

## Department of Information Technology

### COMMON FIRST YEAR PROGRAM STRUCTURE FOR ALL B.TECH BRANCHES

#### FIRST SEMESTER

SI No.	Course Code	Course Title	Contact Hours						Evaluation Scheme		Subject Total	Credits
									Seasonal Exam	ESE		

#### THEORY COURSES

			L	T	P	CT	TA	Total	ESE		
1	BSCT10	Mathematics –I	3	1	0	30	20	50	100	150	4
2	BSCT102/ BSCT103	*Physics/Chemistry	3	1	0	30	20	50	100	150	4
3	BHST101	English	2	0	0	30	20	50	50	100	2
4	BCST101 / BEET101	Programming for Problem Solving / Basic Electrical Engineering	3	1	0	30	20	50	100	150	4
5	Induction Program		3 Weeks Duration								

#### PRACTICAL / TRAINING / PROJECT

1	BSCP102/ BSCP103	Physics/ Chemistry Lab	0	0	3	-	25	25	25	50	1.5
2	BHSP101	Language Lab	0	0	2	-	25	25	25	50	1
3	BCSP101 / BEEP101	Programming for Problem Solving Lab / Basic Electrical Engineering			3	-	25	25	25	50	2
		Total	11	2	8					700	17.5

#### SECOND SEMESTER

1	BSCT201	Mathematics –II	3	1	0	30	20	50	100	150	4
2	BSCT202/ BSCT20	*Physics/ Chemistry	3	1	0	30	20	50	100	150	4
3	BCST201 / BEET201	Programming for Problem Solving / Basic Electrical Engineering	3	1	0	30	20	50	100	150	4
4	BEST201	Environmental Sciences	2	0	0	-	-	-	50	50	-

#### PRACTICAL / TRAINING / PROJECT

1	BSCP202/ BSCP203	Physics/ Chemistry Lab	0	0	3	-	25	25	25	50	1.5
2	BMEP201	Workshop/ Manufacturing Practices	1	0	3	-	50	50	50	100	3
3	BMEP202	Engineering Graphics & Design	1	0	3	-	50	50	50	100	3
4	BCSP201 / BEEP201	Programming for Problem Solving Lab / Basic Electrical Engineering	0	0	2	-	25	25	25	50	1.5
		Total	11	3	11	-	-	-	-	950	21

# BACHELOR OF TECHNOLOGY (INFORMATION TECHNOLOGY)

## THIRD SEMESTER

SI No.	Course Code	Course Title	Contact Hours					Evaluation Scheme		Subject Total	Credits
								Seasonal Exam	ESE		

### THEORY COURSES

			L	T	P	CT	TA	Total	ESE		
1	TIT-301	Discrete Structure	3	1	0	30	20	50	100	150	4
2	TIT-302	Computer Based Numerical & Statistical Techniques	2	0	0	15	10	25	50	75	4
3	TIT-303	Data Structure	3	1	0	30	20	50	100	150	2
4	TEC-301	Digital Electronics & Design aspects	3	1	0	30	20	50	100	150	4
5	TIT-304	Object Oriented Programming	3	1	0	30	20	50	100	150	4
6	THU-301	Engineering Economics & Costing	2	0	0	15	10	25	50	75	2

### PRACTICAL / TRAINING / PROJECT

1	PIT-302	Computer Based Numerical & Statistical Techniques Lab	0	0	2	-	25	25	25	50	2
2	PIT-303	Data Structure Lab	0	0	2	-	25	25	25	50	2
3	PEC-350	Digital Electronics Lab	0	0	2	-	25	25	25	50	2
4	PIT-304	Object Oriented Programming Lab using Java/C++	0	0	2	-	25	25	25	50	2
5	PD III /GP III	Personality Development/ General Proficiency	0	0	2	-	-	-	-	50	-
<b>Total</b>			<b>16</b>	<b>4</b>	<b>10</b>					<b>1000</b>	<b>28</b>

## FOURTH SEMESTER

### THEORY COURSES

1	TIT -401	Computer Organization	3	1	0	30	20	50	100	150	4
2	TIT -402	Unix & Shell Programming	3	1	0	30	20	50	100	150	4
3	TIT -403	ERP	3	1	0	30	20	50	100	150	4
4	TIT -404	Database Management System	3	1	0	30	20	50	100	150	4
5	TIT -405	E- governance	2	0	0	15	10	25	50	75	2
6	TIT -406	Software Engineering	2	0	0	15	10	25	50	75	2

### PRACTICAL / TRAINING / PROJECT

1	PIT-401	CO Lab	0	0	2	-	25	25	25	50	2
2	PIT-402	Unix & Shell Programming Lab	0	0	2	-	25	25	25	50	2
3	PIT-404	Database Management System Lab	0	0	2	-	25	25	25	50	2
4	PIT-407	Seminar I	0	0	2	-	25	25	25	50	2
5	PD IV /GP IV	Personality Development/ General Proficiency	0	0	2	-	-	-	-	50	-
<b>Total</b>			<b>11</b>	<b>3</b>	<b>11</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1000</b>	<b>28</b>

