



Department of MCA

Innovative Teaching Methods adopted and its outcome

Academic Year 2019-20

Name of Faculty	Sem	Subject	Innovative Teaching Methods	Outcome
Dr. Pooja Raundale	I	OOP	1. Collaborative learning 2. Auto assessment for practical initiated 3. Assessment code development by Fast learners 4. Assignments for ISE are at the level of NPTEL course.	Increases understanding and team bonding Automatic fair and transparent assessment. Coding club activity to develop the code which will improve their competitive coding skills They tried to solve challenging assignments
Prof. Harshil Kanakia	III	DBMS	Self learning Peer learning Think pair share Four corner	Practical session on Mapreduce. Video and presentation. The idea on data models. The right answer with proper justification.
Dr. Aarti Karande	III	JAVA	1. Programming based teaching 2. Case study based concept delivery 3. Open Book test 4. Plugin Presentation evaluation by IT experts 5. Out of Box syllabus by GoLang and evaluation based on that.	1. Able to apply real time problem solving methods 2. Able to run different plugins. 3. Team work
	V	IoT	1. Videos based on case study 2. Designing solution for IoT real time problems 3. Tutorial based on hands on session	1. Able to visualize and apply IoT framework.
Prof. Nikhita Mangaonkar	I	SE	1. Think Pair Share	Inculcates team building quality and problem solving.

	V	DCCC	1. Case study based	Research Paper based case study was given to understand the problem better
Prof. Pallavi Thakur	V	DA	1. Peer Learning	- Peer teachers reinforce their own learning by instructing others. - Students feel more comfortable and open when interacting with a peer.
Prof. Rupesh Bhoir	I	WT Lab	Refer Udemy course on Laravel	Students are able to use of Laravel framework for web site development
	III	AI	NPTEL Course “Artificial Intelligence: Search methods for problem solving” by Prof. Deepak Khemani. PPT, Video Lecture Programming in Prolog Chat bot online tool.	Students got depth knowledge of AI search domain, They solved problems on Real life scenario. They tried to solve challenging AI problems. Prolog is used to implement simple knowledge based AI programs. dialogflow.com is used for chat bot implementation.
Dr. Neeti Desai	V	ML	1. Discussion on real time case study for Machine Learning in team (11 case studies been discussed) 2. Collaborative learning 3. Discussion on recent topic (content beyond syllabus)	<ul style="list-style-type: none"> ● Increases understanding of subject ● Understand recent trends in ML and Bigdata ● Increase team bonding
Prof. Pratiksha Deshmukh	I	Linux Lab	1.Discussion on recent trends in linux 2.Discussion on different distributors of linux	<ul style="list-style-type: none"> ● Increases understanding of subject
	V	CSF	1.Discussion on real time case study and frauds 2. videos of attacks and online hacking,tools and softwares used for better concept understanding 3.Discussion on recent attacks and how to prevent from being a victim in day to day life	<ul style="list-style-type: none"> ● Increases understanding of subject ● Students are able to find any frauds or attacks and can now prevent themselves and others from being a victim of it ● Knows recent frauds and attacks ● Knows different tools and software use for recovery of attack

	V	G&A	Referring Blender official videos to do some innovative beyond syllabus in team	<ul style="list-style-type: none"> • Students finds implementation interesting and are learning animation beyond syllabus too
Prof. Sampat Vaidya	I	DM	Develop mathematical and logical thinking with the help of examples.	Students are able to formulate problems of graph, trees, recursive relations and theoretical designs.
	III	OR	Use mathematics and mathematical modeling to forecast the implications of various choices using examples.	Students are able to solve a broad range of problems in business and industry to find optimum solution.