


**SCHEME OF INSTRUCTION & EXAMINATION
B.E. (Information Technology) III – SEMESTER**

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	MC111PO	Indian Constitution	2	-	-	2	30	70	3	-
2	HS20IEG	Effective Technical Communication in English	3	-	-	3	30	70	3	3
3	HS202CM	Finance and Accounting	3	-	-	3	30	70	3	3
4	BS207MT	Mathematics- III (Probability & Statistics)	3	-	-	3	30	70	3	3
5	ES214EC	Basic Electronics	3	-	-	3	30	70	3	3
6	ES216EC	Digital Electronics	3	-	-	3	30	70	3	3
6	PC221IT	Data Structures	3	-	-	3	30	70	3	3
7	PC222IT	Mathematical Foundations of Information Technology	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
8	ES251EC	Basic Electronics Lab	-	-	2	2	25	50	3	1
9	PC252IT	Data Structures Lab	-	-	2	2	25	50	3	1
10	PC253IT	IT Workshop Lab	-	-	2	2	25	50	3	1
			23	-	06	29	285	640		24

HS: Humanities and Social Sciences BS: Basic Science ES: Engineering Science
 MC: Mandatory Course PC: Professional Core
 L: Lecture T: Tutorial P: Practical D: Drawing
 CIE: Continuous Internal Evaluation SEE: Semester End Evaluation (Univ. Exam)
 PO: Political Science, EG: English, CM: Commerce, MT: Mathematics,
 EC: Electronics and Communication Engineering, IT: Information Technology

Note:

1. Each contact hour is a clock hour
2. The duration of the practical class is two hours, however it can be extended wherever necessary, to enable the student to complete the experiment.
3. All the mentioned **Mandatory Courses** should be offered either in I-Semester or II-Semester only **from the academic year 2019-2020**.
4. For those of the students admitted during the academic year 2018-2019, since the Mandatory Courses were not offered during the I-Semester or II-Semester, they should be offered either in III-Semester or IV-Semester of the academic year 2019-2020.


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**SCHEME OF INSTRUCTION & EXAMINATION
B.E. (Information Technology) IV – SEMESTER**

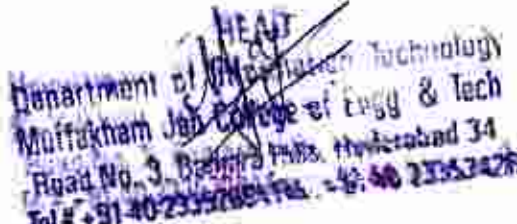
S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	MC112CE	Environmental Sciences	2	-	-	2	30	70	3	-
2	MC113PY	Essence of Indian Traditional Knowledge	2	-	-	2	30	70	3	-
3	HS204ME	Operations Research	3	-	-	3	30	70	3	3
4	BS206BZ	Biology for Engineers	3	-	-	3	30	70	3	3
5	ES215EC	Signals and Systems	3	-	-	3	30	70	3	3
6	PC231IT	JAVA Programming	3	-	-	3	30	70	3	3
7	PC232IT	Database Systems	3	-	-	3	30	70	3	3
8	PC233IT	Computer Organization and Microprocessor	3	-	-	3	30	70	3	3
9	PC234IT	Data Communications	3	-	-	3	30	70	3	3
Practical/Laboratory Courses										
10	PC261IT	Microprocessor Lab	-	-	2	2	25	50	3	1
11	PC262IT	JAVA Programming Lab	-	-	2	2	25	50	3	1
12	PC263IT	Database Systems Lab	-	-	2	2	25	50	3	1
			25	-	06	31	345	780		24

HS: Humanities and Social Sciences BS: Basic Science ES: Engineering Science
 MC: Mandatory Course PC: Professional Core
 L: Lecture T: Tutorial P: Practical D: Drawing
 CIE: Continuous Internal Evaluation SEE: Semester End Evaluation (Univ. Exam)
 PY: Philosophy, BZ: Biology/ Life Sciences, CE: Civil Engineering, IT: Information Technology
 EC: Electronics and Communication Engineering, ME: Mechanical Engineering.

Note:

1. Each contact hour is a clock hour
2. The duration of the practical class is two hours, however it can be extended wherever necessary, to enable the student to complete the experiment.
3. All the mentioned **Mandatory Courses** should be offered either in I-Semester or II-Semester only from the academic year 2019-2020.
4. For those of the students admitted during the academic year 2018-2019, since the Mandatory Courses were not offered during the I-Semester or II-Semester, they should be offered either in III-Semester or IV-Semester of the academic year 2019-2020.
5. The students have to undergo a Summer Internship of two-week duration after IV-Semester and credits will be awarded in V-Semester after evaluation.


 29/02/2021
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SCHEME OF INSTRUCTION & EXAMINATION
B.E. V - Semester
(INFORMATION TECHNOLOGY)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	D/P	Contact Hrs/Wk	CIE	SEE	Duration in Hrs.	
Theory Course										
1.	PC 501 IT	Software Engineering	3	1	-	4	30	70	3	3
2.	PC 502 IT	Database Systems	3	1	-	4	30	70	3	3
3.	PC 503 IT	Operating Systems	3	1	-	4	30	70	3	3
4.	PC 504 IT	Automata Theory	3	1	-	4	30	70	3	3
5.	PC 505 IT	Computer Networks	3	1	-	4	30	70	3	3
6.	PE-I	Professional Elective - I	3	-	-	3	30	70	3	3
7.	MC 901 EG	Gender Sensitization	3	-	-	3	30	70	3	3
Practical/Laboratory Course										
8.	PC531 IT	Computer Networks and Operating Systems Lab	-	-	2	2	25	50	3	1
9.	PC532 IT	Database Systems Lab	-	-	2	2	25	50	3	1
10.	PW533 IT	Mini Project – III	-	-	2	2	25	50	3	1
Total			21	05	06	32	285	640	-	21

