




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 ALLIED SCIENCES



Date : 27-11-2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2023-24
Subject Name and Subject Code	Mathematics I for CSE stream BMATS101
Faculty Name	Anusha K
Semester	I semester C section
Name of the Innovative Teaching Methods used	Flipped learning method
Short Description of the Innovative Teaching Activity.	<p>There are many activities under Flipped learning method; in that presentation is one of the methods. Presentations form an important part of education. This is because they help students develop their verbal communication skills and provide valuable experience for students who move into jobs that require the technical and public speaking skills associated with presentations.</p> <p>This works particularly well as a flipped classroom activity as it means students will need to think critically about the information provided during the self-study phase in order to present confidently on the topic. Conversely, it helps teachers gain a clear idea of how well a student understands the subject being taught.</p>

	 <p>The photograph shows a woman standing in a classroom, pointing at a chalkboard. The chalkboard contains the following mathematical content:</p> $V = x^2 + y^2 + z^2$ $W = xy + yz + zx$ $N = x + y + z$ <p>Partial derivatives are listed for each function:</p> $\frac{\partial V}{\partial x} = 2x, \quad \frac{\partial V}{\partial y} = 2y, \quad \frac{\partial V}{\partial z} = 2z$ $\frac{\partial W}{\partial x} = y, \quad \frac{\partial W}{\partial y} = x + z, \quad \frac{\partial W}{\partial z} = y + x$ $\frac{\partial N}{\partial x} = 1, \quad \frac{\partial N}{\partial y} = 1, \quad \frac{\partial N}{\partial z} = 1$ <p>The GPS overlay at the bottom right of the photo provides the following information:</p> <p>Doddaballapura, Karnataka, India 7GXF+M7W, RLJIT Campus Rd, Doddaballapura, Karnataka 561203, India Lat 13.29913° Long 77.523123° 07/12/23 01:53 PM GMT +05:30</p>
<p>Number of students got benefited.</p>	<p>48</p>

Number of students involved in the activity.	02
Venue of the Activity	Class Room Number – CSE 303
Schedule of the Event	1.45 pm to 02.20 pm
Whether the work can be Reproduced and Reviewed.	Yes
Details are available in the college website.	Yes
Contents of the Event	<p>Concepts of Jacobian</p> <ul style="list-style-type: none"> • Finding the Partial derivatives • Evaluating the determinant
Impact Analysis after using this Innovative Teaching Methods used.	Student understood the concept thoroughly.
Feedback from the students	To give the presentation they have to understand the concept first. By this way students got thorough knowledge about the concept and the confidence to speak on the dias.
Relevance to PO and PSO	PO2
Any comments or Suggestions from the Programme Co-ordinator/ HoD	These activities shall improve the confidence level of students.

Signature of the Faculty	Signature of the HOD
	 HOD Allied Science Department R.L. Jalappa Institute of Technology Kodigehalli, Doddaballapur Bangalore Rural Dist.-561 203.

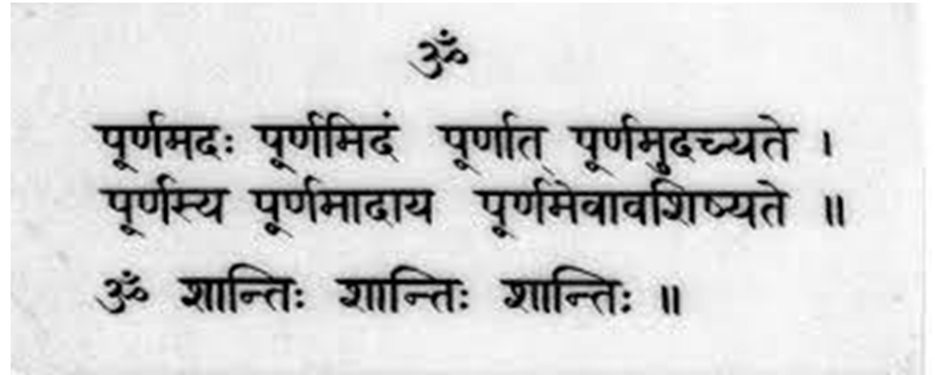


Sri Devaraj Urs Educational Trust (R.), Tamaka, Kolar.
R. L. JALAPPA INSTITUTE OF TECHNOLOGY
(Approved by AICTE, New Delhi & Affiliated to VTU, Belagavi)
Kodigehalli, Doddaballapur- 561 203
DEPARTMENT OF ALLIED SCIENCES

Date : 20/06/2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY



Academic Year	2022-23
Subject Name and Subject Code	Applied Physics for CSE stream, BPHYS202
Faculty Name	Prof. Ashok A S
Semester	II semester D section
Name of the Innovative Teaching Methods used	Story Telling
Short Description of the Innovative Teaching Activity.	<p>Story Telling: Students love to hear stories and therefore, storytelling is one of the best ways to get into their mind in class.</p> <p>While explaining the concept of parallel beam of light rays in LASER and optical fiber, we say that the rays should meet at INFINITE. To explain the concepts and properties of “infinite” I used the below shloka so that it will imprint in mind of the students. And I use to tell stories like aiming at the eye of a fish by Arjuna in Mahabharath by looking at the oil filled bowl instead of water filled bowl. It is just because there will be more reflection from a denser medium than refraction. This will also help the students in understanding the concept of reflection in Semiconductor laser that too without mirrors on both the sides of the p-n junction. Telling Physics in the form of stories will make the students to understand the concepts well and helps to keep in their mind for a long time. This is a mental organizer as human brains can remember stories than just plain facts.</p>



Number of students got benefited.

58

Number of students involved in the activity.	58
Venue of the Activity	Class Room Number - ECE 210
Schedule of the Event	09.55 AM to 10.45 AM
Whether the work can be Reproduced and Reviewed.	Yes
Details are available in the college website.	No
Contents of the Event	<ul style="list-style-type: none"> • Concepts of Optics, Reflection, Refraction, • Total internal reflection • Concepts of Acceptance angle and Numerical aperture. • Properties of lasers • Semiconductor lasers
Impact Analysis after using this Innovative Teaching Methods used.	Students learned the basic Physics concepts and understood the application of science in engineering.
Feedback from the students	They understood the concept clearly.
Relevance to PO and PSO	PO1
Any comments or Suggestions from the Programme Co-ordinator/ HoD	No

Signature of the Faculty	Signature of the HOD
	 HOD Allied Science Department R.L. Jalappa Institute of Technology Kodigehalli, Doddabaliapur Bangalore Rural Dist.-561 203.

