






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 MECHANICAL ENGINEERING

Date: 10/06/2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2022-23
Subject Name and Subject Code	HEAT TRANSFER / 18ME63
Faculty Name	Dr. Gowrishankar T P
Semester	VI
Name of the Innovative Teaching Method used	Pick and Speak, Group Discussion and Quiz
Short Description of the Innovative Teaching Activity.	Students have given an option to talk about topics related to heat transfer. Topics have assigned to group of students to discuss applications among groups. Quiz is conducted for a group of students.
Number of students got benefited.	20

Number of students involved in the activity.	20
Venue of the Activity	ClassRoomNumber103
Schedule of the Event	08/06/2023 11:00 am to 12:30 pm
Whether the work can be Reproduced and Reviewed.	
Details are available in the college website.	
Contents of the Event	
Impact Analysis after using this Innovative Teaching Methods used.	Students actively involved in session and learnt specified topics
Feedback from the students	Students participated actively and got good feedback
Relevance to PO and PSO	PO1, PO2, PSO1
Any comments or Suggestions from the Programme Co-ordinator/ HoD	

Signature of the Faculty	Signature of the HOD
 10/6/23	 H.O.D. OF MECHANICAL ENGINEERING R.L. Jalappa Institute of Technology Kodigehalli, Joddaballapur - 561 703



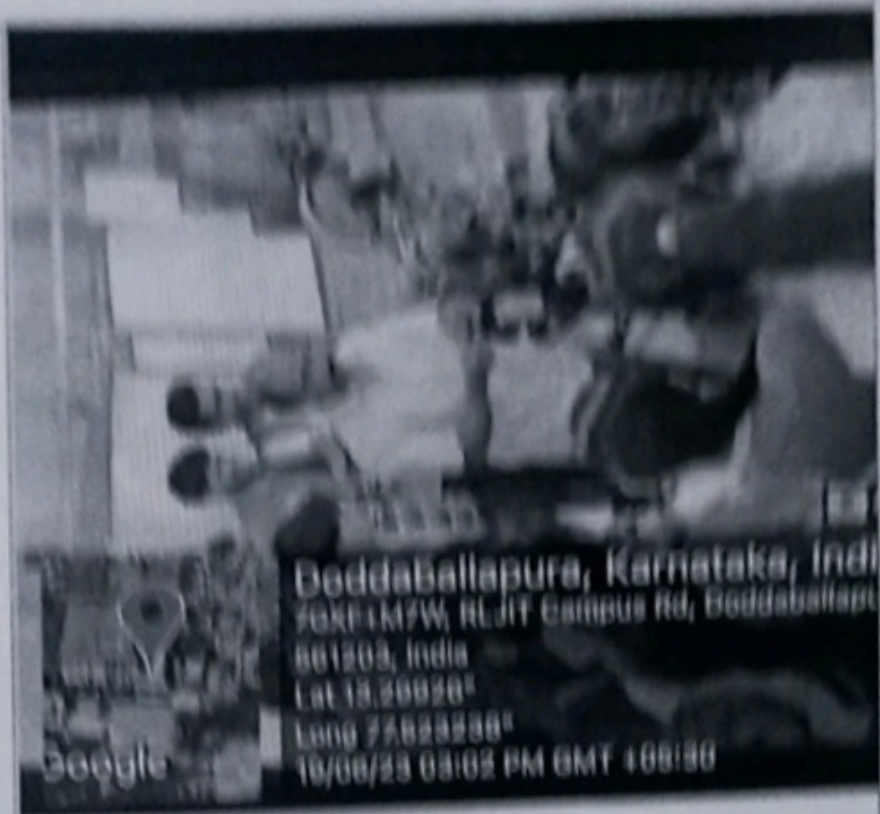
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R. L. JALAPPA INSTITUTE OF TECHNOLOGY
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Kodigehalli, Doddaballapur- 561 203

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 19/06/2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2022-23 EVEN
Subject Name and Subject Code	SUPPLY CHAIN MANAGEMENT 18ME653
Faculty Name	Prof. Harish R S
Semester	VI
Name of the Innovative Teaching Methods used	Concept of Physical Platform
Short Description of the Innovative Teaching Activity.	<p>The objective of conducting this Concept of Physical Platform is to one who gain, the broad knowledge about performance of machine tools in the area of supply chain management activities, through converting the raw material into finished products/goods.</p> <p>Concept of Physical Platform are intended to encourage practical learning methods, while also enhancing general knowledge. Students can " think outside the box" or from diverse perspectives by knowing live processing of conversions.</p>



Number of students got benefited.

23

Number of students involved in the activity.

23

Venue of the Activity

Machine shop

Schedule of the Event

19/8/2023

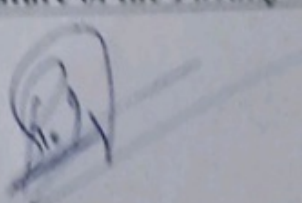
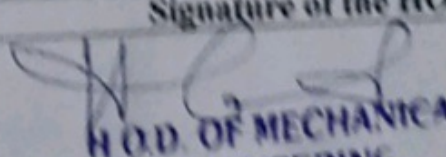
Whether the work can be Reproduced and Reviewed.

