



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 COMPUTER SCIENCE & ENGINEERING

Date : 19/12/2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2023-24
Subject Name and Subject Code	DAE Lab, 22CSL23
Faculty Name	Deepika M
Semester	III
Name of the Innovative Teaching Methods used	Pick and Act
Short Description of the Innovative Teaching Activity.	We conducted a Pick and Act activity for III Sem students where students has to pick a topic and give seminar on that chosen topic.
Number of students got benefited.	60
Number of students involved in the activity.	30
Venue of the Activity	Class room
Schedule of the Event	1.30PM-3:30PM
Whether the work can be Reproduced and Reviewed.	Yes
Details are available in the college website.	No

Contents of the Event	1. Analysing the topic 2. Explaining the topic
Impact Analysis after using this Innovative Teaching Methods used.	Students thinking skills will be improved.
Feedback from the students	No
Relevance to PO and PSO	PO3, PSO2
Any comments or Suggestions from the Programme Co-ordinator/ HoD	-



Signature of the Faculty	Signature of the HOD
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Deepika.M




Head of Department
Computer Science and Engineering
R.L. Jalappa Institute of Technology
Doddaballapur, Bangaluru (R)-561 203.





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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 14-06-2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2023-24
Subject Name and Subject Code	Principles of Programming using C
Faculty Name	Mr. Sukhateertha
Semester	I\ C section
Name of the Innovative Teaching Methods used	Pick and develop the code
Short Description of the Innovative Teaching Activity.	The Pick and develop coding and logics has been conducted for students of Engineering 1 st year students all students are participated and they gained the knowledge for basic programming language along with that they also implemented algorithm n flowchart for specific program.
Number of students got benefited.	60 
Number of students involved in the activity.	10
Venue of the Activity	CSE Department seminar hall
Schedule of the Event	12PM to 1PM
Whether the work can be Reproduced and Reviewed.	Yes

Details are available in the college website.	No
Contents of the Event	Online Quiz conducted using the Smart Board facility. The topics Covered are: <ul style="list-style-type: none"> • Coding logics • Algorithm and flowchart • Using control structure & loops in program
Impact Analysis after using this Innovative Teaching Methods used.	The students are now able to develop the code with algorithm and flowchart also they got the knowledge of control and looping statements in basic C programming language..
Feedback from the students	Our students embrace the online quiz as an exciting and interactive way of learning and appreciate the change from traditional teaching methods and see the quiz as an opportunity to apply their knowledge in a practical setting. Students actively participate, enjoy the challenge, and view it as a chance to showcase their understanding of the subject.
Relevance to PO and PSO	PO1,PSO2
Any comments or Suggestions from the Program Co-ordinator/ HoD	Good


Signature of the Faculty	Signature of the HOD
	 Head of Department Computer Science and Engineering R.L. Jaijagan Institute of Technology Doddaballapur, Bangalore (K) 561 764



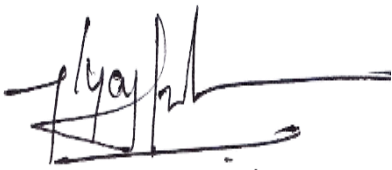

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 10-06-2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2023-24
Subject Name and SubjectCode	Data Structures And Applications - BCS304
Faculty Name	ILYAZ PASHA M
Semester	3 B-Section
Name of the Innovative Teaching Methods used	Role Play
Short Description of the Innovative Teaching Activity.	Conducted a Role play act by forming a group of students together to perform on concept Comparison between the complexity of linear search and Binary search.
Number of students got benefited.	12 
Number of students involved in the activity.	35
Venue of the Activity	Class Room Number 103
Schedule of the Event	15-12-2023
Whether the work can be Reproduced and	Yes

Reviewed.	
Details are available in the college website.	Yet to post in college website
Contents of the Event	1. Comparison between the linear search and Binary search
Impact Analysis after using this Innovative Teaching Methods used.	The utilization of innovative teaching methods has led to a notable improvement in students' thinking skills.
Feedback from the students	No
Relevance to PO and PSO	PO5,PSO2
Any comments or Suggestions from the Programme Co-ordinator/ HoD	Good


Signature of the Faculty	Signature of the HOD
	 Head of Department Computer Science and Engineering R.L. Jalappa Institute of Technology Doddaballapur, Bangaluru (R)-561 203.





