



DTE Code: EN4139

Samridhi Sarwajanik Charitable Trust's JHULELAL INSTITUTE OF TECHNOLOGY

An Autonomous Institute affiliated to RTM Nagpur University

Department of Mechanical Engineering

Off Koradi Road, Lonara, Nagpur - 441111.

E-Mail ID: admin@jitnagpur.edu.in Website: www.jitnagpur.edu.in

Vision: The Mechanical Engineering Department strives for making thorough professionals who are employable through quality education.

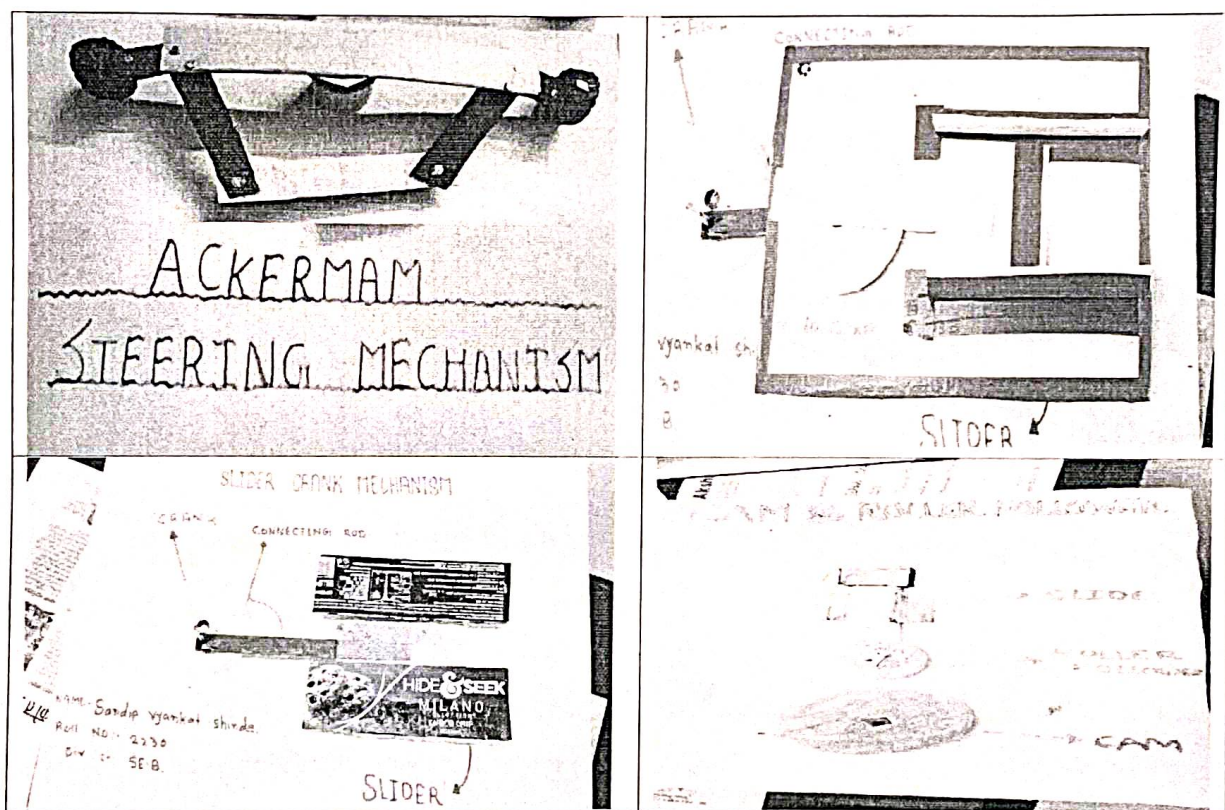


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Session: 2021-22

Hands on Model Making

Date and Time	13 JUL 2021, 01:00 am to 03:00 pm
Activity Name	Hands on Making Model/Prototype Mechanism
Subject	Kinematics of Machinery
Class	Second Year
Activity Type	Hands on Making Model/Prototype Mechanism
Objective	To make the students conversant with kinematic analysis of mechanisms applied to real life and industrial applications.
Outcome	Apply kinematic analysis to simple mechanisms, Students will able to learn to make model by using waste material



