

Bapuji Educational Association (Regd.)
 Bapuji Institute of Engineering and Technology, Davangere-04
Department of Information Science and Engineering
INNOVATIVE IDEAS ADOPTED IN TEACHING LEARNING
ACADEMIC YEAR 2021-22

Sl. No	Name of the Faculty	Subject Name with code	Topic	Innovation Method
1	Anitha G	Artificial Intelligence and Machine Learning 18CS71	Cryptarithmic problem Q - Learning, Reinforcement Learning State Space Search in Artificial Intelligence with example Problem Reduction Search AND-OR Graph Best First Search Algorithm	https://youtu.be/Pnxu0vsKBT0 https://youtu.be/FeijiYzN1B4 https://youtu.be/FeijiYzN1B4 https://youtu.be/oPVj17gB7gY https://youtu.be/Uzraf9TYhjY
2	Rekha B.H & Puneeth S P	Unix Programmimg 18CS56	Unix Commands	Demonstration of Unix Commands
			All 5 Modules	Quiz
			Daemon Processes	Flipped Class
3	Patil N S & Rekha B.H	Discrete Mathematical Structures 18CS36	All 5 Modules	Quiz
4	Jyothi G C	Analog and Digital Electronics (18CS33) Software Architecture and	1. Photodiodes 2. Light emitting diode 3. Opto couplers	https://youtu.be/iaS2-aDwgAM https://youtu.be/aNUM-k37j0 https://youtu.be/tryspijpZJk https://youtu.be/T0Jwjnakq6I

		Design Patterns (18CS731)	4. Voltage switched network. 5. Case study of UML diagrams	https://youtu.be/WnMQ8HlmeXc
5	Shruthi N	Computer Networks and Security 18CS52	1. Computer Networks and Security Online Quiz on Application Layer 2. Computer Networks and Security Online Quiz on Network Layer	https://forms.gle/Rfg87qGtcNDsZesQA https://forms.gle/iw2JpjTHhRQNX1pk6
6	Roopa D E	Computer Networks and Security 18CS52	1. Computer Networks and Security Online Quiz on Application Layer 2. Computer Networks and Security Online Quiz on Network Layer	https://forms.gle/Rfg87qGtcNDsZesQA https://forms.gle/iw2JpjTHhRQNX1pk6
7	Divya M S	18CS71 Artificial Intelligence and Machine Learning	Q - Learning, Reinforcement Learning State Space Search in Artificial Intelligence with example Problem Reduction Search AND-OR Graph	https://youtu.be/FeijiYzN1B4 https://youtu.be/FeijiYzN1B4 https://youtu.be/oPVj17gB7gY https://youtu.be/Uzraf9TYhjY

			Best First Search Algorithm	
8	Patil N S & Nagashri J A	18CS54	All 5 Modules	Quiz
9	Bhuvaneshwari K V	Application Development Using Python (18CS55)	Lists, Tuples, Dictionary, Strings, Regular expression, Files, Classes and objects	1. Conducted Hands-On session to demonstrate working examples of python concepts along with Installation of Anaconda Navigator. 2. Conducted Quiz in online mode.
10	Sushma C	Application Development using Python (18CS55)	All 5 Modules	Quiz
11	Manjushree K R	Analog and Digital Electronics 18CS33	All 5 Modules	Quiz
12	Sheik Imran	Management and Entrepreneurship for IT industry (18CS51)	Case studies of Entrepreneurs	Preparing and Presenting the case studies of various entrepreneurs.
13	Sheik Imran	Python Programming	Lists, Tuples, Dictionary, Strings, Towers of Hanoi, sorting and searching techniques	Presenting, Tracing and Execution of programs.
14	Mrs. Ranjana B Jadekar	Database Management Systems 18CS53	Database Application development	conducted workshop on developing an Application includes front end using visual studio backend in Xamp and connecting using SQL.
15	Hemashree H C	Software Engineering 18CS35	Software testing, Agile Model, SCRUM,	Conducted Techtalk on Software Engineering. Important links: https://simpliweb.app.link/e/tKDTLjrpZnb

16	Mrs. Ranjana B jadekar & Mrs. Kamala R	Computer Organization	Chip Organization and Secondary storage devices.	NPTEL video presented in the tutorial class.
17	Dr Sreenivas B R	Data Structure and its Applications	Tower of Hanoi	1. Activity based learning 2. Collaborative Learning 3. Udemy Course 4. Basics of C Programming