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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 14-12-2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2023-24
Subject Name and Subject Code	Angular JS and Node JS - 21CSL581
Faculty Name	VINAYKUMAR Y B
Semester	5 th B-Section
Name of the Innovative Teaching Methodsused	Cooperative Learning on Designing the web page
Short Description of the Innovative Teaching Activity.	Cooperative Learning on Designing the Web Page is an educational approach that promotes collaborative and interactive learning among students in the field of web design. It focuses on fostering teamwork, communication, and problem-solving skills to create well-designed and functional web pages.
Number of students got benefited.	25 
Number of students involved in the activity.	35
Venue of the Activity	ClassRoomNumber 105
Schedule of the Event	13-12-2023
Whether the work can be Reproduced and Reviewed.	Yes

Details are available in the college website.	Yet to post in college website
Contents of the Event	Students may learn coding languages such as HTML, CSS, and JavaScript, as well as design software and frameworks.
Impact Analysis after using this Innovative Teaching Methods used.	The utilization of innovative teaching methods of Cooperative Learning on Designing the Web Page also emphasizes the development of technical skills related to web design tools and technologies.
Feedback from the students	No
Relevance to PO and PSO	PO5,PSO2
Any comments or Suggestions from the Programme Co-ordinator/ HoD	Good

Signature of the Faculty	Signature of the HOD
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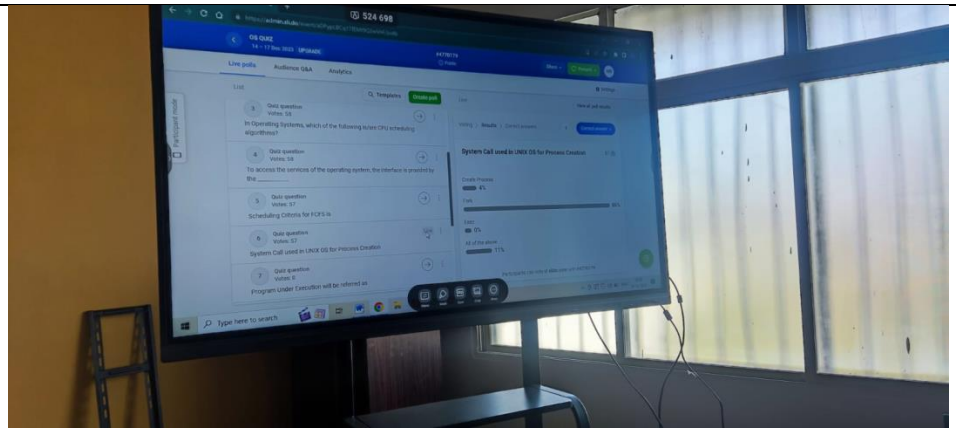
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 19/12/2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2023-24 ODD
Subject Name and Subject Code	Operating Systems BCS303
Faculty Name	Prof. Manju bhargavi D.P
Semester	III A
Name of the Innovative Teaching Methods used	Slido Online Quiz
Short Description of the Innovative Teaching Activity.	Organize an interactive Operating Systems Quiz online for students, helping them understand OS concepts. Engage learners with questions about processes, memory, and file systems. Evaluate their knowledge through a fun and educational quiz. Support student comprehension while making the learning process enjoyable. All the students are appreciated with suitable goodies.
Number of students got benefited.	58



Number of students involved in the activity.

58 in Online quiz

Venue of the Activity

Seminal Hall, CSE Department

Schedule of the Event

2.35 P.M To 3.25 P.M

Whether the work can be Reproduced and Reviewed.

Yes

Details are available in the college website.

