

BACHELOR(Hons) OF INFORMATION TECHNOLOGY (BIT)

(4 YEARS, 8 SEMESTERS, CREDITS: 120)

This course aims to provide the fundamental information on technology as well as methodological and implementation issues of IT-related subjects. The course focuses on scientific and technical areas related to software, networking, web, database and internet services, along with areas such as management, communications and human behavior. The student through this course will gain in-depth knowledge and be prepared for jobs in the information technology profession.

PROGRAM AIM

The program aims to give knowledge with depth and accuracy of the impact of information technology within an organization, with society at large, and a detailed appreciation of the impact of information technology on the global scale.

CAREER OPPORTUNITIES

- Software Developers
- Information Technology Consultant
- Computer Forensic Analyst
- Information Technology Business Analyst
- Computer Network Architect
- IT Consultant
- Cloud Architect
- Mobile Application Developer
- Web Developer
- Software Engineer
- Data Modeler
- Software Quality Assurance (QA) Tester
- IT Security Analyst



BIT SYLLABUS

FIRST YEAR | SEMESTER 1

S.N	Module Name	Module Code	Credits
1	Business English	ENG I	3
2	Principles of Information Technology	BIT 6023	3
3	Introduction to C++ Programming	BIT 6044	4
4	Computer Related Mathematics and Statistics		3
5	Basic Computer Architecture	BIT 6013	3
Credit			16

FIRST YEAR | SEMESTER 2

S.N	Module Name	Module Code	Credits
1	Human Computer Interaction	BIT 6133	3
2	Discrete Mathematics	BIT 6063	3
3	Data Communication and Network	BIT 6113	3
4	Object Oriented Programming	BIT 6083	3
5	Operating Systems	BIT 6053	3
Credit			15

SECOND YEAR | SEMESTER 3

S.N	Module Name	Module Code	Credits
1	Digital Electronics and Logic Design	BIT 6193	3
2	Data Structure and Algorithm	BIT 6153	3
3	Industrial Management	BIT 6124	3
4	Web Technology	BIT 6124	4
5	Linux Administration	BIT 6304	4
6	Database Management System	BIT 6093	3
Credit			20

SECOND YEAR | SEMESTER 4

S.N	Module Name	Module Code	Credits
1	Visual Programming	BIT 6103	3
2	System Analysis and Design	BIT 6233	3
3	Organizational Behaviour	BIT 6183	3
4	Information Systems Security	BIT 6143	3
5	CMS based E Commerce-Project based		4
6	Artificial Intelligence	BIT 6264	4
Credit			20

THIRD YEAR | SEMESTER 5

S.N	Module Name	Module Code	Credits
1	Human Relations and Leadership Skills	MPU 3232	2
2	Cyber Security Law & Policy Analysis	BIT 6273	3
3	Cryptography & Network Security	BIT 6163	3
4	Multimedia Systems	BIT 6213	3
5	Server-Side Programming	BIT 6254	4
6	Values & Ethics in profession	BIT 6073	3
Credit			18

THIRD YEAR | SEMESTER 6

S.N	Module Name	Module Code	Credits
1	Research Methodology (Our Free Module)		4
2	Android Programming	BIT 6294	4
3	Project Management	BIT 6243	3
4	Management Information System	BIT 6173	3
5	System Administration and Maintenance	BIT 6203	3
Credit			17

FOURTH YEAR | SEMESTER 7

S.N	Module Name	Module Code	Credits
1	Final Year Project	BIT 6286	06
Credit			06

FOURTH YEAR | SEMESTER 8

S.N	Module Name	Module Code	Credits
1	Industrial Training		8
Credit			08