

Academic 2019-20 DBATU Scheme
For
B.Tech.Information Technology
Programme

Sr. No.	Code	Course title	Weekly Teaching hours			Evaluation Scheme			Credit	Total Hours
			L	T	P	MSE	CA	ESE		
Semester III										
1	BTBSC301	Engineering Mathematics III	3	1	-	20	20	60	4	4
2	BTESC302	Switching Theory and Logic Design	2	1	-	20	20	60	3	3
3	BTITC303	Object Oriented Paradigm with C++	2	1	-	20	20	60	3	3
4	BTIOC304	Computer Architecture and Organization	2	1	-	20	20	60	3	3
5	BTBSCOE305A BTHSMCOE305B BTITOE305C BTITOE305D	Elective I A) Advanced Engineering Chemistry B) Interpersonal Communication Skills and Self Development for Engineers C) Programming in Java D) Introduction to Web Technology	1	1	-	20	20	60	2	2
6	BTHM306	Basic Human Rights	2	-	-	-	50	-	Audit	2
7	BTESCL307	Switching Theory and Logic Design Lab	-	-	2	-	60	40	1	2
8	BTITL308	Object Oriented Paradigm with C++ Lab	-	-	4	-	60	40	2	4
9	BTITL309	Programming Lab (Python)	-	-	4	-	60	40	2	4
10	BTITOEL310	Elective I Lab A) Advanced Engineering Chemistry Lab B) Interpersonal Communication Skills and Self Development for Engineers Lab C) Programming in Java Lab D) Introduction to Web Technology Lab	-	-	2	-	60	40	1	2
11	BTITF311	Field Training / Internship/Industrial Training Evaluation	-	-	-	-	-	100	1	-
Total			12	5	12	100	390	560	22	29
Semester IV										
1	BTITC401	Microprocessors and Microcontrollers	2	1	-	20	20	60	3	3
2	BTITC402	Data Structures and Applications	3	1	-	20	20	60	4	4
3	BTITC403	Discrete Structures and Applications	2	1	-	20	20	60	3	3
4	BTITC404	Internetworking Protocols	2	1	-	20	20	60	3	3
5	BTBSCOE405A BTHMOE405B BTXXOE405C	Elective II A) Physics of Engineering Materials B) Organizational Behavior C) Development Engineering	2	1	-	20	20	60	3	3
6	BTXX406	Product Design Engineering	2	-	-	20	20	60	2	2
7	BTITL407	Microprocessors and Micro-controllers Lab	-	-	2	-	60	40	1	2
8	BTITL408	Data Structures and Applications Lab	-	-	4	-	60	40	2	4
9	BTITL409	Internetworking Protocols Lab	-	-	2	-	60	40	1	2
10	BTITF410	Field Training / Internship/Industrial Training (minimum 4 weeks which can be completed partially in third semester and fourth semester or at one time.)						100	To be evaluated in V Semester	-
Total			13	5	8	120	300	580	22	26

Teaching and Evaluation DBATU Scheme Third Year B. Tech. (Information Technology)

Sr. No	Code	Course title	Weekly Teaching hours			Evaluation Scheme			Credit	Total Hours
			L	T	P	MSE	CA	ESE		
Semester V										
1	BTITC501	Database Management Systems	3	-	-	20	20	60	3	3
2	BTITC502	Design and Analysis of Algorithms	3	-	-	20	20	60	3	3
3	BTITC503	Software Engineering	3	-	-	20	20	60	3	3
4	BTITOE504	Open/Departmental Elective - Group 1	3	-	-	20	20	60	3	3
5	BTITSE505	Stream Elective - Group 1	3	-	-	20	20	60	3	3
6	BTITS506	Seminar	-	2	-	-	-	50	2	2
7	BTITL507	Programming Lab – Minor (R Programming)	-	-	2	-	25	25	1	2
8	BTHM508	Constitutions of India/ Essence of Indian Traditional Knowledge	-	-	-	-	-	-	-	Audit
9	BTITL509	Database Management Systems Lab	-	-	2	-	25	25	1	2
10	BTITL510	Design and Analysis of Algorithms Lab	-	-	2	-	25	25	1	2
Summary of Semester Assessment Marks, Credit & Hours			15	2	6	100	175	425	20	23
Semester VI										
1	BTITC601	Operating Systems	3	-	-	20	20	60	3	3
2	BTITC602	Compiler Construction	3	-	-	20	20	60	3	3
3	BTITC603	Object Oriented Software and Web Engineering	3	-	-	20	20	60	3	3
4	BTITOE604	Open/Departmental Elective Group 2	3	-	-	20	20	60	3	3
5	BTITSE605	Stream Elective - Group 2	3	-	-	20	20	60	3	3
6	BTITL606	Programming Lab – Major (Web Technologies)	-	-	4	-	25	25	2	4
7	BTITL607	Operating Systems Lab	-	-	2	-	25	25	1	2
8	BTITL608	Object Oriented Software and Web Engineering Lab	-	-	2	-	25	25	1	2
9	BTITSEL609	Departmental Elective - Group 2 Lab	-	-	2	-	25	25	1	2
Summary of Semester Assessment Marks, Credit & Hours			15	-	10	100	200	400	20	25