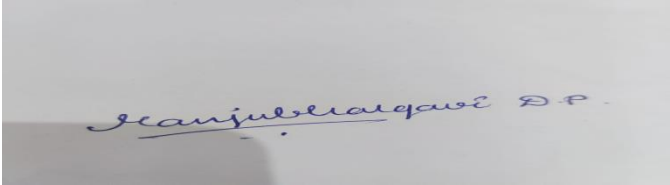
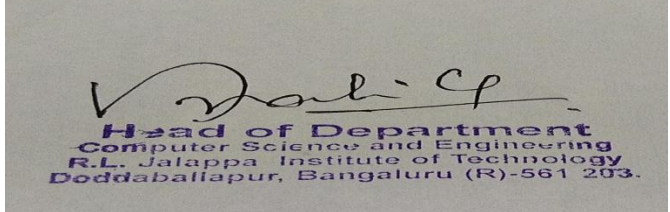
No

Contents of the Event

Online Quiz conducted using the Smart Board facility. The topics Covered are:

- Operating System Service
- Process Concept

	<ul style="list-style-type: none"> • Process Scheduling • Process Synchronization
Impact Analysis after using this Innovative Teaching Methods used.	Students benefited with better understanding and increased interest, making learning more fun and understandable through innovative teaching methods.
Feedback from the students	Our students embrace the online quiz as an exciting and interactive way of learning and appreciate the change from traditional teaching methods and see the quiz as an opportunity to apply their knowledge in a practical setting. Students actively participate, enjoy the challenge, and view it as a chance to showcase their understanding of the subject.
Relevance to PO and PSO	PO1,PO2,PO12 and PS01
Any comments or Suggestions from the Programme Co-ordinator/ HoD	

Signature of the Faculty	Signature of the HOD
	




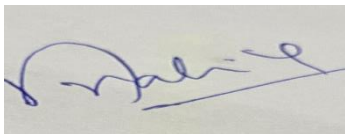

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Kodigehalli, Doddaballapur- 561 203
Department of Computer Science & Engineering

Date: 18/12/2023

Details of the Innovative Teaching Methods used by the faculty.

Academic Year	2023-24 ODD SEM
Subject Name and Subject Code	User Interface Design – 18CS734
Faculty Name	Dr. Murali G
Semester	7th Sem
Name of the Innovative Teaching Methods used	Role Play
Short Description of the Innovative Teaching Activity.	<p>This innovative method is becoming an integral part of engineering education as students can intellectually and physically involve through activities while learning the concepts of Menu options, pop-up menu and cascading menu options.</p> 

	
Number of students got benefited.	52
Number of students involved in the activity.	46
Venue of the Activity	CSE – Fourth Year Classroom
Schedule of the Event	18/12/23 – 11.50 am to 12.40 pm
Whether the work can be Reproduced and Reviewed.	Yes
Details are available in the college website.	Yes
Contents of the Event	Menu options, Pop -up menu and Cascading windows
Impact Analysis after using this Innovative Teaching Methods used.	The students are involved in the physical activities of the topic called menu options, pop-up menus and cascading menu options.
Feedback from the students	Very Good
Relevance to PO and PSO	PO1, PO5, PO12, PSO2
Any comments or Suggestions from the Programme Co-ordinator/ HoD	Continue for

Signature of the Faculty	Signature of the HOD
	 Head of Department Computer Science and Engineering R.L. Jalappa Institute of Technology Doddaballapur, Bangalore (R)-561 203.