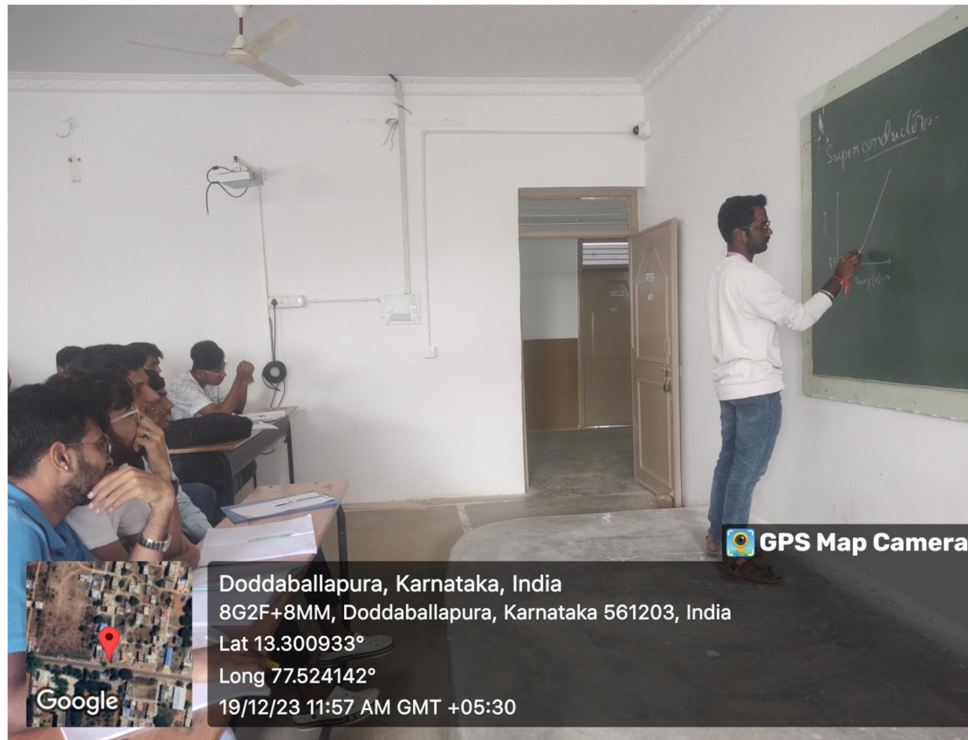


Sri Devaraj Urs Educational Trust (R.), Tamaka, Kolar.
R. L. JALAPPA INSTITUTE OF TECHNOLOGY
(Approved by AICTE, New Delhi & Affiliated to VTU, Belagavi)
Kodigehalli, Doddaballapur- 561 203
DEPARTMENT OF ALLIED SCIENCES

Date : 19/12/2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY



Academic Year	2023-24
Subject Name and Subject Code	Applied Physics for CSE stream, BPHYS102
Faculty Name	Prof. Ashok A S
Semester	I semester A section
Name of the Innovative Teaching Methods used	Creativity, Critical thinking and Problem-solving in the classroom
Short Description of the Innovative Teaching Activity.	Creativity, Critical thinking and Problem-solving in the classroom : In our pursue of preparing students for real world careers and challenges and equipping them with new skills, we often forget that, as educators, we have a duty to dream and create spaces where everyone has the opportunity to bring out the best in themselves. The aim is to rise confidence and broaden knowledge in educators and teachers in adopting different techniques and methods of encouraging their students to become more creative and develop their critical thinking and problem solving skills. In this way, we will be preparing them effectively to be managers and directors of their own future, a constantly changing reality where they will be able to successfully apply their current trend competences to make on complex and open-ended challenges.



Number of students got benefited.

49

Number of students involved in the activity.	49
Venue of the Activity	Class Room Number - CSE 310
Schedule of the Event	11.20 AM to 12.10 PM
Whether the work can be Reproduced and Reviewed.	Yes
Details are available in the college website.	No
Contents of the Event	<ul style="list-style-type: none"> • Super conductivity • Zero resistivity • Conductivity in metals
Impact Analysis after using this Innovative Teaching Methods used.	Students learned the basic Physics concepts and understood the application of science in engineering.
Feedback from the students	They understood the concept clearly.
Relevance to PO and PSO	PO1
Any comments or Suggestions from the Programme Co-ordinator/ HoD	No


Signature of the Faculty	Signature of the HOD
	 HOD Allied Science Department R.L. Jalappa Institute of Technology Kodigehalli, Doddabaliapur Bangalore Rural Dist.-561 203.




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 ALLIED SCIENCE

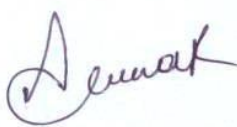

Date : 10/06/2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2022-23
Subject Name and Subject Code	Mathematics –II for CSE stream / BMATS201
Faculty Name	Aruna R
Semester	II-E
Name of the Innovative Teaching Methods used	Flipped Learning Method
Short Description of the Innovative Teaching Activity.	In a flipped classroom students review lecture material at home and work on problems in the classroom. The flipped classroom provides a great space for peer-to-peer collaboration. Students can engage one another to complete group projects, debates, and practice. Teachers are not the center of the flipped classroom. Instead, teachers are more flexible, addressing personalized help and direction for students and student groups as they complete their work.
Number of students got benefited.	54
	

	 <p>Doddaballapura, Karnataka, India 8G2F+3J4, NH 207, Doddaballapura, Karnataka 561203, India Lat 13.299853° Long 77.523784° 10/06/23 12:14 PM GMT +05:30</p>
Number of students involved in the activity.	02
Venue of the Activity	Class Room-ECE-212
Schedule of the Event	10/06/2023
Whether the work can be Reproduced and Reviewed.	Yes
Details are available in the college website.	No
Contents of the Event	Multiple Integrals: Evaluation of double and triple integrals. Evaluation of double integrals by change of order of integration, Changing into polar coordinates.
Impact Analysis after using this Innovative Teaching Methods used.	They actively participated in the task
Feedback from the students	Good
Relevance to PO and PSO	PO1,PO2 and PSO1,PSO3

Any comments or Suggestions from the Programme Co-ordinator/ HoD	They have to improve their communication skills.
---	--

Signature of the Faculty	Signature of the HOD
	 HOD Allied Science Department R.L. Jalappa Institute of Technology Kodigehalli, Doddabaliapur Bangalore Rural Dist.-561 203.

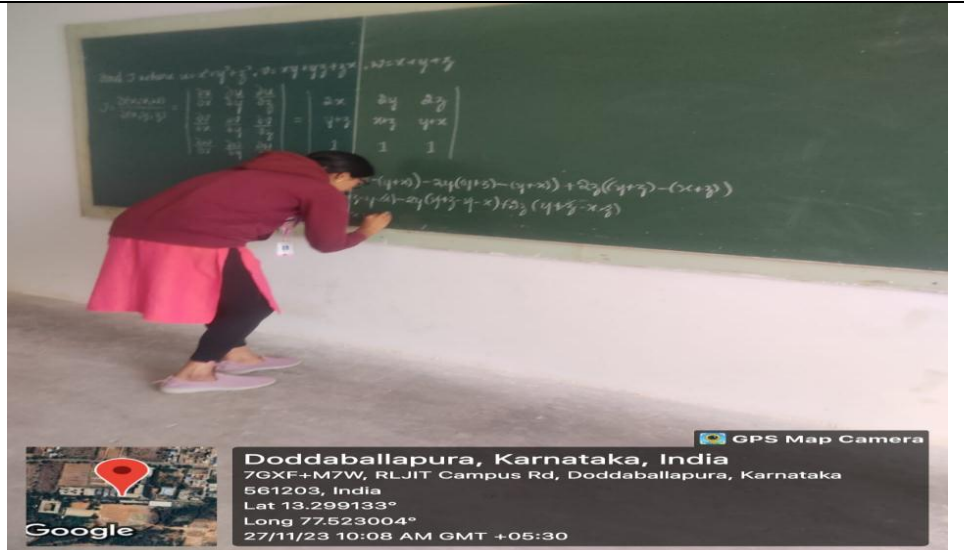


Sri Devaraj Urs Educational Trust (R.), Tamaka, Kolar.
R. L. JALAPPA INSTITUTE OF TECHNOLOGY
(Approved by AICTE, New Delhi & Affiliated to VTU, Belagavi)
Kodigehalli, Doddaballapur- 561 203
DEPARTMENT OF ALLIED SCIENCES