**FOUR YEAR
BACHELOR OF
ENGINEERING (B. E.)
DEGREE COURSE
SEMESTER: SEVENTH
BRANCH: INFORMATION
TECHNOLOGY**

Software Testing

Sr. No.	Subject Code	Subjects	Workload				Credit				Theory	
			L	P	T	Total Hrs/Week	L	P	T	Total	Sess.	U
1	BEIT701T	Data Warehousing and Mining	4	-	1	5	4	-	1	5	20	
2	BEIT701P	Data Warehousing and Mining	-	2	-	2	-	1	-	1	-	
3	BEIT702T	Computer System Security	4	-	1	5	4	-	1	5	20	
4	BEIT702P	Computer System Security	-	2	-	2	-	1	-	1	-	
5	BEIT703T	Artificial Intelligence	4	-	1	5	4	-	1	5	20	
6	BEIT704T	Elective -I	4	-	1	5	4	-	1	5	20	
7	BEIT705T	Elective -II	4	-	1	5	4	-	1	5	20	
8	BEIT706P	Seminar on Project	-	2	-	2	-	2	-	2	-	
		Total	20	6	5	31	20	4	5	29	100	

Elective I:

BEIT704T:

Elective II:

BEIT705T:

BEIT704T2: Multimedia Systems
 BEIT704T3: Bio-informatics
 BEIT704T4: Compiler Design

BEIT705T2: Cluster and Grid Computing
 BEIT705T3: Digital Signal Processing
 BEIT705T4: Digital Forensic for Info. Tech.

FOUR YEAR BACHELOR OF ENGINEERING (B. E.) DEGREE
COURSE SEMESTER: EIGHTH
BRANCH: INFORMATION TECHNOLOGY

Sr. No.	Subject Code	Subjects	Workload				Credit				Marks				
			L	P	T	Total Hrs/Week	L	P	T	Total	Theory		Practical		Total Marks
											Sess.	Univ.	Sess.	Univ.	
1	BEIT801T	Distributed Systems	4	-	1	5	4	-	1	5	20	80	-	-	100
2	BEIT801P	Distributed Systems	-	2	-	2	-	1	-	1	-	-	25	25	50
3	BEIT802T	Gaming Architecture and Programming	4	-	1	5	4	-	1	5	20	80	-	-	100
4	BEIT802P	Gaming Architecture and Programming	-	2	-	2	-	1	-	1	-	-	25	25	50
5	BEIT803T	Elective-III	4	-	1	5	4	-	1	5	20	80	-	-	100
6	BEIT804T	Elective-IV	4	-	1	5	4	-	1	5	20	80	-	-	100
7	BEIT805P	Project	-	4	-	4	-	4	-	4	-	-	75	75	150
Total			16	8	4	28	16	6	4	26	80	320	125	125	650

Elective III:

BEIT803T1: Embedded Systems
 BEIT803T2: Digital Image Processing

Elective IV:

BEIT804T1: Cyber Security
 BEIT804T2: Cloud Computing

BEIT803T3: Pattern Recognition
BEIT803T4: Machine Learning

BEIT804T3: E-Commerce and Enterprise Resource Planning
BEIT804T4: Wireless Sensor Networks