Subject Teacher

Dr. Sanjay Nikhade (KOM)

Head of Department

Prof. Prakash V Dhopte



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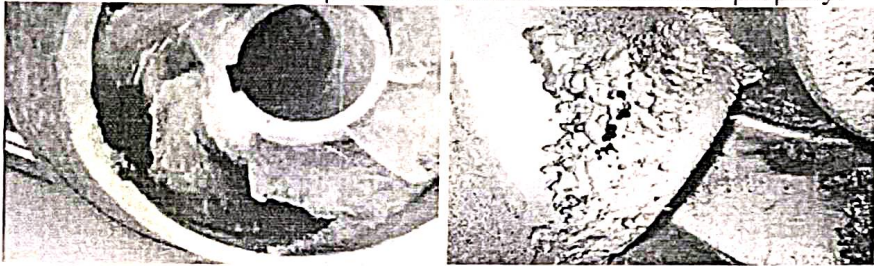
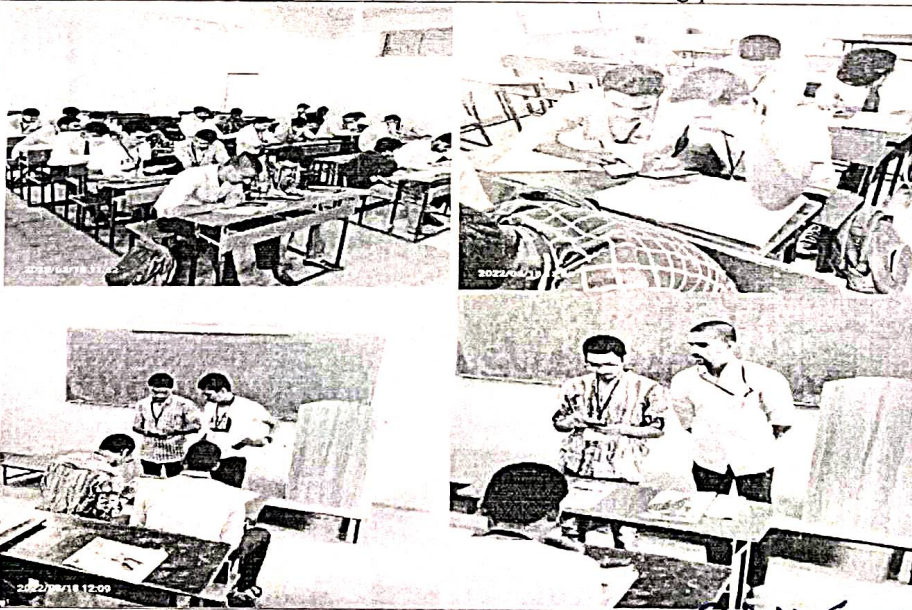
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Session: 2021-22

Think Pair & Share Work sheet

Date and Time	18 Mar 2022, 11:45 am to 12:45 pm
Activity Name	Think Pair & Share Work sheet
Subject	Fluid Mechanics
Class	Second Year
Description	Q.1 The condition in the picture is because of which fluid property.  Q.2. Justify your answer Q.3. Quote some practical applications, (when this situation arises)
What do I think about it ?	1. Vapour Pressure 2. This phenomenon is known as cavitation 3. For designing pumps carrying sand or slurries
What does my partner think?	1. Vapour Pressure 2. This is due to formation of bubble at low pressure 3. For designing pumps carrying oil and other refining products
What will we share	1. Vapour Pressure 2. This is due to formation of bubble at low pressure 3. For designing pumps carrying oil and other refining products
Evidences	

