



ಬಿ.ಎಂ.ಎಸ್. ತಾಂತ್ರಿಕ ಮತ್ತು ವ್ಯವಸ್ಥಾಪನಾ ಮಹಾವಿದ್ಯಾಲಯ

BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT

(Autonomous Institution Under VTU)

Yelahanka, Bengaluru -560119

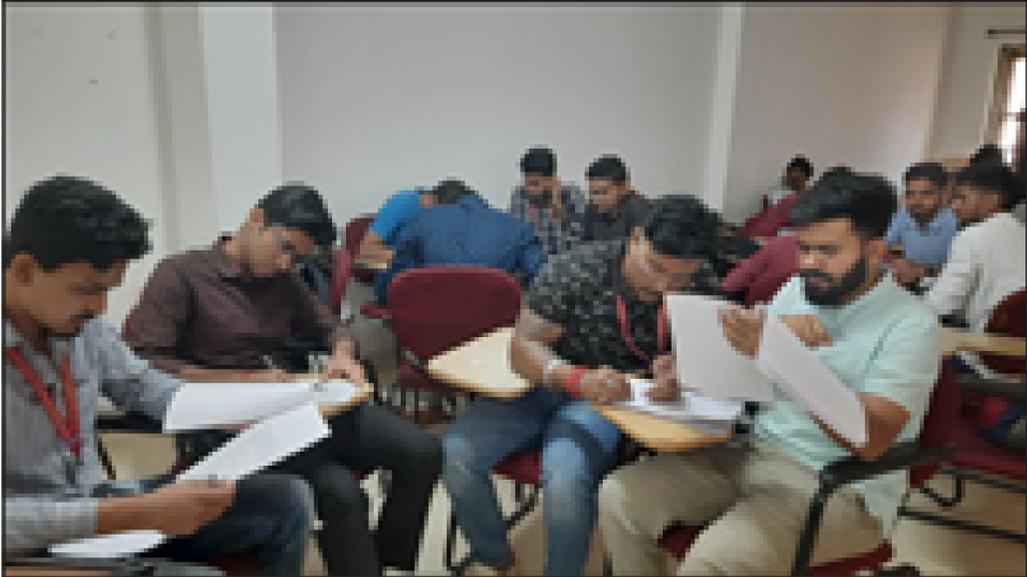
Department of MCA

(Accredited by NBA, New Delhi)

Innovations in Teaching and Learning

	Innovations	Activity		Batch	Faculty Co-ordinator	Snapshots
1	Use of ICT tools	ERP / Google classroom		2021-23 2022-24	All Faculty Members	
2		Video Lectures		2020-22	Dr. M Sridevi	https://www.youtube.com/@machinelearningmadeeasy6875
3	Instruction Delivery and Instructional Methods	Flipped classroom		2023-25	Prof. Ashwitha K	In this blended learning approach, students are assigned topics or provided with video clips in advance. During classroom discussions, the student assigned to a specific topic presents it, followed by the teacher offering further insights.
4		Role Play		2024-26	Prof. Dwarakanath G V	This method is implemented in the Data Structures and Algorithms course for I Semester students (2024-25), focusing on the Singly Linked List. 

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1	Instruction Delivery and Instructional Methods	Story Telling	2023-25	Dr. M Sridevi	As part of this activity, students were encouraged to explore and present real business case stories of following companies Swiggy and Meesho. The objective was to help them understand how successful firms conduct market surveys and perform SWOT analysis prior to product launches. Business magazines served as the primary resource for this task, which was conducted as an in-class engagement activity to promote contextual learning and critical thinking.	
2		Think-Pare Share	2024-26	Prof. Reshma C R	The students were given problem and they present their view on the problem statement	https://drive.google.com/drive/folders/19COVuriggg8FfjYsBATS_xfFl1PmB44t?usp=sharing
3		Case-study based learning	2021-22 2022-23 2023-24 2024-25	All Faculty Members		
4		PBL	2021-22 2022-23 2023-24 2024-25	All Faculty members	Mini Projects are carried out by the students as a team or individual.	
5		Be the Hypothesis	2021-23	Dr. Aparna K	Given datasets, the students need to select with 5-6 attributes & instances, to arrive at the hypothesis.	

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1	Instruction Delivery and Instructional Methods	Think-Pair-Share	2022-23	Dr. Aparna K	<p>The class was divided into groups of 4 students each. The students were given time to explore on ChatGPT, the machine learning technology related to it. And at the end of the activity students were asked to submit the report.</p> 
2		Think-Pair-Share	2021-23	Prof. Reshma C R	<p>The class was divided into groups of 4 students each. The students were given time to perform a study on the given real-time problem to implement the concept of IoT. And submit a report on given problem.</p>
3		Gamification - Quiz	2021-23	Dr. M Sridevi	<p>The Quiz Premiere League was conducted for the students of III Semester MCA on 27.01.2023 in the Blockchain Technology course in which each team were made to bowl the questions and the other team to answer them in a limited time that fetches corresponding marks according to the time in which they answered.</p> 
4		Hackathon	2024-25	All Faculty Members	

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1	Inclusive Classroom Practices	Content delivery in different modes	2021-22 2022-23 2023-24 2024-25	All Faculty Members	<ul style="list-style-type: none"> · Black board & Chalk · Presentation · Lecture · Demonstration
2	Curriculum Enrichment with External Sources	MOOCs (Online courses)	2021-23 2022-24 2023-25	Prof. Reshma C R	
3		AATs	2021-22 2022-23 2023-24 2024-25	All Faculty Members	