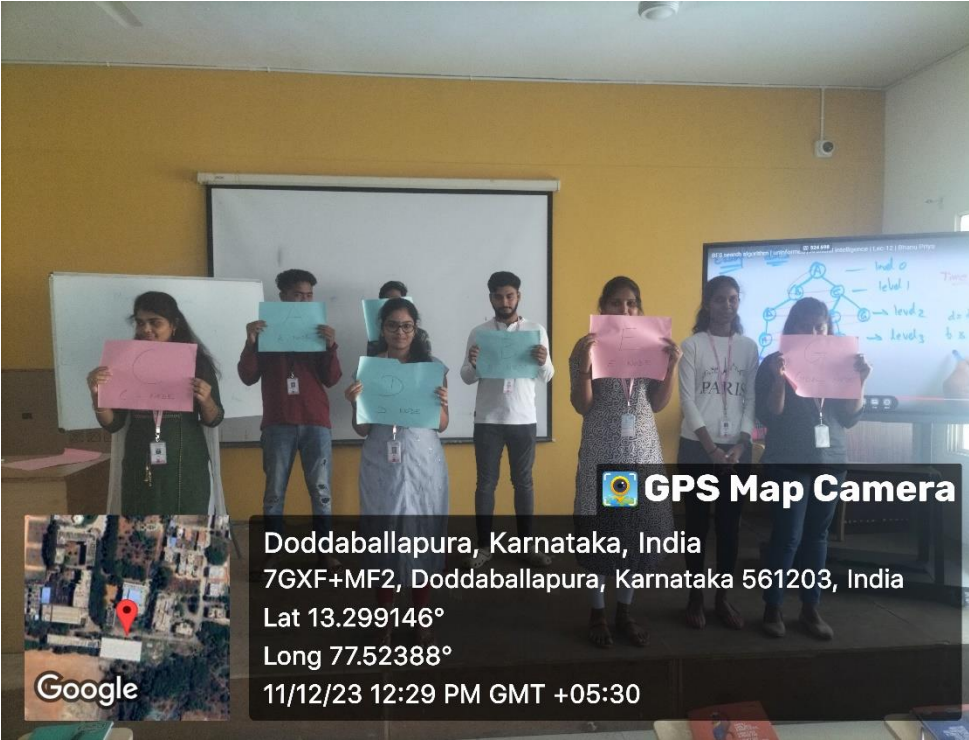
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

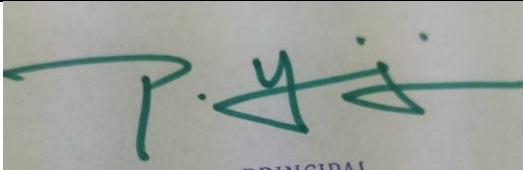
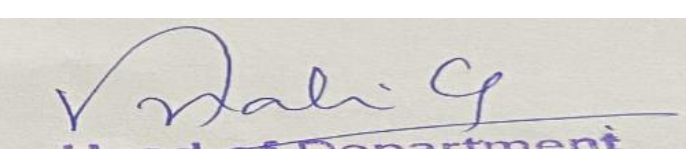
Date: 15/12/2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2023-2024 EVEN
Subject Name and Subject Code	Artificial Intelligence and Machine Learning.
Faculty Name	Dr.P.Vijayakarthish
Semester	5 th Semester
Name of the Innovative Teaching Methods used	Role play
Short Description of the Innovative Teaching Activity.	The objective of Role Play Innovative Teaching Methods is to make the students with better understanding of Depth First Search and Breadth First Search Techniques and students have acted like individual node and Tree Traversal order has been acted by the students. The students have well understood the concepts and students have learnt the order of Traversal by using the Role Play Technique.

	 <p>GPS Map Camera Doddaballapura, Karnataka, India 7GXF+MF2, Doddaballapura, Karnataka 561203, India Lat 13.299146° Long 77.52388° 11/12/23 12:29 PM GMT +05:30</p>
Number of students got benefited.	60
Number of students involved in the activity.	08
Venue of the Activity	CSE Third Year Class Room (Room No.102)
Schedule of the Event	11-12-2023 @ 11:20 AM to 12:10 PM
Whether the work can be Reproduced and Reviewed.	Yes
Details are available in the college website.	Yes
Contents of the Event	<p>Breadth-first search is a graph traversal algorithm that starts traversing the graph from the root node and explores all the neighboring nodes. Then, it selects the nearest node and explores all the unexplored nodes. While using BFS for traversal, any node in the graph can be considered as the root node.</p> <p>There are many ways to traverse the graph, but among them, BFS is the most commonly used approach. It is a recursive algorithm to search all the vertices of a tree or graph data structure. BFS puts every</p>

	vertex of the graph into two categories - visited and non-visited. It selects a single node in a graph and, after that, visits all the nodes adjacent to the selected node.
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, PO9, PO10, PO12, , PSO1
Any comments or Suggestions from the Programme Co-ordinator/ HoD	Recommended to the website.