Date : 27-11-2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY



Academic Year	2023-24
Subject Name and Subject Code	Mathematics I for CSE stream BMATS101
Faculty Name	Reshma S R
Semester	I semester B section
Name of the Innovative Teaching Methods used	Flipped learning method
Short Description of the Innovative Teaching Activity.	<p>There are many activities under Flipped learning method; in that presentation is one of the methods. Presentations form an important part of education. This is because they help students develop their verbal communication skills and provide valuable experience for students who move into jobs that require the technical and public speaking skills associated with presentations.</p> <p>This works particularly well as a flipped classroom activity as it means students will need to think critically about the information provided during the self-study phase in order to present confidently on the topic. Conversely, it helps teachers gain a clear idea of how well a student understands the subject being taught.</p>



Number of students got benefited.

49

Number of students involved in the activity.	02
Venue of the Activity	Class Room Number – CSE 302
Schedule of the Event	9.30 am to 10.30 am
Whether the work can be Reproduced and Reviewed.	Yes
Details are available in the college website.	Yes
Contents of the Event	<p>Concepts of Jacobian</p> <ul style="list-style-type: none"> • Finding the Partial derivatives • Evaluating the determinant
Impact Analysis after using this Innovative Teaching Methods used.	Student understood the concept thoroughly.
Feedback from the students	To give the presentation they have to understand the concept first. By this way students got thorough knowledge about the concept and the confidence to speak on the dias.
Relevance to PO and PSO	PO2
Any comments or Suggestions from the Programme Co-ordinator/ HoD	These activities shall improve the confidence level of students.

Signature of the Faculty	Signature of the HOD
	 HOD Allied Science Department R.L. Jalappa Institute of Technology Kodigehalli, Doddaballapur Bangalore Rural Dist.-561 203.

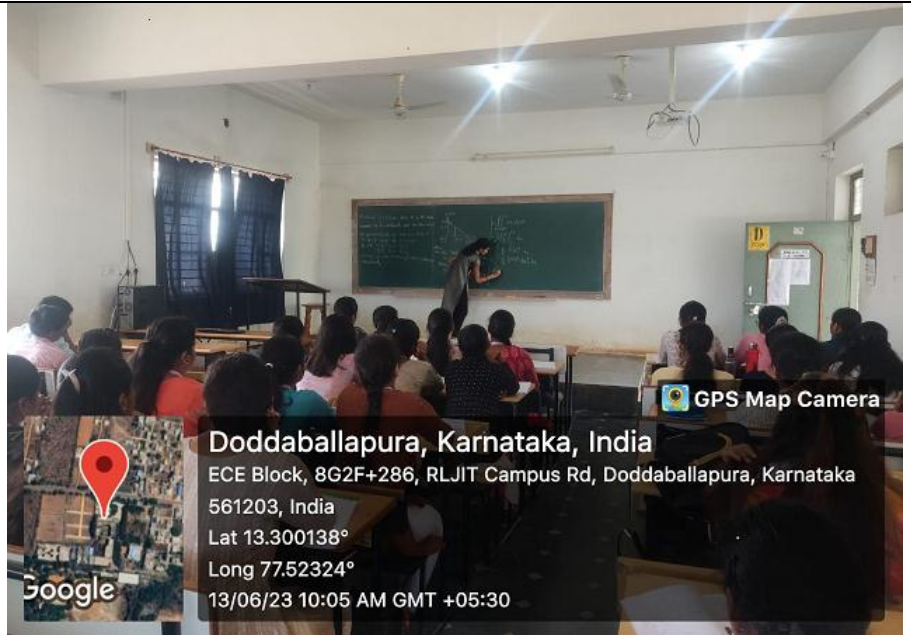


Sri Devaraj Urs Educational Trust (R.), Tamaka, Kolar.
R. L. JALAPPA INSTITUTE OF TECHNOLOGY
(Approved by AICTE, New Delhi & Affiliated to VTU, Belagavi)
Kodigehalli, Doddaballapur- 561 203
DEPARTMENT OF ALLIED SCIENCES

Date : 13/06/2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2022-23
Subject Name and Subject Code	Mathematics II for CSE stream BMATS201
Faculty Name	Reshma S R
Semester	II semester D and F section
Name of the Innovative Teaching Methods used	Flipped learning method
Short Description of the Innovative Teaching Activity.	<p>There are many activities under Flipped learning method; in that presentation is one of the methods. Presentations form an important part of education. This is because they help students develop their verbal communication skills and provide valuable experience for students who move into jobs that require the technical and public speaking skills associated with presentations.</p> <p>This works particularly well as a flipped classroom activity as it means students will need to think critically about the information provided during the self-study phase in order to present confidently on the topic. Conversely, it helps teachers gain a clear idea of how well a student understands the subject being taught.</p>



Doddaballapura, Karnataka, India
ECE Block, 8G2F+286, RLJIT Campus Rd, Doddaballapura, Karnataka
561203, India
Lat 13.300138°
Long 77.52324°
13/06/23 10:05 AM GMT +05:30





Doddaballapura, Karnataka, India
Karenahalli (Devarajanagara, 8G2F+578, Doddaballapura, Karnataka
561203, India
Lat 13.300319°
Long 77.523069°
13/06/23 10:16 AM GMT +05:30

Number of students got benefited.

64

Number of students involved in the activity.	64
Venue of the Activity	Class Room Number - ECE 210
Schedule of the Event	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	<p>Concepts of Integration</p> <ul style="list-style-type: none"> • Evaluation of the integral Bounded by a region • Evaluation of the integral by changing the order of integration.
Impact Analysis after using this Innovative Teaching Methods used.	Student understood the concept thoroughly.
Feedback from the students	To give the presentation they have to understand the concept first. By this way students got thorough knowledge about the concept and the confidence to speak on the dias.
Relevance to PO and PSO	PO2
Any comments or Suggestions from the Programme Co-ordinator/ HoD	Good

Signature of the Faculty	Signature of the HOD
	 HOD Allied Science Department R.L. Jalappa Institute of Technology Kodigehalli, Doddaballapur Bangalore Rural Dist.-561 203.

