







Sri Devaraj Urs Educational Trust (R.), Tamaka, Kolar.
R. L. JALAPPA INSTITUTE OF TECHNOLOGY
 (Approved by AICTE, New Delhi & Affiliated to VTU, Belagavi)
 Kodigehalli, Doddaballapur- 561 203
Department of CSE (Artificial Intelligence & Machine learning)

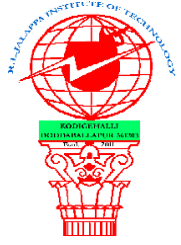
Date: 21/12/2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2023-24 ODD
Subject Name and Subject Code	Object Oriented Programming with JAVA (BCS306A)
Faculty Name	Dr. Manjunatha B N
Semester	3rd 'A' Section
Name of the Innovative Teaching Methods used	Pick and Speak
Short Description of the Innovative Teaching Activity.	<p>The objective of conducting this Pick and Speak event is to know the understanding level and the presentation skills of students about the OOP with JAVA. The conducted event was Pick and Speak, where students pick a topic from bowl. The student will speak about the topic for (3 to 5) minutes and explore the knowledge about the topic.</p> <div style="display: flex; justify-content: space-around;">   </div>
Number of students got benefited.	54
Number of students involved in the activity.	06

Venue of the Activity	Class Room Number AI & ML 307
Schedule of the Event	10:20 AM to 11: 20 AM
Whether the work can be Reproduced and Reviewed.	Yes
Details are available in the college website.	Yes
Contents of the Event	The event contains the Pick and Speak activity and the some of the topics given for the students are: Class, Object, Inheritance, Iteration, Control statement, Variable, Keywords, etc.
Impact Analysis after using this Innovative Teaching Methods used.	Our students have expressed this innovative Teaching Methods is very interesting and they can understand the concept very quickly.
Feedback from the students	Our students have expressed this Pick and Speak Innovative Teaching Method is very interesting and they can understand the concept very clearly.
Relevance to PO and PSO	PO1, PSO2
Any comments or Suggestions from the Programme Co-ordinator/ HoD	Good implementation.

Signature of the Faculty	Signature of the HOD
 Head of Department CSE (Artificial Intelligence & Machine Learning) R. L. Jalappa Institute of Technology Doddaballapur-581 203	 Head of Department CSE (Artificial Intelligence & Machine Learning) R. L. Jalappa Institute of Technology Doddaballapur-581 203

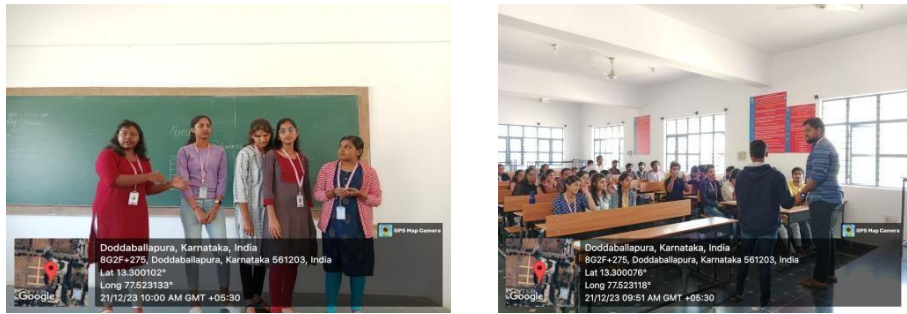


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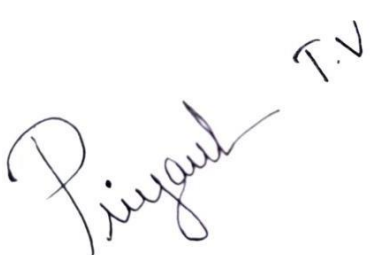

DEPARTMENT OF CSE(Artificial Intelligence and Machine learning)

Date: 21-12-2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2023-24(ODD)
Subject Name and Subject Code	Data Structures and Applications / BCS304
Faculty Name	Ms. Priyanka T V
Semester	III
Name of the Innovative Teaching Methods used	Role-play on Stack and Queue Operations
Short Description of the Innovative Teaching Activity.	<p>Stack operations and Queue operations are an essential part of data structures and algorithms. Stacks are used to store and retrieve data in a specific order in one direction and Queue are used to store and retrieve data in a specific order in both direction of elements. To explain stack operations and queue operations using innovative teaching methodology like Roleplay.</p> <p>Roleplay learning involves students teaching and learning from each other. For example, we can divide students into groups and assign them different stack operations and Queue operations to show enacting to the students in classroom. This not only helps students learn better but also improves their communication, memorizing skills and leadership skills.</p> <p>The outcome of using innovative teaching methodologies to explain stack operations and Queue operations is that students will have a better understanding of the concepts and will be able to apply them to real-world problems. They will also develop problem-solving and critical thinking skills, which are essential for success in any field.</p>
	

Number of students got benefited.	63
Number of students involved in the activity.	14
Venue of the Activity	Class Room Number AI & ML 307
Schedule of the Event	21-12-2023, 10.00 AM
Whether the work can be Reproduced and Reviewed.	Yes
Details are available in the college website.	Yes
Contents of the Event	Stack Operations & Queue operations
Impact Analysis after using this Innovative Teaching Methods used.	Students understood the concepts and can able to apply them to real-world problems and also it helped them to develop problem-solving and critical thinking skills, which are essential for success in any field.
Feedback from the students	Students understood the Stack operations & Queue operations well.
Relevance to PO and PSO	PO3,PO10, PSO1
Any comments or Suggestions from the Programme Co-Ordinator/ HoD	This activity should be extended for next batch of students.

