

B.N.M. Institute of Technology

An Autonomous Institution under VTU

Department Information Science & Engineering

Innovative Teaching Methods

Academic Year 2023-2024

Sl. No.	Name of Faculty	Course	Semester	Innovative Method	Type of Innovation
1	Dr.S.Srividhya	Python	IV	Hands-on given by team of students	Flipped classroom
2	Dr. Saritha Chakrasali	Java	III	Java course on Code Tantra Hands On	Self paced, Activity based learning
		Cryptography & Information Security	VI	Self learning followed by Quiz, Presentations	Flipped Classroom
3	Dr.Jagruthi H	Data science using Python	V	Hands-on given by team of students	Flipped classroom
		software Engineering	V	Infosys springboard course on software Engineering	Flipped classroom
4	Dr. Laxmi V	Operating System	III	Hands-on command execution and shell programming	Blended Learning and Activity Based learning
		DAA	IV	Hands-on for analysing various Problem solving techniques and algorithms using JAVA	Blended Learning and Activity Based learning using codetantra platform
5	Dr Nandini G	BDA	VII	BDA course online certification	Blended Learning and Activity Based learning
		ATC	V	JFLAP software	Blended Learning and Activity Based learning using JFLAP
		IOT	VI	Hands-on using Arduino IDE, Flask programming	Project-based, Blended Learning and Flipped Class
6	Ms Rashmi T V	Artificial Intelligence	VI	Algorithm Implementation	Activity based learning

		and Machine Learning			
		Artificial Intelligence and Machine Learning	VI	Online course on Artificial Intelligence	Flipped classroom
7	Mrs Sindhu N	C programming	I	Hands-on session	Blended Learning and Activity Based learning using codetantra platform
		Robotic Process Automation	V	Project Based Learning	UiPath Certification
		Python Programming & Applications	II	Hands-on session	Blended Learning and Activity Based learning using codetantra platform, UiPath Certification
8	Mrs Kavya N L	MES	IV	Product Development	Blended Learning and Activity Based learning
		WT	III	Mini Project	Project-based, Blended Learning and Flipped Class
		SPMF	V	Case Study	Activity based learning and presentation of the case study
9	Divyashree S R	DBMS	IV	Mini Project	Project based learning
		Computer Networks	V	Hands on sessions are conducted for Wireshark and Packet Tracer, video lectures	Blended learning, Activity based learning , Flipped classroom, Computer Networks Fundamentals certification from Infosys Springboard
10	Roopashree C S	Blockchain Technologies	VI	Blockchain Demo and Crossword Puzzle solving	Blended Learning and Activity Based learning