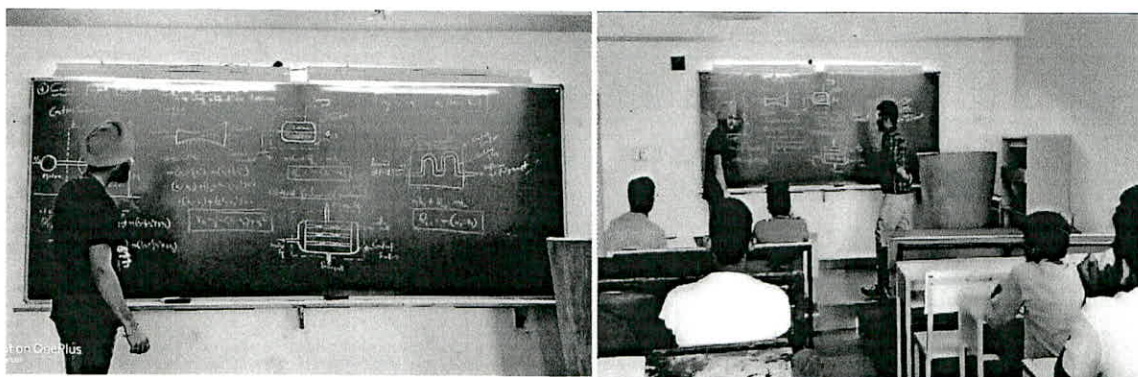


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DEPARTMENT OF MECHANICAL ENGINEERING

STUDENT CENTRIC ACTIVITY



Description:


Student explaining a concept in Basic Thermodynamics subject concept to his peers in class on 11.09.2019.

Teacher: Prof.Sanjay.H.M

Student: Amar Singh

Outcome:

Student Seminar in Class, Peer teaching, peer Learning, Communication, Experienced Learning, Participative Learning, teach others.



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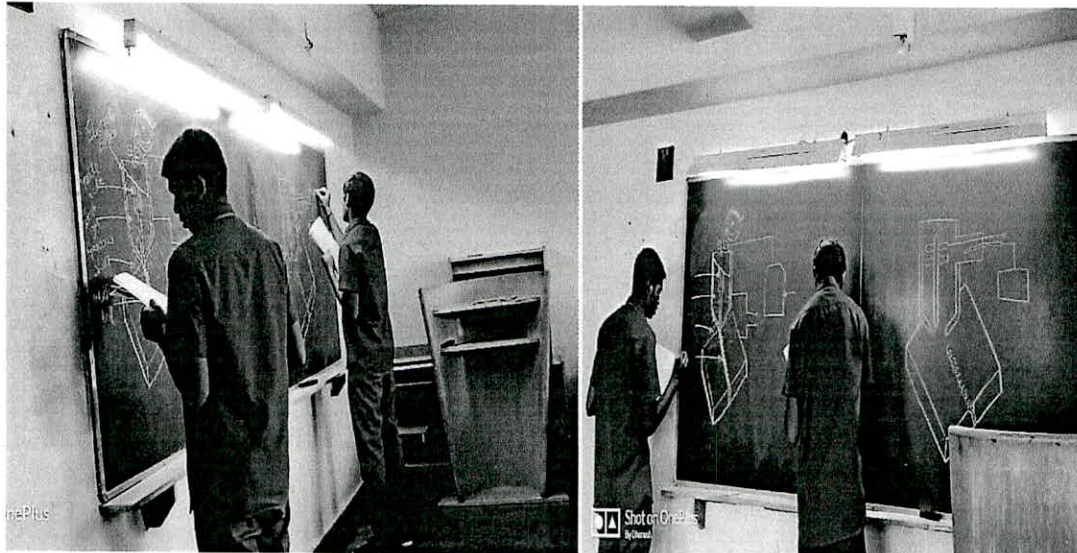
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DEPARTMENT OF MECHANICAL ENGINEERING

STUDENT CENTRIC ACTIVITY

Year: 2019-20



Description:

Student explaining Welding concept on board and taught others.