Rahul Waghmare
Subject Teacher
Rahul Waghmare (FM)

Prof. Prakash V Dhopte
Head of Department
Prof. Prakash V Dhopte



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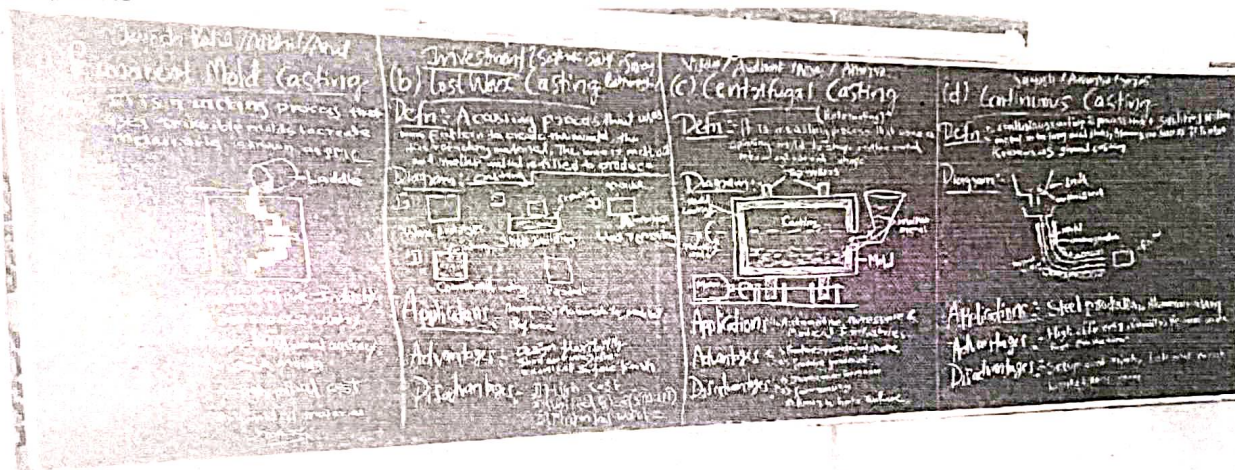
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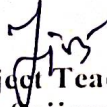
Session: 2021-22

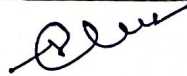
Four Board Method

Date and Time	25 Jan 2022, 02:00 pm to 04:00 pm
Activity Name	Four Board Method
Subject	MP
Class	Second Year
Activity Type	Four Board For Permanent Mould Casting, Investment Casting, Centrifugal Casting, Continuous Casting
Objective	To make the students work in team, enhancing their skills and knowledge
Outcome	Students ability to work in Team, Leadership Skill, Knowledge improved

Evidences




Subject Teacher
Sanjay Sajjanwar (MP)


Head of Department
Prof. Prakash V Dhopte



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Flip Classroom

Date and Time	21 Mar 2022, 02:00 pm to 04:00 pm
Activity Name	Flip Classroom
Subject	IE
Class	Fourth Year
Description	• Flip class room activity: in this activity YouTube video link of my channel shared to students through IE course WhatsApp group. • Instruction given to them to watch, write notes. • Instructions given to present / explain what you learned from video with your thought process in the classroom. <i>Value Engineering & Value Analysis</i> • Design Thinking: Value Engineering & Value Analysis? Part 1 https://youtu.be/my86PQ00QVo • Design Thinking: Value Analysis_ Vale, Cost & Function Part 2 https://youtu.be/TgLgyjPa-v8 • Design Thinking: Value analysis Steps in Value Analysis Part 3 https://youtu.be/JC48oFFEOQI
Objective	To make the students about teaching methodology and challenges in TL
Outcome	Students ability to analyze learning material, write on paper & Presentation & communication skill, Leadership Skill, Knowledge improved.