YES

Details are available in the college website.

YES

Contents of the Event	The Concept of Physical Platform Includes some of the topics given for the students are: <ul style="list-style-type: none"> • Quality check programs. • Maintenance of the log register books. • Process parameter of Warehouse management. • Technical Skills on alternative factors.
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.
Feed back from the students	Our students have expressed this Concept of Physical Platform Innovative Teaching Method is very interesting and they are understanding the concept very clearly.
Relevant PO and PSO	PO5, PSO2, PSO3
Any comments or Suggestions from the Programme Co-ordinator/ HoD	Suggested to continue the practice as and when necessary.

Signature of the Faculty	Signature of the HOD
	 H.O.D. OF MECHANICAL ENGINEERING R.L. Jalappa Institute of Technology Kodigehalli, Jindabhallapur - 561 203



Sri Devaraj Urs Educational Trust (R.), Tamaka, Kolar.
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Kodigehalli, Doddaballapur- 561 203

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 14/06/2023


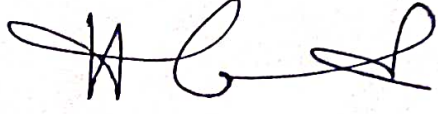
DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2022-23 EVEN
Subject Name and Subject Code	Introduction to Mechanical Engineering and BESCK204D
Faculty Name	Dr. Kumaraswamy J
Semester	2 nd Semester
Name of the Innovative Teaching Methods used	Flip classroom method
Short Description of the Innovative Teaching Activity.	The objective of conducting this he flipped classroom sometimes referred to as the inverted classroom, is a modern instructional strategy that offers student-centered peer-assisted learning. Simply put, in a flipped classroom what is traditionally done in-classroom is done at home, while what is done as homework is now done in-class under the guidance of the teacher.



<p>Number of students got benefited.</p>	<p>55</p>
<p>Number of students involved in the activity.</p>	<p>55</p>

Venue of the Activity	Class Room No.: 212
Schedule of the Event	14/06/2023
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 Flip classroom and the some of the topics given for the students are: i) Solar energy and applications ii) Wind energy and applications
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 Flip classroom Innovative Teaching Method is very interesting and they can understand the concept very clearly.
Relevance to PO and PSO	PO1, PO2, PSO2.
Any comments or Suggestions from the Programme Co-ordinator/ HoD	Suggested to continuous practice as and when necessary.

Signature of the Faculty	Signature of the HOD
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Kodigehalli, Doddaballapur- 561 203

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 13/06/2023

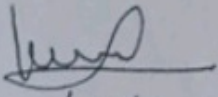
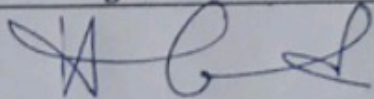
DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2022-23 EVEN
Subject Name and Subject Code	Design of Machine Elements-II and 18ME62
Faculty Name	Dr. Kumaraswamy J
Semester	6 th Semester
Name of the Innovative Teaching Methods used	Think-Pair-Share and Group discussion.
Short Description of the Innovative Teaching Activity.	<p>P: (Pair) Each student should be paired with another student or a small group. S: (Share) Students share their thinking with their partner. Teachers expand the "share" into a whole-class discussion. Visit Cathy Doyle's second grade classroom in Evanston, Illinois to observe her students learning the think-pair-share strategy.</p> 



Number of students got benefited.	24
Number of students involved in the activity.	24
Venue of the Activity	Class Room No.: ME103
Schedule of the Event	13/06/2023
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 Think-Pair-Share and Group discussion the some of the topics given for the students are: i) Design of spur gear. ii) Design of worm and worm gear. iii) Simple problem on spur gear.
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 Think-Pair-Share and Group Discussion Innovative Teaching Method is very interesting and they can understand the concept very clearly.
Relevance to PO and PSO	PO1, PO3, PSO2.
Any comments or Suggestions from the Programme Co-ordinator/ HoD	Suggested to continuous practice as and when necessary.

