

Academic 2018-19 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	BTCOC304	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

B.Tech. Information Technology Programme

Curriculum for Semester-V [ThirdYear] RTMNU Scheme

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	BEIT501T	System Programming	3	-	1	4	3	-	1	4	20	80	-	-	100
2	BEIT502T	Design and Analysis of Algorithms	4	-	1	5	4	-	1	5	20	80	-	-	100
3	BEIT503T	Software Engineering	3	-	1	4	3	-	1	4	20	80	-	-	100
4	BEIT503P	Software Engineering	-	2	-	2	-	1	-	1	-	-	25	25	50
5	BEIT504T	Computer Graphics	4	-	1	5	4	-	1	5	20	80	-	-	100
6	BEIT504P	Computer Graphics	-	2	-	2	-	1	-	1	-	-	25	25	50
7	BEIT505T	Java Programming	3	-	1	4	3	-	1	4	20	80	-	-	100
8	BEIT505P	Java Programming	-	2	-	2	-	1	-	1	-	-	25	25	50
9	BEIT506T	Industrial Economics and Entrepreneurship Development	4	-	-	4	4	-	-	4	20	80	-	-	100
		Total	21	6	5	32	21	3	5	29	120	480	75	75	750

FOUR YEAR BACHELOR OF ENGINEERING (B. E.) DEGREE COURSE
SEMESTER: SIXTH
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	BEIT601T	Computer Networks	4	-	1	5	4	-	1	5	20	80	-	-	100
2	BEIT602T	Operating Systems	4	-	1	5	4	-	1	5	20	80	-	-	100
3	BEIT603T	Database Management Systems	4	-	1	5	4	-	1	5	20	80	-	-	100
4	BEIT603P	Database Management Systems	-	2	-	2	-	1	-	1	-	-	25	25	50
5	BEIT604T	Internet Programming	4	-	1	5	4	-	1	5	20	80	-	-	100
6	BEIT604P	Internet Programming	-	2	-	2	-	1	-	1	-	-	25	25	50
7	BEIT605T	Functional English	2	-	1	3	2	-	1	3	10	40	-	-	50
8	BEIT606P	Mini Project and Industrial Visit	-	2	-	2	-	2	-	2	-	-	25	25	50
		Total	18	6	5	29	18	4	5	27	90	360	75	75	600

FOUR YEAR BACHELOR OF ENGINEERING (B. E.) DEGREE
COURSESEMESTER: SEVENTH
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	BEIT701T	Data Warehousing and Mining	4	-	1	5	4	-	1	5	20	80	-	-	100
2	BEIT701P	Data Warehousing and Mining	-	2	-	2	-	1	-	1	-	-	25	25	50
3	BEIT702T	Computer System Security	4	-	1	5	4	-	1	5	20	80	-	-	100
4	BEIT702P	Computer System Security	-	2	-	2	-	1	-	1	-	-	25	25	50
5	BEIT703T	Artificial Intelligence	4	-	1	5	4	-	1	5	20	80	-	-	100
6	BEIT704T	Elective -I	4	-	1	5	4	-	1	5	20	80	-	-	100
7	BEIT705T	Elective -II	4	-	1	5	4	-	1	5	20	80	-	-	100
8	BEIT706P	Seminar on Project	-	2	-	2	-	2	-	2	-	-	50	-	50
		Total	20	6	5	31	20	4	5	29	100	400	100	50	650

Elective I:

BEIT704T1: Mobile Computing
 BEIT704T2: Multimedia Systems
 BEIT704T3: Bio-informatics
 BEIT704T4: Compiler Design

Elective II:

BEIT705T1: Software Testing and Quality Assurance
 BEIT705T2: Cluster and Grid Computing
 BEIT705T3: Digital Signal Processing
 BEIT705T4: Digital Forensic for Info. Tech.

FOUR YEAR BACHELOR OF ENGINEERING (B. E.) DEGREE
COURSESEMESTER: 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