Evidences

The evidences section displays several screenshots of YouTube video thumbnails and titles. The thumbnails are arranged in a grid-like fashion. The titles include:

- Industrial Engineering Unit 2 Method Study Value Analysis & Value Engineering
- Design Thinking Value Engineering & Value Analysis? Part 1
- Design Thinking Value Analysis_ Vale, Cost & Function Part 2
- Design Thinking Value analysis Steps in Value Analysis Part 3
- Design Thinking Value Analysis Techniques & Case Study Part 4
- Design Thinking Value Engineering & Value Analysis? Part 1
- Design Thinking Value Analysis_ Vale, Cost & Function Part 2
- Design Thinking Value analysis Steps in Value Analysis Part 3
- Design Thinking Value Analysis Techniques & Case Study Part 4



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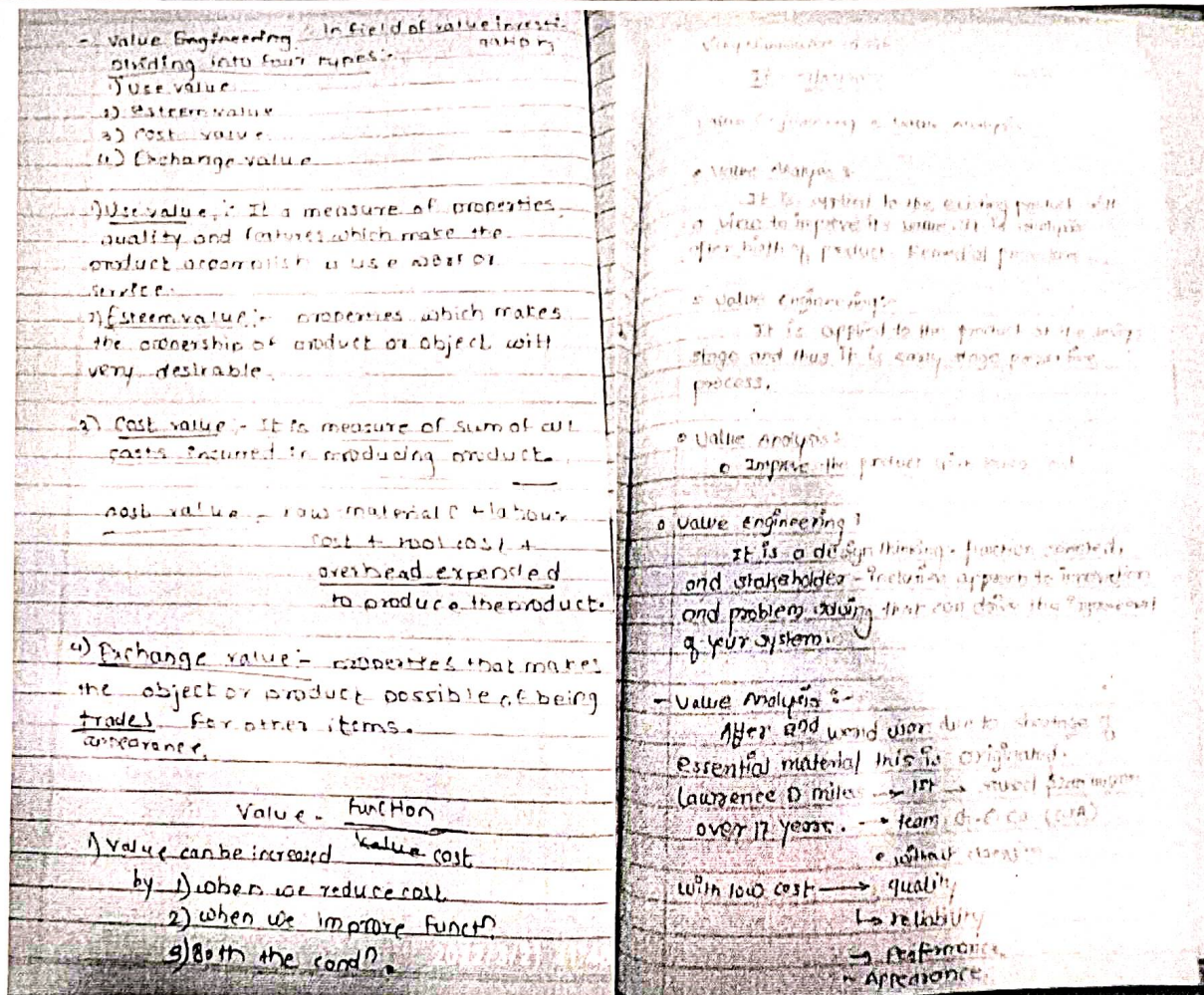
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Subject Teacher
Amar Kawale (IE)