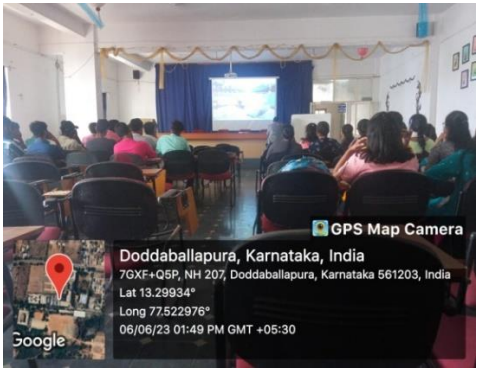
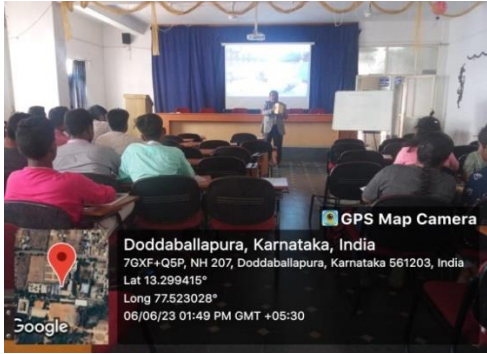
Signature of the Faculty	Signature of the HOD
 13/06/2023	 H O.D. OF MECHANICAL ENGINEERING R.L. Jalappa Institute of Technology Kodigehalli, Joddabattapur - 561 203





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(Approved by AICTE, New Delhi & Affiliated to VTU, Belagavi)
Kodigehalli, Doddaballapur - 561 203
Dept. of Mechanical Engineering

Date: 08/6/2023

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	II
Name of the Innovative Teaching 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 requires imagination of a learner. It is the universal language of engineers. In the direction of reinforcing the concept and creativity of the subject practical / application approach of the subject practical / demonstrative approach has been used using the appropriate physical models and animations. It will simplify the understanding of the subject, creating interest and involvement amongst the students.</p>   <p>Demonstration of the concepts through animation and physical models.</p>

Number of students got benefited.	All the students attended the class
Number of students involved in the activity.	58
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.	-
Contents of the Event	
Impact Analysis after using this Innovative Teaching Methods used.	High
Feedback from the students	Very sportive
Relevance to PO and PSO	PO1
Any comments or Suggestions from the Programme Co-ordinator/ HoD	Suggested to continue the practice as and when necessary

Signature of the Faculty	Signature of the HOD
 08/06/2023 Professor of Mechanical Engineering R.L. Jalappa Institute of Technology Doddaballapur-561 203, Bengaluru Rural Dist.,	 08/06/2023 H.O.D. OF MECHANICAL ENGINEERING R.L. Jalappa Institute of Technology Kodigenahalli, Doddaballapur - 561 203



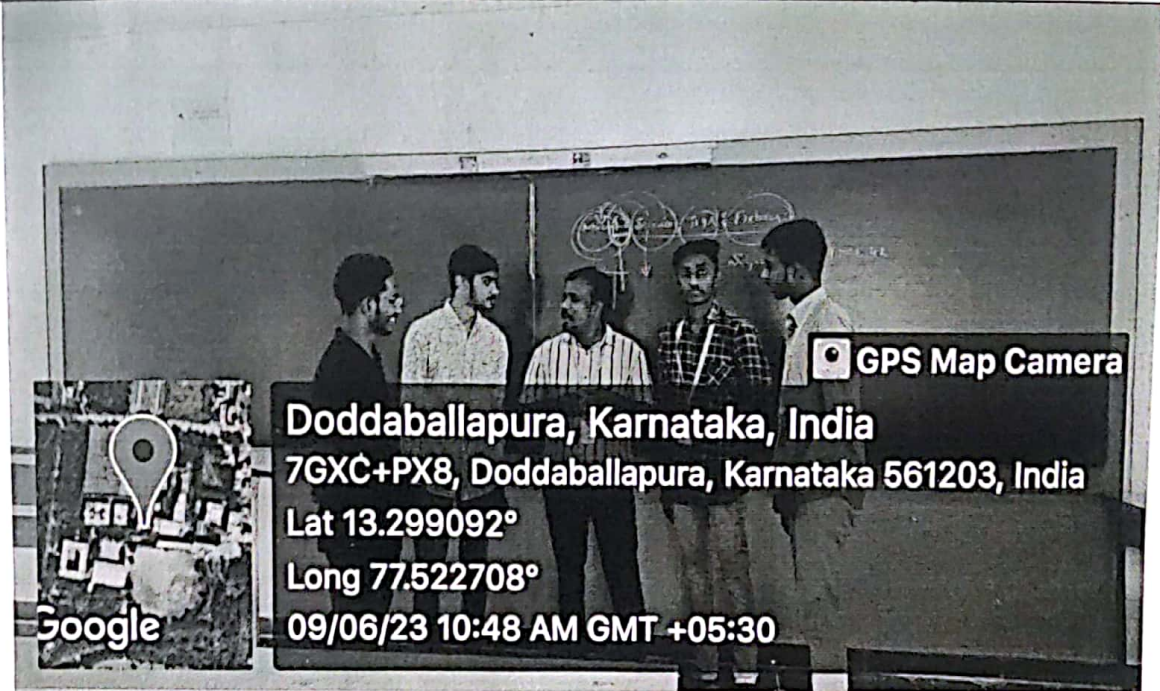
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DEPARTMENT OF MECHANICAL Engg