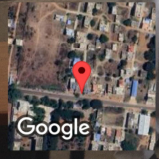


Sri Devaraj Urs Educational Trust (R.), Tamaka, Kolar.
R. L. JALAPPA INSTITUTE OF TECHNOLOGY
(Approved by AICTE, New Delhi & Affiliated to VTU, Belagavi)
Kodigehalli, Doddaballapur- 561 203
DEPARTMENT OF ALLIED SCIENCES

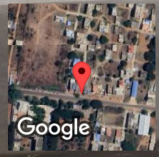
Date: 19/12/2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

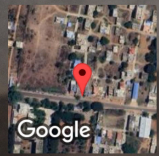
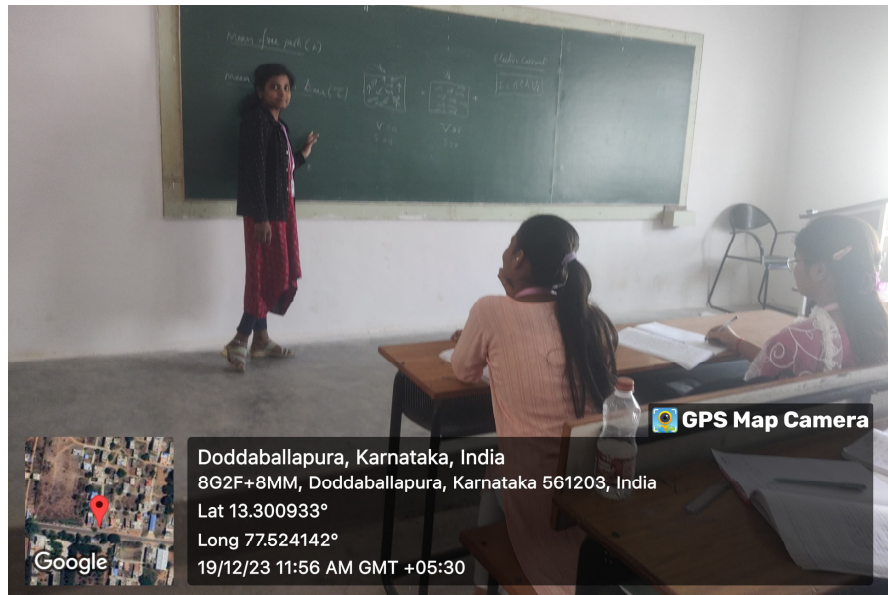
Academic Year	2023-24
Subject Name and Subject Code	Applied Physics for CSE stream BPHYS102
Faculty Name	Dr. Thirumalesh
Semester	I semester C section
Name of the Innovative Teaching Methods used	Flipped learning method and Story Telling
Short Description of the Innovative Teaching Activity.	<p>Flipped learning method: In this method students are encouraged to present on some small topics of the syllabus contents. This works particularly well as in a flipped classroom activity, students need to think critically about the information provided during the self-study phase in order to present confidently on the topic. Conversely, it helps teachers gain a clear idea of how well a student understands the subject being taught. This is because, it help students to develop their verbal communication skills and provide valuable experience for students who move into jobs that require the technical and public speaking skills associated with presentations.</p> <p>Story Telling: I explained the facts and concepts of the laws of physics in the form of stories. Since, students love to hear stories and therefore, storytelling is one of the best ways to get their attention in class. This is a mental organizer as human brains can remember stories than just plain facts.</p>



Doddaballapura, Karnataka, India
8G2F+8MM, Doddaballapura, Karnataka 561203, India
Lat 13.300933°
Long 77.524142°
19/12/23 11:55 AM GMT +05:30


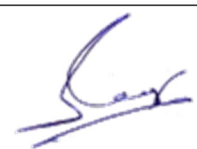


Doddaballapura, Karnataka, India
8G2F+8MM, Doddaballapura, Karnataka 561203, India
Lat 13.300933°
Long 77.524142°
19/12/23 11:55 AM GMT +05:30



Doddaballapura, Karnataka, India
8G2F+8MM, Doddaballapura, Karnataka 561203, India
Lat 13.300933°
Long 77.524142°
19/12/23 11:56 AM GMT +05:30

Number of students got benefited.	50
Number of students involved in the activity.	50
Venue of the Activity	Class Room Number - CSE 334
Schedule of the Event	11.20 AM to 12.10 PM
Whether the work can be Reproduced and Reviewed.	Yes
Details are available in the college website.	No
Contents of the Event	<ul style="list-style-type: none"> • Concepts of Free electron motion, • Electrical conductivity • Electrical Resistance • Temperature dependence of resistivity.
Impact Analysis after using this Innovative Teaching Methods used.	Students learned the basic Physics concepts and understood the conductivity process and concept of electrical resistance.
Feedback from the students	Initially students hesitated to come up but later they got confidence and presented nicely and responded positively.
Relevance to PO and PSO	PO4
Any comments or Suggestions from the Programme Co-ordinator/ HoD	No

Signature of the Faculty	Signature of the HOD
	 HOD Allied Science Department R.L. Jalappa Institute of Technology Kodigehalli, Doddabaliapur Bangalore Rural Dist.-561 203.



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 ALLIED SCIENCES

Date: 9/6/2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2022-23
Subject Name and Subject Code	Chemistry for CSE Stream BCHES202
Faculty Name	Prof. Kavya S R
Semester	II
Name of the Innovative Teaching Methods used	Group discussion
Short Description of the Innovative Teaching Activity.	<p>Group discussion about corrosion and its control</p> <p>Firstly explained about what is corrosion, what are the factors are necessary to carryout corrosion on iron metal surface, which type of environment is increase corrosion rate.</p> <p>Later students done group discussion, how it is possible on metal surface, what are all the steps carryout to cause corrosion and what are the different conditions cause corrosion on metal surface and finally how to avoid corrosion on metal surface.</p>
Number of students got benefited.	53



GPS Map Camera



Doddaballapura, Karnataka, India
7GXF+M7W, RLJIT Campus Rd, Doddaballapura, Karnataka 561203, India
Lat 13.299176°
Long 77.523052°
09/06/23 12:28 PM GMT +05:30



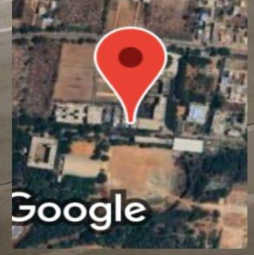
GPS Map Camera



Doddaballapura, Karnataka, India
7GXF+Q5P, NH 207, Doddaballapura, Karnataka 561203, India
Lat 13.299189°
Long 77.522886°
09/06/23 12:27 PM GMT +05:30

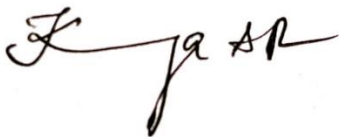



GPS Map Camera



Doddaballapura, Karnataka, India
7GXF+Q5P, NH 207, Doddaballapura, Karnataka 561203, India
Lat 13.299189°
Long 77.522886°
09/06/23 12:27 PM GMT +05:30

Number of students involved in the activity.	53
Venue of the Activity	CSE-330
Schedule of the Event	11:50 am to 12:40 pm
Whether the work can be Reproduced and Reviewed.	yes
Details are available in the college website.	No
Contents of the Event	Corrosion Types of corrosion Corrosive environment How to avoid corrosion
Impact Analysis after using this Innovative Teaching Methods used.	Students understand thoroughly about the topic discussed
Feedback from the students	Excellent
Relevance to PO and PSO	PO1, PSO3
Any comments or Suggestions from the Programme Co-ordinator/ HoD	Students are benefitted

Signature of the Faculty	Signature of the HOD
	 HOD Allied Science Department R.L. Jalappa Institute of Technology Kodigehalli, Doddabaliapur Bangalore Rural Dist.-561 203.