Head of Department
Prof. Prakash V Dhopte



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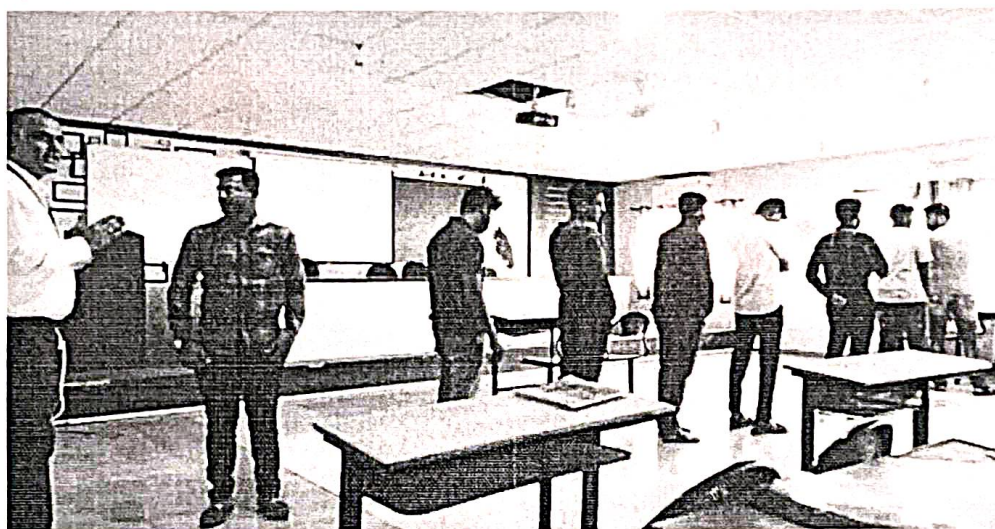
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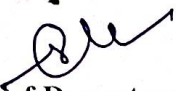
Role play or Game play activity

Date and Time	18 Feb 2022, 02:00 pm to 04:00 pm
Activity Name	Role play or Game play activity
Subject	Industrial Economics & Entrepreneurship Development
Class	Third Year
Description	Role play or Game play activity useful to learn Management function Communication
Outcome	Create interest with learning in theory concept understand easily

Evidences




Subject Teacher
Prakash Dhopte (IEED)


Head of Department
Prof. Prakash V Dhopte



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Game Pedagogy

Date and Time	10 Feb 2022, 02:00 pm to 04:00 pm
Activity Name	Game Pedagogy
Subject	Energy Conversion I
Class	Third Year
Description	Pedagogy is a term that refers to both the art and the science behind how educators teach. In the context of game-based learning, pedagogy involves integrating the principles of effective teaching and learning with the unique features of games, such as interactive storytelling, problem-solving challenges, and immersive environments, to create engaging and compelling learning experiences.
Outcome	The game based learning is more effective than traditional TL Method which have following results:- 1. Increase Engagement 2. Motivate with no risk 3. Improve performance and knowledge 4. Improve interaction with the students

Evidences

Cross Word

Snakes & Ladder

Rahul Waghmare
Subject Teacher
Rahul Waghmare (EC-I)

Prakash V Dhopate
Head of Department
Prof. Prakash V Dhopate