Date : 16/06/2023

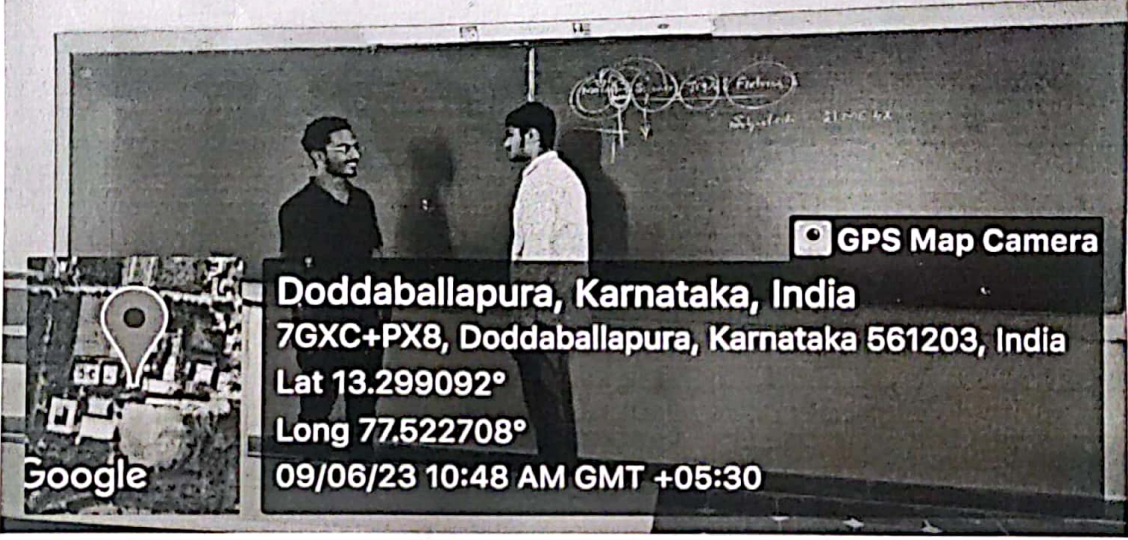
DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY


Academic Year	2022-23
Subject Name and Subject Code	Machining Science, Jigs & Fixtures
Faculty Name	Dr. Sunil Kumar K
Semester	4 TH
Name of the Innovative Teaching Methods used	Flexible Learning Environments
Short Description of the Innovative Teaching Activity.	<p>Teachers should know how to use their classrooms for different instructional approaches. For example, when teachers are willing to change the furniture around in the classroom, they may discover that it is a critical variable for boosting student learning. As education has changed, the classroom space must allow opportunities for students to work alone, communicate with their peers, and collaborate.</p> <p>Many classrooms today are still packed, cluttered, and noisy environments that make it difficult for kids to move about, inducing communication breakdowns and other barriers to concentration and understanding. Learning environments should maintain fluidity to facilitate one-on-one learning, collaboration, free-thinking, and group debates.</p>

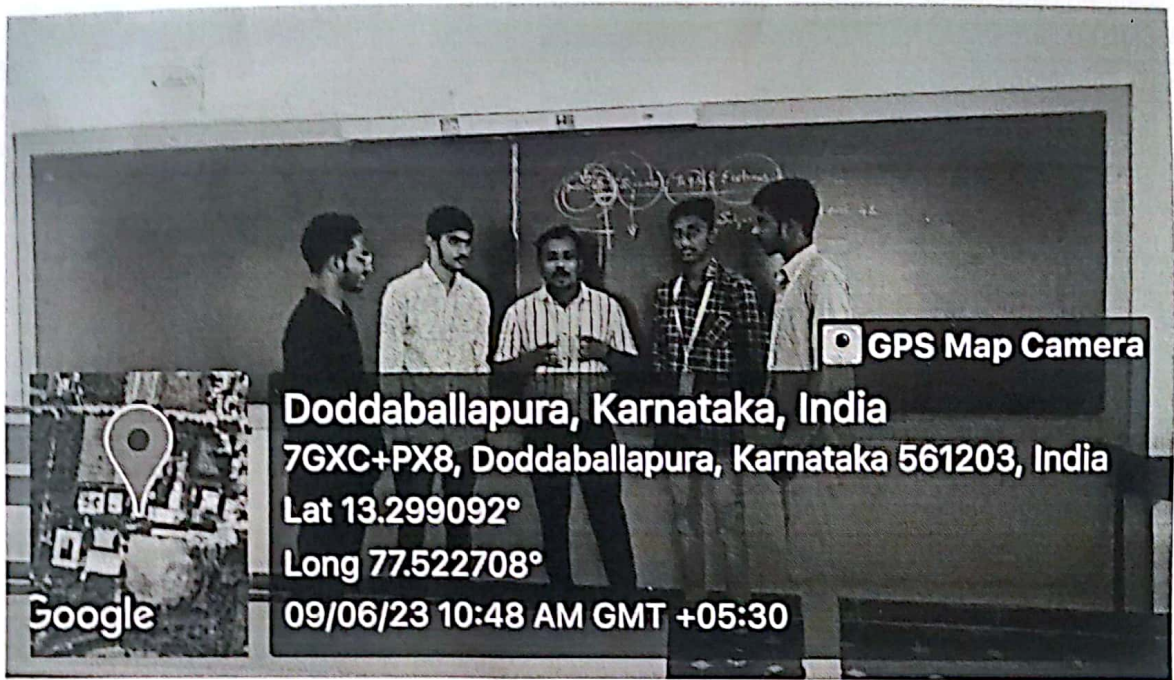
Number of students got benefited.	All the students in the class
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 Long 77.522708°
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 Long 77.522708°
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Number of students involved in the activity.	05
Venue of the Activity	Class Room Number / seminar hall / lab /.....
Schedule of the Event	
Whether the work can be Reproduced and Reviewed.	Yes
Details are available in the college website.	yes
Contents of the Event	Advanced manufacturing process connected with flexible environment method
Impact Analysis after using this Innovative Teaching Methods used.	Students are connected properly to the subject and they spoke the same content with different concepts.
Feedback from the students	Students are very impressed and
Relevance to PO and PSO	PO1,PO2 and PSO1
Any comments or Suggestions from the Programme Co-ordinator/ HoD	<i>Suggested to continue the practice as and when necessary.</i>