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 ALLIED SCIENCES

Date: 19/12/2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

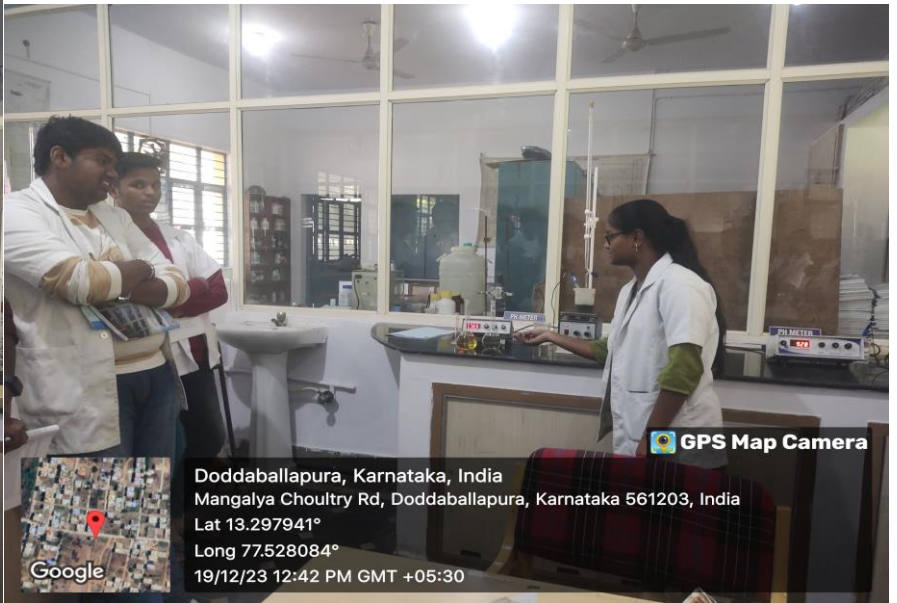
Academic Year	2023-24
Subject Name and Subject Code	Applied Chemistry for CSE Stream BCHES102
Faculty Name	Kavya S R
Semester	I
Name of the Innovative Teaching Methods used	Jigsaws
Short Description of the Innovative Teaching Activity.	Jigsaws are another active learning method. Most importantly, jigsaws introduce the opportunity for students to teach other students. "While we teach, we learn." Explaining something to someone is often considered the best way to truly understand it. With jigsaws, students are divided into groups and given different pieces of information. Students in each group are then tasked with learning the information enough to be able to explain it to someone else. The students are then assigned to different groups where they explain their information to the other members. They complete this process until each group has the full picture of information to complete the task.
Number of students got benefited.	63



GPS Map Camera



Doddaballapura, Karnataka, India
Mangalya Choultry Rd, Doddaballapura, Karnataka 561203, India
Lat 13.297941°
Long 77.528084°
19/12/23 12:41 PM GMT +05:30



GPS Map Camera



Doddaballapura, Karnataka, India
Mangalya Choultry Rd, Doddaballapura, Karnataka 561203, India
Lat 13.297941°
Long 77.528084°
19/12/23 12:42 PM GMT +05:30

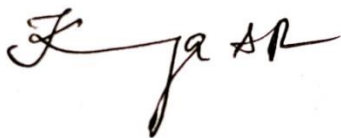



GPS Map Camera



Doddaballapura, Karnataka, India
7GXH+G2G, 22nd cross, Shanti Nagar, Doddaballapura, Karnataka 561203, India
Lat 13.299108°
Long 77.527374°
19/12/23 12:43 PM GMT +05:30

Number of students involved in the activity.	3
Venue of the Activity	Chemistry Laboratory
Schedule of the Event	12:30 pm to 1:00 pm
Whether the work can be Reproduced and Reviewed.	yes
Details are available in the college website.	No
Contents of the Event	Synthesis of iron oxide Check the magnetic property
Impact Analysis after using this Innovative Teaching Methods used.	Students understanding level is more in this method and they become active learners increased their communication skills.
Feedback from the students	Excellent
Relevance to PO and PSO	PO1, PSO3
Any comments or Suggestions from the Programme Co-ordinator	Students become active learners

Signature of the Faculty	Signature of the HOD
	 HOD Allied Science Department R.L. Jalappa Institute of Technology Kodigehalli, Doddabaliapur Bangalore Rural Dist.-561 203.

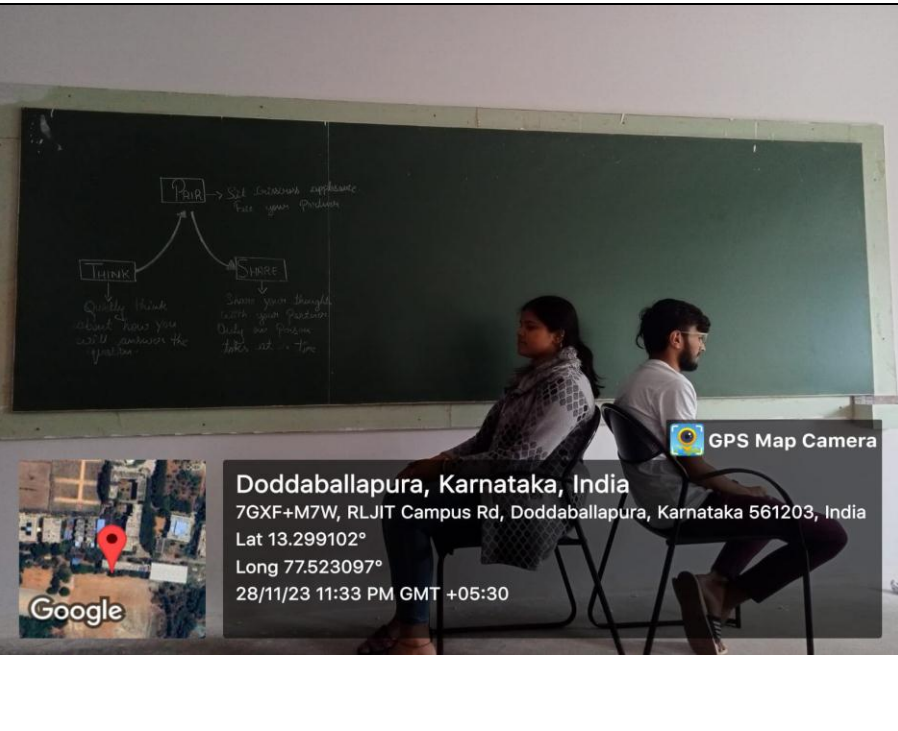


Sri Devaraj Urs Educational Trust (R.), Tamaka, Kolar.
R. L. JALAPPA INSTITUTE OF TECHNOLOGY
(Approved by AICTE, New Delhi & Affiliated to VTU, Belagavi)
Kodigehalli, Doddaballapur- 561 203
DEPARTMENT OF ALLIED SCIENCE

