0	2	5
3161606	Cryptography and Network security	3	0	2	4
3161607	Big Data Analytics	3	0	2	4
3161608	Artificial Intelligence	3	0	2	4
3161609	Enterprise Application Development	3	0	2	4
3161610	Data Warehousing and Mining	3	0	2	4
3161611	Advanced Web Programming	3	0	2	4
3161612	Mobile Application Development	2	0	2	3
3161613	Data Analysis and Visualization	2	0	2	3

**Semester:7**

<b>Code</b>	<b>Subject</b>	<b>Theory(Hrs)</b>	<b>Tutorial(Hrs)</b>	<b>Practical(Hrs)</b>	<b>Credits</b>
2170002	Project	0	0	5	5
2170709	Information and Network Security	4	0	2	6
2170710	Mobile Computing and Wireless Communication	4	0	2	6
2170715	Data Mining and Business Intelligence	4	0	2	6
2171607	Big Data Analytics	3	0	2	5
2170713	Service Oriented Computing	3	0	2	5
2170714	Distributed DBMS	3	0	2	5

**Semester:8**

<b>Code</b>	<b>Subject</b>	<b>Theory(Hrs)</b>	<b>Tutorial(Hrs)</b>	<b>Practical(Hrs)</b>	<b>Credits</b>
2180703	Artificial Intelligence	4	0	2	6
2180606	Project (Phase-II)	0	0	16	16
2180709	IOT and Applications	3	0	2	5
2180711	Python Programming	3	0	2	5
2181607	Multimedia and Animation	3	0	2	5
2180713	Web Data Management	3	0	2	5
2180712	Cloud Infrastructure and Services	3	0	2	5
2180714	Android Programming	3	0	2	5