Signature of the Faculty	Signature of the HOD
 Dr. Sunil Kumar .K BE, M Tech, Ph.D., MISTE, AMIE Associate Professor Department of Mechanical Engineering R.L. Jalappa Institute of Technology, Jodda Ballapur-561 203.	 H O.D. OF MECHANICAL ENGINEERING R.L. Jalappa Institute of Technology Kodigehalli, Jodda Ballapur - 561 203




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(Approved by AICTE, New Delhi & Affiliated to VTU, Belagavi)
Kodigehalli, Doddaballapur- 561 203
DEPARTMENT OF Mechanical Engineering

Date :14/06/2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2022-23
Subject Name and Subject Code	UNIVERSAL HUMAN VALUES-II and 21UHV49
Faculty Name	Dr.Hanumanthe Gowda
Semester	IV
Name of the Innovative Teaching Methods used	Pick and Speak ,Group Discussion
Short Description of the Innovative Teaching Activity.	<p>Students have given an option to talk about topics related to Universal Human Values.</p> <p>Topics have assigned to group of students to discuss.</p> 

DEPARTMENT OF MECHANICAL
ENGINEERING
R. L. JALAPPA INSTITUTE OF TECHNOLOGY

	
Number of students got benefited.	12
Number of students involved in the activity.	12
Venue of the Activity	CIM Lab
Schedule of the Event	10 am-11 am
Whether the work can be Reproduced and Reviewed.	yes
Details are available in the college website.	-
Contents of the Event	Universal Human Values –Value of Education
Impact Analysis after using this Innovative Teaching Methods used.	High
Feedback from the students	Very interesting
Relevance to PO and PSO	PO6
Any comments or Suggestions from the Programme Co-ordinator/ HoD	Suggested to continue the practice as and when necessary

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**H O.D. OF MECHANICAL
ENGINEERING**
R.L.Jalappa Institute of Technology
Kodigehalli, Doddaballapur - 561 203

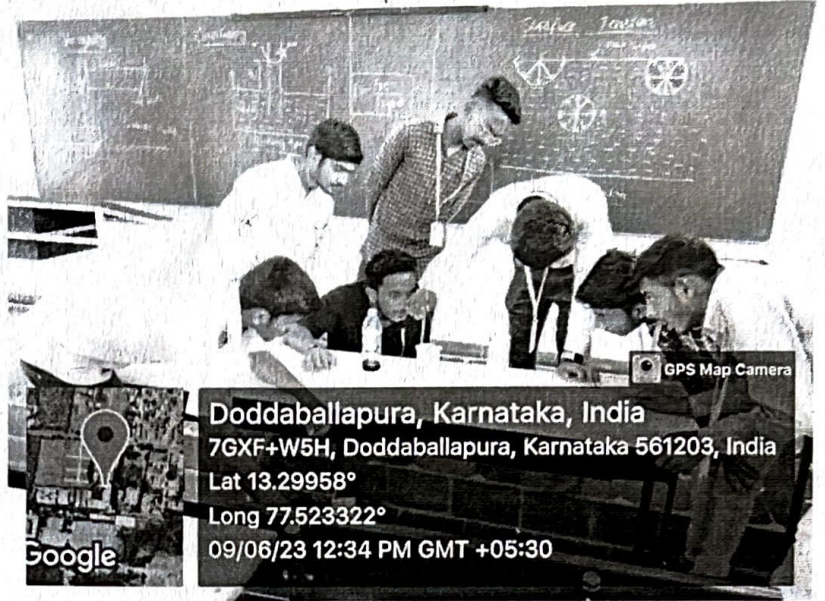


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Kodigehalli, Doddaballapur- 561 203
DEPARTMENT OF MECHANICAL ENGINEERING