Date : 28/11/2023



DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2023-2024
Subject Name and Subject Code	Mathematics I for CSE stream BMATS101
Faculty Name	Meenakshi H
Semester	I
Name of the Innovative Teaching Methods used	Think Pair and Share
Short Description of the Innovative Teaching Activity.	<p>Think-pair-share is a collaborative learning strategy where students work together to solve a problem or answer a question about an assigned reading. This strategy requires students to</p> <p>Think individually about a topic or answer to a question; and Share ideas with classmates.</p> <p>Discussing with a partner maximizes participation, focuses attention, and engages students in comprehending the reading material.</p> <p>It helps students to think individually about a topic or answer to a question.</p> <p>It teaches students to share ideas with classmates and builds oral communication skills.</p> <p>It helps focus attention and engage students in comprehending the reading material.</p> <p>The Students Explained the concept of Maxima and minima of 2 variables using the method.</p>

	
Number of students got benefited.	43

Number of students involved in the activity.	2
Venue of the Activity	Class Room C S E 3 0 1
Schedule of the Event	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	Maxima and Minima of function of 2 variables.
Impact Analysis after using this Innovative Teaching Methods used.	Students understood the concept thoroughly.

Feedback from the students	Good
Relevance to PO and PSO	PO1,PSO3
Any comments or Suggestions from the Programme Co-ordinator / HoD	Conduct more such events in the future.

Signature of the Faculty	Signature of the HOD
	 HOD Allied Science Department R.L. Jalappa Institute of Technology Kodigehalli, Doddaballapur Bangalore Rural Dist.-561 203.



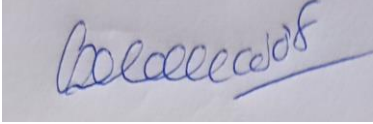

Sri Devaraj Urs Educational Trust (R.), Tamaka, Kolar.
R. L. JALAPPA INSTITUTE OF TECHNOLOGY
 (Approved by AICTE, New Delhi & Affiliated to VTU, Belagavi)
 Kodigehalli, Doddaballapur - 561 203
Dept. of Mechanical Engineering

Date: 19/12/2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2022-23
Subject Name and SubjectCode	Computer Aided Engineering Drawing (BCEDK 103)
Faculty Name	Dr.M. Sreenivasa Reddy
Semester	I
Name of the InnovativeTeaching Methods used	Demonstration of the concept using the Physical Models
Short Description of the Innovative Teaching Activity.	<p>'Computer Aided Engineering Drawing' is a subject which needs creativity of a learner. It is known as the language of engineers which does not contain any word language. In the course of strengthening the concept and creativity of the subject practical / application approach of the subject practical / demonstrative approach has been used using the relevant physical models and animations. Certainly it has simplified understanding of the subject, creating interest and intense involvement amongst the students.</p> <div data-bbox="824 1066 1458 1470" data-label="Image"> </div> <div data-bbox="824 1501 1458 1890" data-label="Image"> </div>
Demo of the models through animation and physical objects.	

Number of students got benefited.	All the students attended the class
Number of students involved in the activity.	61
Venue of the Activity	Seminar hall
Schedule of the Event	1: 30 - 2: 30 pm
Whether the work can be Reproduced and Reviewed.	Yes
Details are available in the college website.	Yes
Contents of the Event	Projection of Solids resting on Horizontal Plane
Impact Analysis after using this Innovative Teaching Methods used.	High
Feedback from the students	Quite appreciable
Relevance to PO and PSO	PO1 and PSO1
Any comments or Suggestions from the Programme Co-ordinator/ HoD	It is suggested to use a few other innovative techniques

Signature of the Faculty	Signature of the HOD
 (Dr.M. Sreenivasa Reddy)	 HOD Allied Science Department R.L. Jalappa Institute of Technology Kodigehalli, Doddabaliapur Bangalore Rural Dist.-561 203.






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 ALLIED SCIENCE

Date :19/12/2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2023-24
Subject Name and Subject Code	Mathematics –I for CSE Stream
Faculty Name	Mr. Madhu N R
Semester	I F Section
Name of the Innovative Teaching Methods used	Brain Storming
Short Description of the Innovative Teaching Activity.	Brainstorming is a group problem-solving method that involves the spontaneous contribution of creative ideas and solutions. This technique requires intensive, freewheeling discussion in which every member of the group is encouraged to think aloud and suggest as many ideas as possible based on their diverse knowledge.
Number of students got benefited.	60
Number of students involved in the activity.	60
Venue of the Activity	Class Room Number: ME-303
Schedule of the Event	02:35 PM to 03:25PM
Whether the work can be Reproduced and Reviewed.	YES

<p>Details are available in the college website.</p>	<p>No</p>
<p>Contents of the Event</p>	
<p>Impact Analysis after using this Innovative Teaching Methods used.</p>	<p>It encourages people to come up with thoughts and ideas that can, at first, seem a bit crazy.</p>
<p>Feedback from the students</p>	<p>Students are very happy and showed Positive attitude It was very interesting.</p>
<p>Relevance to PO and PSO</p>	<p>PO2, PSO1</p>
<p>Any comments or Suggestions from the Programme Co-ordinator/ HoD</p>	<p>NO</p>


Signature of the Faculty	Signature of the HOD
	 <p data-bbox="1104 409 1502 541">HOD Allied Science Department R.L. Jalappa Institute of Technology Kodigehalli, Doddaballapur Bangalore Rural Dist.-561 203.</p>

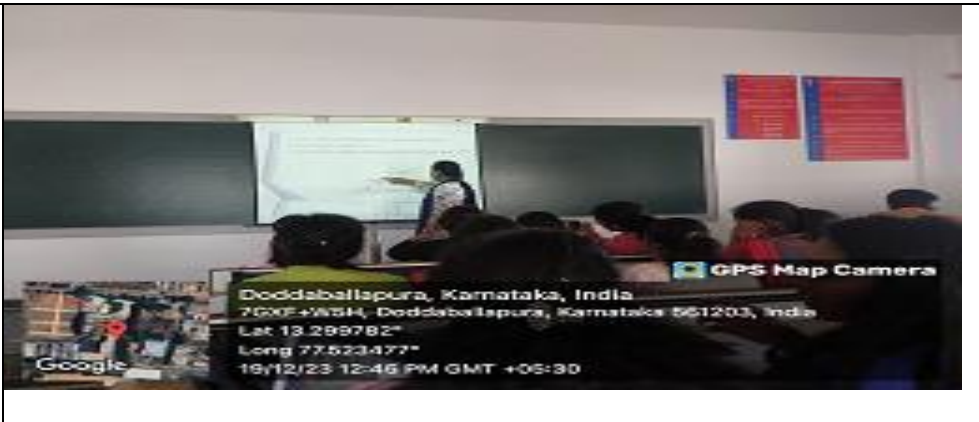



Sri Devaraj Urs Educational Trust (R.), Tamaka, Kolar.
R. L. JALAPPA INSTITUTE OF TECHNOLOGY
(Approved by AICTE, New Delhi & Affiliated to VTU, Belagavi)
Kodigehalli, Doddaballapur- 561 203
DEPARTMENT OF ALLIED SCIENCE