Signature of the Faculty	Signature of the HOD
 <p>PRINCIPAL R.L. Jalappa Institute of Technology Doddaballapur-561 203 Bengaluru</p>	 <p>Head of Department Computer Science and Engineering R.L. Jalappa Institute of Technology Doddaballapur, Bangalore (R)-561 203.</p>




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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date:19/12/2023



DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULT

Academic Year	2023-24 ODD
Subject Name and Subject Code	Database Management System(21CS53)
Faculty Name	Praveen S R
Semester	5 th
Name of the Innovative Teaching Methods used	Co-operative Innovative Teaching Method
Short Description of the Innovative Teaching Activity.	<p>The objective of conducting this Co-operative Innovative Teaching Method A cooperative teaching method is where the teacher groups students and encourages collaborative learning within the groups. Here, the classroom is divided into groups of 6-10 members, where each student has a designated responsibility. Members of the group need to fulfill their respective duties to achieve the objective given to the group. The central ideology of this model is that when students work in groups, peer influence helps to improve attention, involvement, and knowledge acquisition.</p> 



Number of students got benefited.	57
Number of students involved in the activity.	57 students divided into 7 groups and all students involved in there groups
Venue of the Activity	CSE 1 st floor Room No -105
Schedule of the Event	6 th hour Afternoon on 19-12-2023
Whether the work can be Reproduced and Reviewed.	Yes
Details are available in the college website.	Yes
Contents of the Event	<ol style="list-style-type: none"> 1. What is DBMS? Explain the characteristics of Database. 2. Define Attributes. Explain the types of Attributes

	<p>3. What is entity set. Explain the types of entity set.</p> <p>4. Explain Database Environment component with neat label diagram.</p> <p>5. What is Relationship set? Explain the types of relationship set.</p> <p>6. What is Relation? Explain the characteristics of Relation.</p> <p>7. Define Constrain. Explain the types of Constrain.</p>
Impact Analysis after using this Innovative Teaching Methods used.	Our students have expressed this innovative Teaching Methods very interesting and they have discussed about the topics which is assigned to their groups.
Feedback from the students	Our students have expressed Co-Operative Innovative Teaching Method is very interesting and they can understand the concept very clearly among themselves.
Relevance to PO and PSO	PO1,PSO3
Any comments or Suggestions from the Programme Co-ordinator/ HoD	Good interaction among themselves.

Signature of the Faculty	Signature of the HOD
	 Head of Department Computer Science and Engineering R.L. Jalappa Institute of Technology Doddaballapur, Bangalore (R), 56



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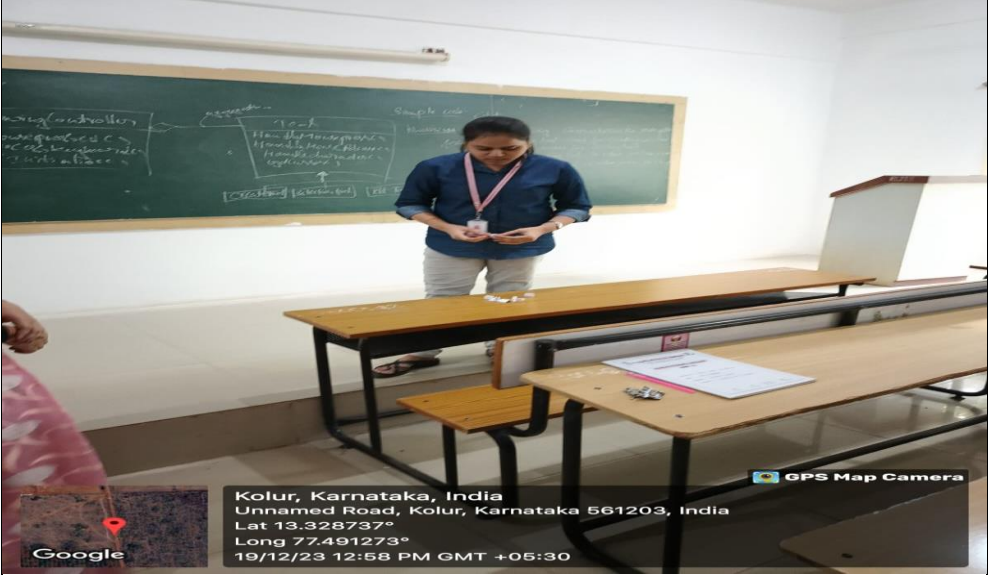
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Kodigehalli, Doddaballapur- 561 203