Date: 09/06/2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

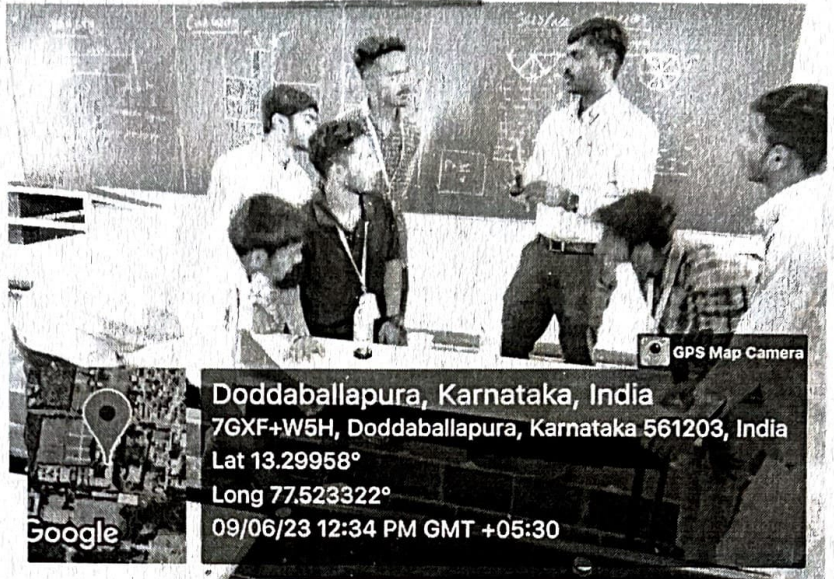
Academic Year	2022-23 EVEN
Subject Name and Subject Code	Fluid Mechanics / 21ME43
Faculty Name	Lakshminarayana T H
Semester	IV
Name of the Innovative Teaching Methods used	Practical demonstration of viscosity, capillarity and surface tension.
Short Description of the Innovative Teaching Activity.	<p>The objective of practical demonstration of different concepts is to make the students to understand the concepts more effectively by doing it practically.</p> 



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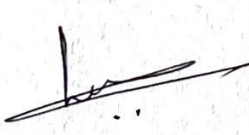
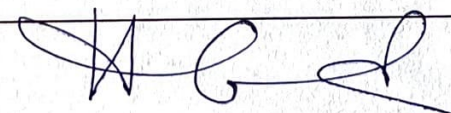


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Number of students got benefited.	8
Number of students involved in the activity.	8
Venue of the Activity	Room No. : ME101
Schedule of the Event	09/06/2023

Whether the work can be Reproduced and Reviewed.	Yes
Details are available in the college website.	Yes
Contents of the Event	The event contains practical demonstration of following concepts 1) Viscosity 2) Capillarity 3) Surface tension
Impact Analysis after using this Innovative Teaching Methods used.	Students have expressed that innovative teaching methods are very interesting, attractive and they are able to understand the concepts very quickly with almost no doubt.
Feedback from the students	Students were very happy and they showed much interest to have more number of classes in the same manner in future.
Relevance to PO and PSO	PO1, PSO1, PSO2.
Any comments or Suggestions from the Programme Coordinator / HoD	Suggested to continue the practice as and when necessary.

Signature of the Faculty	Signature of the HOD
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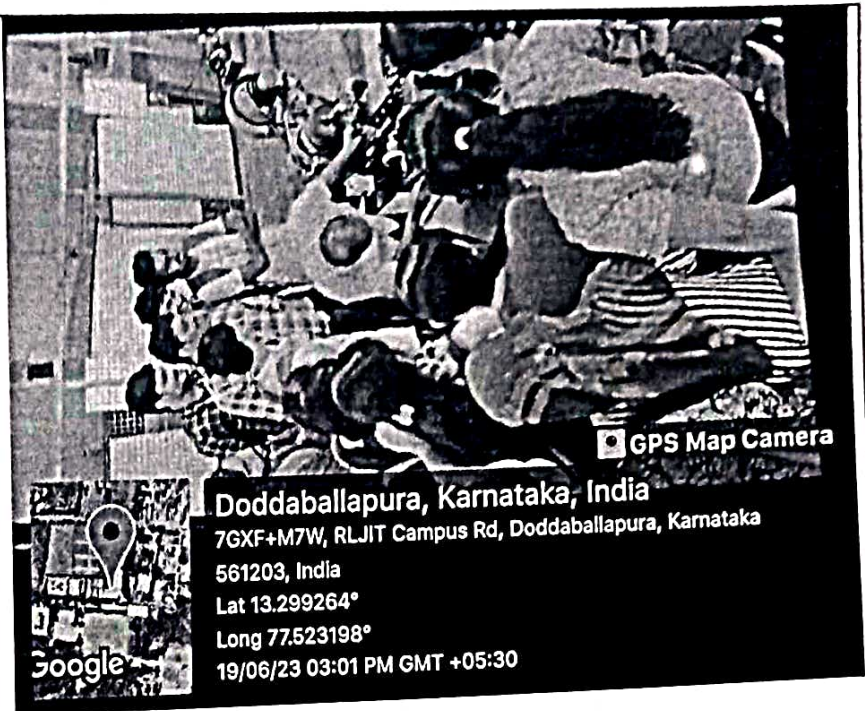
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DEPARTMENT OF MECHANICAL ENGINEERING