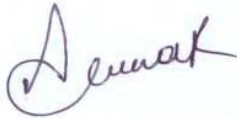

Date : 19/12/2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2023-24
Subject Name and SubjectCode	Mathematics-I for CSE stream / BMATS101
Faculty Name	Aruna R
Semester	I-E
Name of the InnovativeTeaching Methods used	Flipped Learning Method
Short Description of the Innovative Teaching Activity.	In a flipped classroom students review lecture material at home and work on problems in the classroom. The flipped classroom provides a great space for peer-to-peer collaboration. Students can engage one another to complete group projects, debates, and practice. Teachers are not the center of the flipped classroom. Instead, teachers are more flexible, addressing personalized help and direction for students and student groups as they complete their work.
	

	
	
Number of students got benefited.	61
Number of students involved in the activity.	Class strength
Venue of the Activity	Class Room-ME-101
Schedule of the Event	19/12/2023
Whether the work can be Reproduced and Reviewed.	Yes
Details are available in the college website.	No
Contents of the Event	<p>Polar coordinates, Polar curves, angle between the radius vector and the tangent, angle between two curves. Pedal equations. Curvature and Radius of curvature Radius of curvature - Parametric, Polar and Pedal form problems.</p>
Impact Analysis after using this Innovative Teaching Methods used.	They actively participated in the innovative Teaching Method & they can understand the concept better.

Feedback from the students	The students have expressed the flipped learning teaching method is very useful like a revision of entire module topics once again for them.
Relevance to PO and PSO	PO1,PO2 and PSO1,PSO3
Any comments or Suggestions from the Programme Co-ordinator/ HoD	They have to improve their communication skills.

Signature of the Faculty	Signature of the HOD
	 <p data-bbox="885 934 1429 1071"> HOD Allied Science Department R.L. Jalappa Institute of Technology Kodigehalli, Doddabaliapur Bangalore Rural Dist.-561 203. </p>

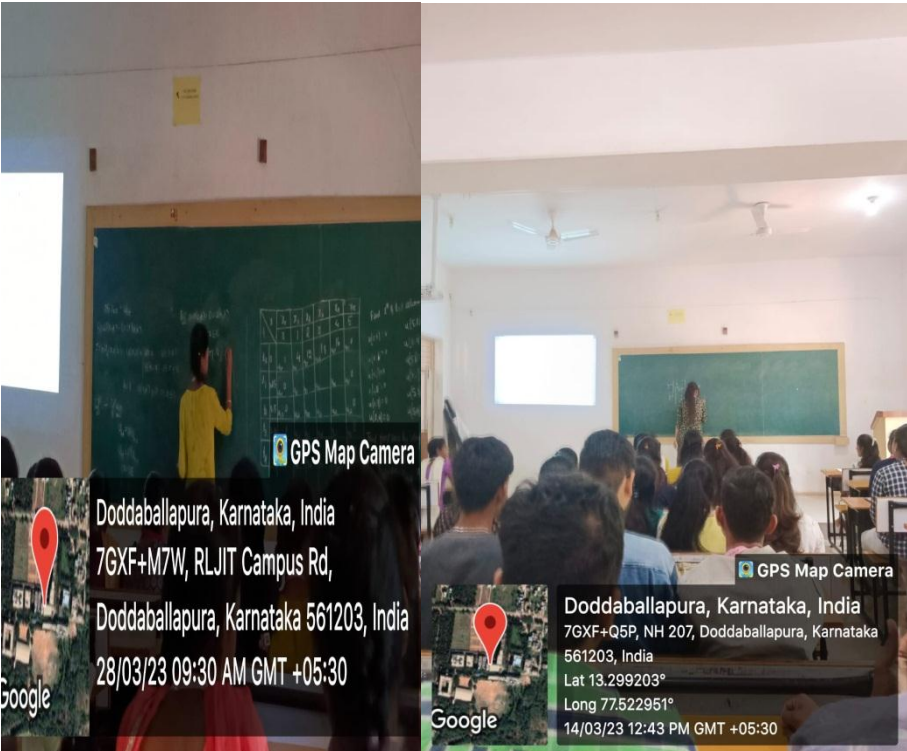




Sri Devaraj Urs Educational Trust (R.), Tamaka, Kolar.
R. L. JALAPPA INSTITUTE OF TECHNOLOGY
(Approved by AICTE, New Delhi & Affiliated to VTU, Belagavi)
Kodigehalli, Doddaballapur- 561 203
DEPARTMENT OF ALLIED SCIENCE

Date :12/06/2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2022-23
Subject Name and Subject Code	Transform Calculus, Fourier Series and Numerical Techniques.
Faculty Name	Mr. Madhu N R
Semester	III (ECE-B, CSE-B)
Name of the Innovative Teaching Methods used	Student Seminar
Short Description of the Innovative Teaching Activity.	By learning about new topics and meeting leaders in their field student feels encouraged and motivated. Listening to any prominent personality in any seminar or workshop helps the student to gain information about their way of work or how things take place
Number of students got benefited.	60
Number of students involved in the activity.	60
Venue of the Activity	Class Room Number: 103
Schedule of the Event	01.30 PM to 02:30 PM
Whether the work can be Reproduced and Reviewed.	YES
Details are available in the college website.	No

<p>Contents of the Event</p>	
<p>Impact Analysis after using this Innovative Teaching Methods used.</p>	<p>Seminar creates interest in student understanding by means of better teaching aids compare to normal classroom chalk and board/talk session. Seminar plays vital role in business as well educational fields to grasp subject inside. Conducting a successful technical seminar requires careful preparation.</p>
<p>Feedback from the students</p>	<p>Students are very happy and showed Positive attitude It was very interesting.</p>
<p>Relevance to PO and PSO</p>	<p>PO1, PO2, PO12</p>
<p>Any comments or Suggestions from the Programme Co-ordinator/ HoD</p>	<p>Shall improve confidence level of students</p>

<p>Signature of the Faculty</p>	<p>Signature of the HOD</p>
	 <p>HOD Allied Science Department R.L. Jalappa Institute of Technology Kodigehalli, Doddaballapur Bangalore Rural Dist.-561 203.</p>






