

BNM Institute of Technology

An Autonomous Institution under VTU

Department of Electronics & Communication Engineering

Innovations by the Faculty in Teaching and Learning during 2024-25

Sl. No.	Name of Faculty	Course	Semester	Innovative method
1	Dr. Bindu S	Mobile Processor and Communication	5 th Sem	Peer Learning
2	Dr. Jyoti R Munavalli	RM & IPR	7 th Sem	Research Rebooted
		Data structures using C	3 rd Sem	Knowledge Knockout
3	Dr. Subodh Kumar Panda	Robotics and Automation	6 Sem - Open Elective	Robot Quiz
4	Dr. N. Sheshaprasad	IoT [23ETE123]	2 nd sem ECE B	Picture puzzle quiz
		Basic Electrical and Electronics Engineering [23BEE113]	1 st sem ECE A	Quiz
		IoT [24ETC123]	2 nd sem ECE B	Quiz
		IoT [24ETC123]	2 nd sem ECE B	Seminar
		Basic Electrical and Electronics Engineering [24BEE113]	1 st sem ECE A	Simulation using MultiSim
		IoT [24ETC123]	2 nd sem ECE B	Simulation
5	Dr. Ashwini S Savanth	Cloud Computing (21ECE1815)	8 th Sem	Coding related to Docker and Kubernetes
		Digital Signal Processing	4 th Sem	Pictionary to introduce applications of DSP, Role play to demonstrate convolution process, Hands-on implementation on MATLAB
6	Dr. Priya R Sankpal	EPMF	6 th Sem	Advertising
		EPMF	6 th Sem	Color Splash
		EMPF	6 th Sem	Blueprint to Breakdown
		ITC	6 th Sem	Experimental Facts

7	Dr. Keerti Kulkarni	Digital Signal Processing (23ECE142)	4 th Sem	Program Based Learning
8	Dr. Vrunda Kusanur	Computer Networks & Security	5 th Sem	Quiz
				Video Presentation
9	Dr. Rashmi S Bhaskar	Computer Networks & Security	5 th Sem	Flipped class
		Engineering Project Management & Finance	6 th Sem	Flipped classroom
		Introduction to IoT	2 nd Sem	Hands-on Implementation of IOT sensor-actuator integration using Aurdino IDE
10	Dr. Sujaya B L	SPA Lab	4 th Sem	Hackathon
11	Dr. Smitha Gayathri D.	VLSI Design	6 th sem	Pick & Play
		Network Analysis	3 rd sem	Collaborative Question Bank Solving
12	Dr. Sunitha S V	Internet of Things and its applications	1 M.Tech	Image Guessing game, quiz and bidding quiz, Flip classroom
13	Dr.Priyadarshini K Desai	Analog Electronics Circuits	3 rd Sem	Open Circuit
		Analog and Digital Communication	4 th Sem	Samparak
14	Dr.Lakshmi Bhaskar	AIML application using MATLAB	5 th Sem	Poster Presentation
		AIML application using MATLAB	5 th Sem	Quiz
		Wearable Technology	6 th Sem	Mind Mapping –one slide
		Wearable Technology	6 th Sem	2min- Video Presentation
		Wearable Technology	6 th Sem	Learn to Track
15	Sumathi A	Data structures using C	3 rd Sem	Knowledge Knockout
		Wearable Devices	6 th Sem	Product review, Poster presentation, Flipped classroom and Quiz
16	Kiran K N	Robotics and Automation	6 Sem - Open Elective	Robot Quiz

		Analog Electronics Circuits, Analog and Digital Communication	3 Sem, 4 Sem	Open Circuit, Samparak
17	Sarala T	IOT	2 nd sem (ME)	Flip classroom, quiz, Bidding Quiz, Image Guessing Game, Cross word,
		BEE	1 st Sem (AIML A)	Flip Classroom, Quiz
18	Arpita Kulkarni	IOT	2 nd Sem	Mini Project
		Embedded Systems	5 th sem	Role-Play, Quiz, and Case-Study Based Learning for Understanding STM32 Bus Architecture
19	Sudarshan	Control systems	4 th sem	QUIZ
		Embedded systems	6 th sem	FLIPPED CLASS

For any feedback and queries please fill the form: <https://forms.gle/rkMTxMetVCWT9GbP7>