Date: 19/06/2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

AcademicYear	2022-23 EVEN
Subject Name and SubjectCode	SUPPLY CHAIN MANAGEMENT 18ME653
FacultyName	Prof. Nagesh H C
Semester	VI
Name of the Innovative Teaching Methods used	Concept of Physical Platform
Short Description of the Innovative Teaching Activity.	<p>The objective of conducting this Concept of Physical Platform is to one who gain, the broad knowledge about performance of machine tools in the area of supply chain management activities, through converting the raw material into finished products/goods.</p> <p>Concept of Physical Platform are intended to encourage practical learning methods, while also enhancing general knowledge. Students can "think outside the box" or from diverse perspectives by knowing live processing of conversions.</p>

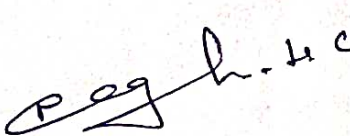
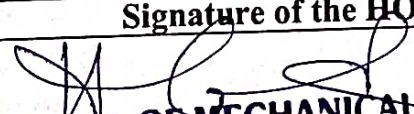


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561203, India
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561203, India
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Long 77.523238°
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Number of students got benefited.	35
Number of students involved in the activity.	35
Venue of the Activity	Machine shop
Schedule of the Event	19/6/2023
Whether the work can be Reproduced and Reviewed.	YES
Details are available in the college website.	YES
Contents of the Event	The Concept of Physical Platform Includes some of the topics given for the students are: <ul style="list-style-type: none"> • Quality check programs. • Maintenance of the log register books. • Process parameter of Warehouse management. • Technical Skills on alternative factors.
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.
Feed back from the students	Our students have expressed this Concept of Physical Platform Innovative Teaching Method is very interesting and they are understanding the concept very clearly.
Relevant PO and PSO	PO5, PSO2, PSO3
Any comments or Suggestions from the Programme Co-ordinator/ HoD	Suggested to continue the practice as and when necessary.


Signature of the Faculty	Signature of the HOD
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DEPARTMENT OF MECHANICAL ENGINEERING

Date: 19/06/2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

AcademicYear	2022-23 EVEN
SubjectNameandSubjectCode	FINITE ELEMENT METHOD / 18ME61
FacultyName	Prof. Vinay A N
Semester	VI
Name of the InnovativeTeachingMethodsused	Group Discussion and Get the Solution
Short Description of theInnovativeTeachingActivity.	<p>The objective of conducting this Group Discussion and Get the Solution event is to know the understanding level and the skills of students about their knowledge. The conducted event was Group discussion and gets the solution, where students should solve the problem by using the method and discussion and get the solution. The student will solve the problem on the black board.</p>  <p>Dargajohalli, KA, India Doddaballapur, Dargajohalli, 561203, KA, India Lat 13.299406, Long 77.523774 06/19/2023 10:09 AM GMT+05:30 Note : Captured by GPS Map Camera</p>

