

B.N.M. Institute of Technology

An Autonomous Institution under VTU

For Internal Communication

Department of Computer Science and Engineering

Innovative Teaching Method

Academic Year 2021-22

Sl. No	Semester	Course	Name of the Faculty	Innovative Method
1.	3	Data Structure and Applications	Prof. Kavyashree K R Prof. Pallavi C V	Activity based learning On Data Structures
2.	3	Software Engineering	Prof. Asha K Dr. Reshma J	Design System Architecture for a Real Time Application
3.	3	Discrete Mathematical Structures	Prof. Namitha S J Prof. Karthik S	Design Solutions for Network Applications using DMS
4.	3	Analog & Digital Electronics	Prof. Manikantha K Prof. Prashanth J	Analog/Digital System Design using VHDL
5.	3	Computer Organization	Dr. Jalaja G Prof. Manjushree K	8085 Microprocessor Architecture and Fibonacci Series
6.	5	Application Development using Python(ADP)	Prof. Deepa Mahadev Prof Ashwini R M	Develop Automated Real World applications using python
7.	5	Database Management System	Prof. Sreevidya R C Prof. Kavya D N	Mini Project
8.	5	Automata Theory and Computability	Prof. AkshithaK Prof. Aashitha L K Shamma	Automaton Construction for real time applications JELAP tool

9.	5	Cryptography and Network Security	Dr. Sneha K Prof. Kavitha Jayaram	Activity using Wireshark and CISCO Packet Tracer
10.	5	Shell Script	Prof. Priyanka Padki	Applications using ShellScript and Pattern Matching over an UNIX System
11.	7	Cryptography	Prof. Ashwini RMalipatil	Implement concepts of Cryptographic Algorithms in real time
12.	7	Big Data Analytics	Prof. Preetham B Prof. Jayashree	Posters on the Course Topic
13.	7	Cryptography	Prof. Ashwini R Malipatil	Implement concepts of Cryptographic Algorithms in real time
14.	7	Big Data Analytics	Prof. Preetham B Prof. Jayashree	Posters on the Course Topic
15.	8	Storage Area Networks	Dr.S. Geetha Prof. Manjushree K	MOOC courses /Activity on VBlock architecture
16.	8	No SQL	Prof. Karthik S	Activities to design and develop real time applications using NOSQL databases such as MongoDB, HBase, Cassandra etc.