Signature of the Faculty	Signature of the HOD
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DEPARTMENT OF CSE(ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)

Date: 21-12-2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2023-24 (ODD)
Subject Name and Subject Code	Operating System / BCS303
Faculty Name	Mrs. Rekha K P
Semester	III
Name of the Innovative Teaching Methods used	One minute speech
Short Description of the Innovative Teaching Activity.	<p>In a world driven by constant change, adaptability is key. As we stand at the crossroads of innovation, it's imperative to embrace versatility in our approach to learning. Gone are the days of traditional, one-size-fits-all education. Instead, we must champion personalized learning experiences that cater to diverse styles and needs. This means harnessing technology, fostering collaboration, and encouraging creativity in the classroom. By doing so, we equip our students not just with knowledge but with the critical thinking skills and resilience necessary to thrive in an ever-evolving landscape. Let us seize the opportunity to transform education, empowering the next generation to navigate the challenges of tomorrow with confidence and competence.</p> <p>The outcome of using innovative teaching methodologies to explain basic introduction of operating system and explain the structure and functionality of operating system. students will have a better understanding of the concepts and will be able to apply them to real-world problems which are essential for success in any field.</p>

		
Number of students got benefited.	58	
Number of students involved in the activity.	15	
Venue of the Activity	Class Room Number AI & ML 307	
Schedule of the Event	21-12-2023, 11.30 AM	
Whether the work can be Reproduced and Reviewed.	Yes	
Details are available in the college website.	Yes	
Contents of the Event	Introduction of operating system and explain the structure and functionality of operating system	
Impact Analysis after using this Innovative Teaching Methods used.	Students understood the concepts and can be able to apply them to real-world problems and also it helped them to develop problem-solving and critical thinking skills, which are essential for success in any field.	
Feedback from the students	Students understood the introduction of operating system, structure and functionality of operating system well.	
Relevance to PO and PSO	PO3,PO12, PSO1	
Any comments or Suggestions from the Programme Co-Ordinator/ HoD	This activity should be extended for next batch of students.	

Signature of the Faculty	Signature of the HOD
<p data-bbox="354 359 461 415"></p> <p data-bbox="272 422 649 499">Department of CSE (AI & ML) R. L. Jalappa Institute of Technology Doddaballapur 561 203</p>	<p data-bbox="1013 296 1422 380"></p> <p data-bbox="997 380 1403 499">Head of Department CSE (Artificial Intelligence & Machine Learning) R. L. Jalappa Institute of Technology Doddaballapur-561 203</p>





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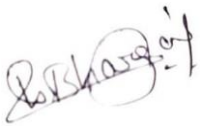

Department of CSE(Artificial Intelligence & Machine Learning)

Date: 21-12-2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2023-24(ODD)
Subject Name and Subject Code	Digital Design and Computer Organization / BCS302
Faculty Name	Mrs Pranava Bhargavi V
Semester	III
Name of the Innovative Teaching Methods used	Flipped classroom
Short Description of the Innovative Teaching Activity.	<p>Combinational circuits and sequential circuits are two types of digital circuits that differ in their output generation strategies .Combinational circuits are time-independent circuits that generate an output based solely on the current input. To explain the differences between combinational and sequential circuits we used the following technique:</p> <p>Flipped classroom: In a flipped classroom, students learnt the concepts before coming to class, and the classroom is used for interactive sessions, discussions, and problem-solving .This approach has been used to explain the differences between combinational and sequential circuits by providing students with pre-recorded videos and reading materials that explain the concepts. In the classroom, students engaged in discussions, asking questions, and solving problems related to the topic.</p> <div style="display: flex; justify-content: space-around;"></div>

Number of students got benefited.	63
Number of students involved in the activity.	48
Venue of the Activity	Class Room Number AI & ML 307
Schedule of the Event	21-12-2023, 12.10 PM
Whether the work can be Reproduced and Reviewed.	Yes
Details are available in the college website.	Yes
Contents of the Event	Combinational circuits vs Sequential circuits
Impact Analysis after using this Innovative Teaching Methods used.	The outcome of using this flipped classroom methodology is,that the students understood the differences between combinational and sequential circuits and understood their applications in real-world scenarios.
Feedback from the students	Students understood the differences between combinational and sequential circuits and understood their applications .
Relevance to PO and PSO	PO3,PO10, PSO1
Any comments or Suggestions from the Programme Co-Ordinator/ HoD	The continued method of innovative techniques can be repeatedly used for all the possible topics in the syllabus

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