Department of Computer Science & Engineering

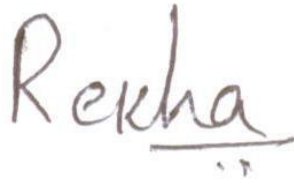
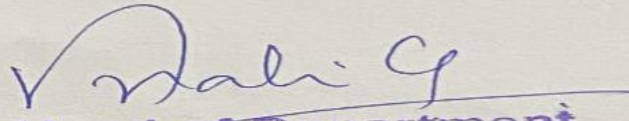
Date: 19/12/2023

Details of the Innovative Teaching Methods used by the faculty

Academic Year	2023-24 ODD SEM
Subject Name and Subject Code	Software Architecture & Design patterns(18CS731)
Faculty Name	M S Rekha
Semester	7 th Sem
Name of the Innovative Teaching Methods used	Pick & speak
Short Description of the Innovative Teaching Activity.	<p>‘Pick and Speak’ activity is designed to assess individually the speaking abilities of 7th sem students. they can assess the learning ability and understand the concepts of design patterns and its usage.they can improve the communication skills by this act.</p>  <p>Kolur, Karnataka, India Unnamed Road, Kolur, Karnataka 561203, India Lat 13.328737° Long 77.491273° 19/12/23 12:58 PM GMT +05:30</p>

	
Number of students got benefited.	56
Number of students involved in the activity.	7
Venue of the Activity	CSE – Fourth Year Classroom 106
Schedule of the Event	19/12/23 – 11.50 am to 12.40 pm
Whether the work can be Reproduced and Reviewed.	Yes
Details are available in the college website.	Yes
Contents of the Event	Chain of Responsibility, Interpreter, Iterator design patterns
Impact Analysis after using this Innovative Teaching Methods used.	The utilization of innovative teaching method of pick and speak activity emphasizes the development of technical skills and improve the communication skills, improve the dialogue delivery, content and avoid stage fear.
Feedback from the students	Very Good
Relevance to PO and PSO	PO1, PO5, PO12, PSO2

Any comments or Suggestions from the Programme Co-ordinator/ HoD	Given feedback as good and also suggested to conduct more number of different activities in future for the growth of students like the same
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Signature of the Faculty	Signature of the HOD
	 <p data-bbox="885 472 1550 588"> Head of Department Computer Science and Engineering R.L. Jalappa Institute of Technology Doddaballapur, Bangalore (R)-561 203. </p>



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Date : 19/12/2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2023-24
Subject Name and Subject Code	AI& ML, 18CS71
Faculty Name	Veena K
Semester	VII
Name of the Innovative Teaching Methods used	Pick and Act
Short Description of the Innovative Teaching Activity.	We conducted a Pick and Act activity for VII Sem students where students has to pick a topic and give seminar on that chosen topic.
Number of students got benefited.	60
Number of students involved in the activity.	30
Venue of the Activity	Class room
Schedule of the Event	1.30PM-3:30PM
Whether the work can be Reproduced and Reviewed.	Yes
Details are available in the college website.	No

Contents of the Event	1. Analysing the topic 2. Explaining the topic
Impact Analysis after using this Innovative Teaching Methods used.	Students thinking skills will be improved.
Feedback from the students	No
Relevance to PO and PSO	PO3, PSO2
Any comments or Suggestions from the Programme Co-ordinator/ HoD	-



Signature of the Faculty	Signature of the HOD
	 <p data-bbox="834 443 1463 632">Head of Department Computer Science and Engineering R.L. Jalappa Institute of Technology Doddaballapur, Bangaluru (R)-561 203.</p>