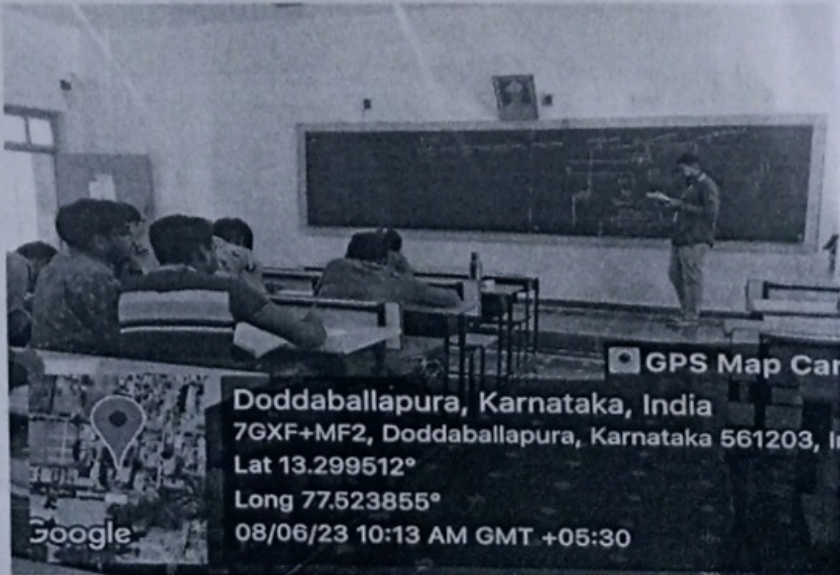


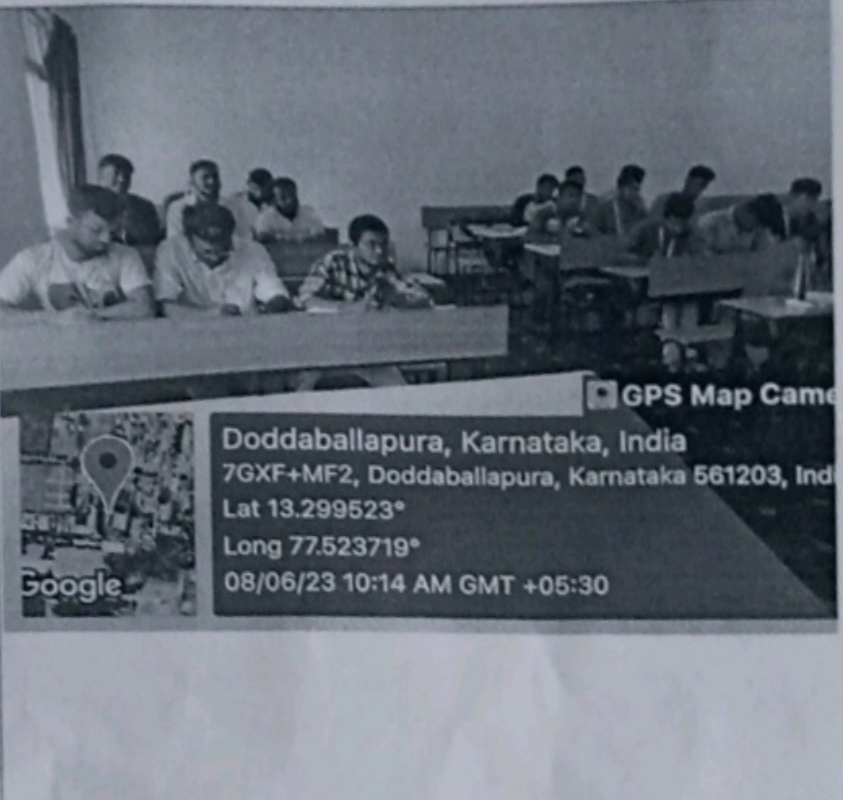
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DEPARTMENT OF MECHANICAL ENGINEERING

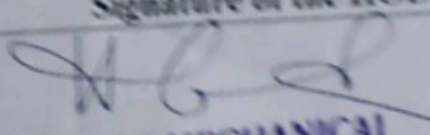
Date: 08/06/2023

DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

AcademicYear	2022-23 EVEN
Subject Name and SubjectCode	Non- traditional machining 18ME641
FacultyName	Shilpa T V
Semester	VI
Name of the Innovative Teaching Methods used	Quiz
Short Description of the Innovative Teaching Activity.	<p>The objective of conducting this Quiz event is to one gain a broad or specialized understanding of a subject.</p> <p>Quizzes are intended to encourage fun learning methods while also enhancing general knowledge. Students can “ think outside the box” or from diverse perspectives by participating in quiz tournaments.</p>  <p>Doddaballapura, Karnataka, India 7GXF+MF2, Doddaballapura, Karnataka 561203, In Lat 13.299512° Long 77.523855° 08/06/23 10:13 AM GMT +05:30</p>

	 <p>GPS Map Camera Doddaballapura, Karnataka, India 7GXF+MF2, Doddaballapura, Karnataka 561203, India Lat 13.299523° Long 77.523719° 08/06/23 10:14 AM GMT +05:30</p>
Number of students got benefited.	21
Number of students involved in the activity.	21
Venue of the Activity	Class room
Schedule of the Event	8/6/2023
Whether the work can be Reproduced and Reviewed.	
Details are available in the college website.	
Contents of the Event	<p>The event contains the Quiz activity and the some of the topics given for the students are:</p> <ul style="list-style-type: none"> • Electro chemical machining operation • Functions of electrolyte • Process parameter of ECM • ECM tooling technique • Electrolyte flow arrangement in ECM

	<ul style="list-style-type: none"> • Economics of ECM • Metal removal rate in ECM
Impact Analysis after using this Innovative Teaching Method used.	Our students have expressed this innovative Teaching Methods is very interesting and they can understand the concept very quickly.
Feed back from the students	Our students have expressed this quite Innovative Teaching Method is very interesting and they can understand the concept very clearly.
Relevance to PO and PSO	PO5, PSO2, PSO3
Any comments or Suggestions from the Programme Co-ordinator/ HoD	Suggested to continue the practice as and when necessary

Signature of the Faculty	Signature of the HOD
Shilpa T.	 H.O.D. OF MECHANICAL ENGINEERING R.K. Jaisankar Institute of Technology Kadlaghalli, Devulapalle - 507 208