Profession Elective - I	
Course Code	Course Title
PE 511 IT	Artificial Intelligence
PE 512 IT	Computer Graphics
PE 513 IT	Multimedia Technologies

PC: Professional Course PE: Professional Elective MC: Mandatory Course
 PW: Project Work
 L: Lecture T: Tutorial P: Practical D: Drawing
 CIE: Continuous Internal Evaluation, SEE: Semester End Examination (Univ. Exam)

Note:

- Each contact hour is a Clock Hour
- The duration of the practical class is two clock hours, however, if necessary, to enable the student to complete the experiment.


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SCHEME OF INSTRUCTION & EXAMINATION
B.E. VI - Semester
(INFORMATION TECHNOLOGY)

S. No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	D/P	Contact Hrs/Wk	CIE	SEE	Duration in Hrs/Wk	
Theory Course										
1.	PC 601 IT	Web Application Development	3	1	-	4	30	70	3	3
2.	PC 602 IT	Compiler Construction	3	1	-	4	30	70	3	3
3.	PC 603 IT	Embedded System	3	1	-	4	30	70	3	3
4.	PC 604 IT	Design and Analysis of Algorithms	3	1	-	4	30	70	3	3
5.	PE -II	Professional Elective -II	3	-	-	3	30	70	3	3
6.	OE - I	Open Elective -I	3	-	-	3	30	70	3	3
Practical/Laboratory Course										
7.	PC631 IT	Embedded System Lab	-	-	2	2	25	50	3	1
8.	PC632 IT	Web Application Development Lab	-	-	2	2	25	50	3	1
9.	PW633 IT	Mini Project – IV	-	-	2	2	25	50	3	1
10.	MC	Mandatory Course	-	-	3	3	50	-	-	0
11.	SI 671 IT	Summer Internship*	-	-	-	-	-	-	-	-
Total			18	4	9	29	305	570	-	21

PC: Professional Course

PE: Professional Elective

MC: Mandatory Course

OE: Open Elective

PW: Project Work

SI: Summer Internship

L: Lecture

T: Tutorial

P: Practical

D: Drawing

CIE: Continuous Internal Evaluation


SEE: Semester End Examination (Univ. Exam)


Note-1:

- Each contact hour is a Clock Hour
- The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment.

Note-2:

- * The students have to undergo a Summer Internship of four weeks duration after VI semester and credits will be awarded in VII semester after evaluation.
- ** Subject is not offered to the students of CSE and IT Department.


 23/03/2022
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With Effect from the Academic Year 2017 - 2018

**SCHEME OF INSTRUCTION
BE (INFORMATION TECHNOLOGY)**

Proposed scheme with effect from the academic year 2017-2018

IV/IV-SEMESTER-I

S.No.	Syllabus Ref.No.	Subject	Scheme of Instruction Periods Per Week		Scheme of Examination Duration in Hrs	Maximum Marks	
			L	D/P		Univ. Exam	Sessinals
THEORY							
1	BIT 401	VLSI Design	4	-	3	75	25
2	BIT 402	Middleware Technologies	4	-	3	75	25
3	BIT 403	Information Security	4	-	3	75	25
4		Elective-II	4	-	3	75	25
5		Elective-III	4	-	3	75	25
PRACTICALS							
1	BIT 431	VLSI Design Lab	-	3	3	50	25
2	BIT 432	Middleware Technologies	-	3	3	50	25
3	BIT 433	Project Seminar	-	3	-	-	25
Total			20	9	-	475	200

ELECTIVE - II

- BIT 404 Wireless and Mobile Communications
- BIT 405 Ad - Hoc and Sensor Networks
- BIT 406 Distributed Systems
- LA 473 Intellectual Property Rights

ELECTIVE - III

- BIT 408 Digital Image Processing
- BIT 409 Grid Computing
- BIT 410 CPLD & FPGA Architectures
- BIT 411 Software Reuse Techniques
- BIT 412 Semantic Web

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SCHEME OF INSTRUCTION

BE (INFORMATION TECHNOLOGY)

Proposed scheme with effect from the academic year 2017-2018

IVth SEMESTER-II

Sl.No.	Syllabus Ref.No.	Subject	Scheme of Instruction		Duration in Hrs	Scheme of Examination	
			Periods Per Week	L / D/P		Univ. Exam	Sessionals
THEORY							
1	BIT 451	Embedded Systems	4	-	3	75	24
2		Elective-IV	4	-	3	75	24
3		Elective-V	4	-	3	75	25
PRACTICALS							
4	BIT 481	Embedded Systems Lab	-	3	3	50	25
5	BIT 482	Seminar	-	3	-	-	25
6	BIT 483	Main Project	-	6	Viva Voce	Grade*	50
Total			12	12	-	275	175

ELECTIVE-IV

- BIT 452 Information Retrieval Systems
- BIT 453 Information Storage and Management
- BIT 454 Simulation and Modeling
- BIT 455 Advanced Computer Architecture
- BIT 456 Natural Language Processing

ELECTIVES- V

- BIT 457 Soft Computing
- BIT 458 Human Computer Interaction
- BIT 459 Software Project Management
- BIT 460 Cloud Computing
- ME 411 Entrepreneurship
- BIT 461 Disaster Management

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 25/03/2023
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