# BACHELOR OF TECHNOLOGY ()

## FIFTH SEMESTER

SI No.	Course Code	Course Title	Contact Hours						Evaluation Scheme		Subject Total	Credits
									Seasonal Exam	ESE		

### THEORY COURSES

			L	T	P	CT	TA	Total	ESE		
1	TIT – 501	Operating System	3	1	0	30	20	50	100	150	4
2	TIT – 502	Artificial Intelligence	3	1	0	30	20	50	100	150	4
3	TIT – 503	Design & Analysis of Algorithms	3	1	0	30	20	50	50	150	4
4	TIT – 504	Visual Programming & DotNet Technologies	3	1	0	30	20	50	100	150	4
5.	TIT – 505	Software Project Management	2	0	0	15	10	25	50	75	2
6.	TIT – 506	E-Commerce	2	0	0	15	10	25	50	75	2

### PRACTICAL / TRAINING / PROJECT

1	PIT -551	Operating System Lab.	0	0	2	-	25	25	25	50	2
2	PIT-552	Artificial Intelligence Lab.	0	0	2	-	25	25	25	50	2
3	PIT-553	Algorithms Lab.	0	0	2	-	25	25	25	50	2
4	PIT-554	Visual Programming Lab	0	0	2	-	25	25	25	50	2
5		Discipline	-	-	2	-	-	-	-	50	-
		Total	16	6	10					1000	28

## SIXTH SEMESTER

### THEORY COURSES

1	TIT – 601	Computer Graphics	3	1	0	30	20	50	100	150	4
2	TIT – 602	Computer Network	3	1	0	30	20	50	100	150	4
3	TIT – 603	Web Technology	3	1	0	30	20	50	100	150	4
4	TIT – 604	Service Oriented Computing	2	0	0	15	10	25	50	75	2
5	TIT – 605	Advance Java Programming	3	1	0	30	20	50	100	150	4
6	TIT – 608	Principles of Management	2	0	0	15	10	25	50	75	2

### PRACTICAL / TRAINING / PROJECT

1	PIT-651	Computer Graphics Lab	0	0	2	-	25	25	25	50	2
2	PIT-652	Computer Network Lab.	0	0	2	-	25	25	25	50	2
3	PIT-653	Web Technology Lab.	0	0	2	-	25	25	25	50	2
4	PIT-655	Advance Java Programming Lab.	0	0	2	-	25	25	25	50	2
5		Discipline	-	-	2	-	-	-	-	50	-
		Total	16	6	10	-	-	-	-	1000	28

## Department of Information Technology

### BACHELOR OF TECHNOLOGY (INFORMATION TECHNOLOGY)

#### SEVENTH SEMESTER

SI No.	Course Code	Course Title	Contact Hours						Evaluation Scheme		Subject Total	Credits
									Seasonal Exam	ESE		

#### THEORY COURSES

			L	T	P	CT	TA	Total	ESE		
1	TIT- 701	System Administration	3	1	0	30	20	50	100	150	4
2	TIT- 702	Data Warehousing & Mining	3	1	0	30	20	50	100	150	4
3	TIT- 703	Information Security	3	1	0	30	20	50	100	150	4
4	TIT- 07X	ELECTIVE-I	3	1	0	30	20	50	100	150	4
5	TOE –XX	Open Elective	3	1	0	30	20	50	100	150	4

#### PRACTICAL / TRAINING / PROJECT

1	PIT -757	Project	0	0	4	-	0	50	50	100	4
2	PIT-758	Industrial Interaction/ Seminar (Term Paper)	0	0	2	-	0	50	-	50	2
3	PIT-751	System Administration Lab.	0	0	2	-	25	25	25	50	2
4		Discipline	-	-	2	-	-	-	-	50	-
		Total	15	5	10					1000	28

#### EIGHT SEMESTER

#### THEORY COURSES

1	TIT -801	Software Architecture	3	1	0	30	20	50	100	150	4
2	TIT -802	Cryptography & Network Security	3	1	0	30	20	50	100	150	4
3	TIT-08X	ELECTIVE-II	3	1	0	30	20	50	100	150	4
4	TIT-08X	ELECTIVE-III	3	1	0	30	20	50	100	150	4

#### PRACTICAL / TRAINING / PROJECT

1	PIT-857	Project	0	0	6	-	0	100	200	300	6
2	PIT-852	Cryptography Lab	0	0	2	-	25	25	25	50	2
3		Discipline	-	-	2	-	-	-	-	50	-
		Total	12	4	10	-	-	-	-	1000	24

## **ELECTIVE-I**

<b>TIT-071</b>	Software Configuration Management
<b>TIT-072</b>	Advance Information System Engineering
<b>TIT-073</b>	Wireless Networks
<b>TIT-074</b>	Soft Computing
<b>TIT-075</b>	Multi Media Communication & Design

## **ELECTIVE-II**

<b>TIT-081</b>	IT Infrastructure Management
<b>TIT-082</b>	Client Server Based IT Solutions
<b>TIT-083</b>	Database Administration
<b>TIT-084</b>	Advance Computer Network

## **ELECTIVE-III**

<b>TIT-086</b>	Software Quality Engineering
<b>TIT-087</b>	Distributed Computing
<b>TIT-088</b>	Intrusion Detection
<b>TIT-089</b>	Advanced DBMS