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 ALLIED SCIENCE

Date :12/06/2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2022-23
Subject Name and Subject Code	Mathematics-II For EEE Stream
Faculty Name	Prof. Madhu N R
Semester	II
Name of the Innovative Teaching Methods used	Brain Storming
Short Description of the Innovative Teaching Activity.	Brainstorming is a group problem-solving method that involves the spontaneous contribution of creative ideas and solutions. This technique requires intensive, freewheeling discussion in which every member of the group is encouraged to think aloud and suggest as many ideas as possible based on their diverse knowledge.
Number of students got benefited.	45
Number of students involved in the activity.	4
Venue of the Activity	Class Room Number: 335
Schedule of the Event	01.30 PM to 02:30 PM
Whether the work can be Reproduced and Reviewed.	YES

<p>Details are available in the college website.</p>	<p>Yes</p>
<p>Contents of the Event</p>	
<p>Impact Analysis after using this Innovative Teaching Methods used.</p>	<p>It encourages people to come up with thoughts and ideas that can, at first, seem a bit crazy.</p>
<p>Feedback from the students</p>	<p>Students are very happy and showed Positive attitude It was very interesting.</p>
<p>Relevance to PO and PSO</p>	<p>PO2, PSO1</p>
<p>Any comments or Suggestions from the Programme Co-ordinator/ HoD</p>	<p>Good</p>

Signature of the Faculty	Signature of the HOD
	 <p data-bbox="1105 436 1495 569">HOD Allied Science Department R.L. Jalappa Institute of Technology Kodigehalli, Doddaballapur Bangalore Rural Dist.-561 203.</p>

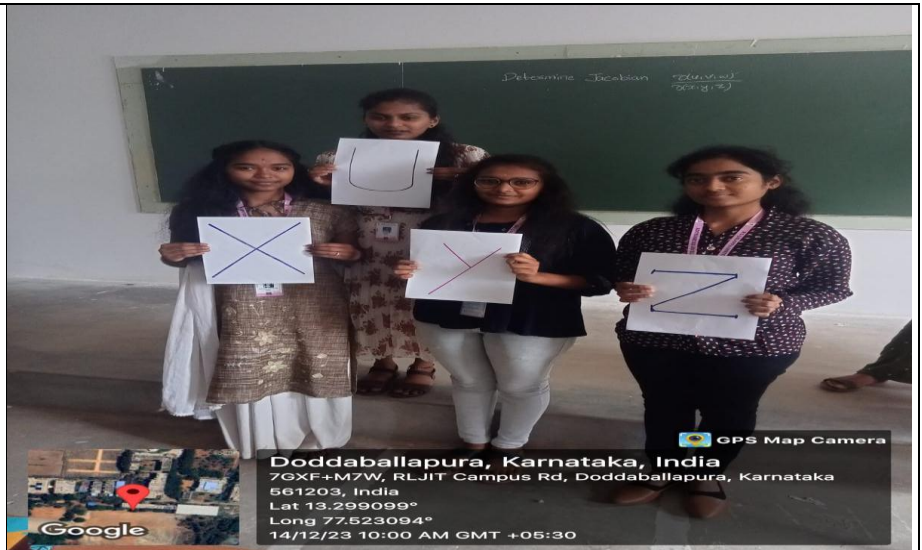


Sri Devaraj Urs Educational Trust (R.), Tamaka, Kolar.
R. L. JALAPPA INSTITUTE OF TECHNOLOGY
(Approved by AICTE, New Delhi & Affiliated to VTU, Belagavi)
Kodigehalli, Doddaballapur- 561 203
DEPARTMENT OF ALLIED SCIENCE

Date : 14/12/2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2023-2024
Subject Name and Subject Code	Mathematics I for CSE stream BMATS101
Faculty Name	Meenakshi H
Semester	I
Name of the Innovative Teaching Methods used	Role Play
Short Description of the Innovative Teaching Activity.	<p>Role-play is a technique that allows students to explore realistic situations by interacting with other people in a managed way in order to develop experience and trial different strategies in a supported environment. Depending on the intention of the activity, participants might be playing a role similar to their own (or their likely one in the future) or could play the opposite part of the conversation or interaction. Both options provide the possibility of significant learning, with the former allowing experience to be gained and the latter encouraging the student to develop an understanding of the situation from the 'opposite' point of view.</p> <p>Role play exercises give students the opportunity to assume the role of a person or act out a given situation. These roles can be performed by individual students, in pairs, or in groups which can play out a more complex scenario.</p> <p>The Students Explained the concept of Partial differentiation & Jacobian using Role play.</p>



Number of students got benefited.

45

Number of students involved in the activity.

7



Venue of the Activity

Class Room C S E 3 0 1

Schedule of the Event

9.30 am to 10.20 am

Whether the work can be Reproduced and Reviewed.	Yes
Details are available in the college website.	Yes
Contents of the Event	Jacobian
Impact Analysis after using this Innovative Teaching Methods used.	Students understood the concept thoroughly.
Feedback from the students	Good
Relevance to PO and PSO	PO1,PSO3
Any comments or Suggestions from the Programme Co-ordinator/ HoD	Conduct more such events in the future.

Signature of the Faculty	Signature of the HOD
	 HOD Allied Science Department R.L. Jalappa Institute of Technology Kodigehalli, Doddaballapur Bangalore Rural Dist.-561 203.



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 ALLIED SCIENCE

Date : 14/6/2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2022-2023
Subject Name and Subject Code	Mathematical Foundations for computing, Probability and Statistics. 21MATCS41
Faculty Name	Meenakshi H
Semester	IV
Name of the Innovative Teaching Methods used	Role Play
Short Description of the Innovative Teaching Activity.	<p>Role-play is a technique that allows students to explore realistic situations by interacting with other people in a managed way in order to develop experience and trial different strategies in a supported environment. Depending on the intention of the activity, participants might be playing a role similar to their own (or their likely one in the future) or could play the opposite part of the conversation or interaction. Both options provide the possibility of significant learning, with the former allowing experience to be gained and the latter encouraging the student to develop an understanding of the situation from the 'opposite' point of view.</p> <p>Role play exercises give students the opportunity to assume the role of a person or act out a given situation. These roles can be performed by individual students, in pairs, or in groups which can play out a more complex scenario.</p> <p>The Students Explained the concept of 5 rules of Inferences using the role play.</p>





Number of students got benefited.

50

Number of students involved in

50

the activity.	
Venue of the Activity	Class Room C S E 1 0 5
Schedule of the Event	14/6/2023
Whether the work can be Reproduced and Reviewed.	Yes
Details are available in the college website.	Yes
Contents of the Event	Rules of Inference.
Impact Analysis after using this Innovative Teaching Methods used.	Students understood the concept thoroughly.
Feedback from the students	Good
Relevance to PO and PSO	PO1,PSO3
Any comments or Suggestions from the Programme Co-ordinator/ HoD	Conduct more such events in the future.

Signature of the Faculty	Signature of the HOD
	 HOD Allied Science Department R.L. Jalappa Institute of Technology Kodigehalli, Doddaballapur Bangalore Rural Dist.-561 203.