Subject: Metal Casting and Welding


Section: 3rd sem ME-B, Topic: Welding

Outcome:

- ✓ Student Seminar in Class
- ✓ Labeling a diagram
- ✓ Peer teaching, Peer Learning
- ✓ Communication skill
- ✓ Experienced Learning,
- ✓ Participative Learning.
- ✓ Teach Others

Teacher
Prof.Mahesh.S


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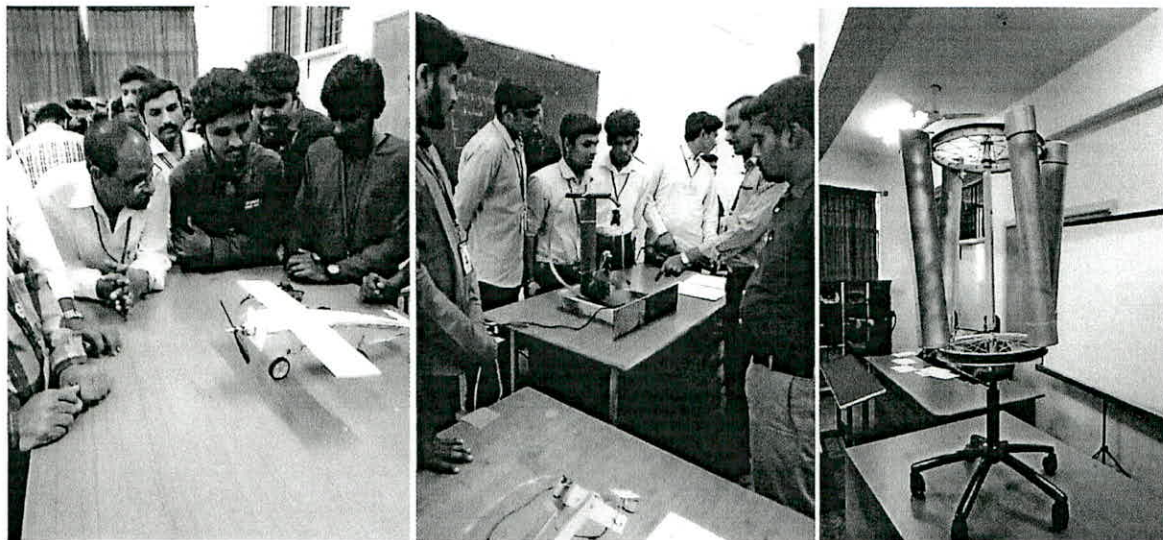
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DEPARTMENT OF MECHANICAL ENGINEERING

STUDENT ACTIVITY

MINI project



Date: November 28th 2019

Students were informed to make team and complete a mini project. Students completed and submitted report. A mini project exhibition was held for 2nd year and 3rd year students of Mechanical Engineering.

Outcome:

- ✓ Experienced Learning,
- ✓ Problem Solving,
- ✓ Participative Learning,
- ✓ Communication,
- ✓ Group Activity, Team work.
- ✓ Lifelong learning



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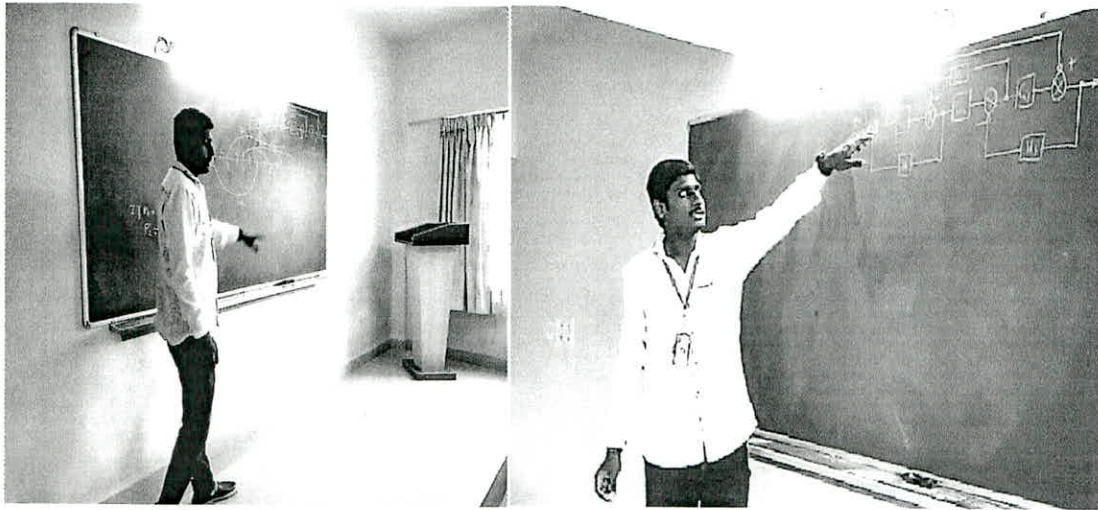
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DEPARTMENT OF MECHANICAL ENGINEERING

STUDENT CENTRIC ACTIVITY



Description:

Student explained Signal Flow Graph in Control Systems in Class. Student explained very clearly. His presentation was good.

Student: Shashank

Outcome:

Student Seminar in Class, Peer teaching, peer Learning, Demonstration, Presentation skills, Communication skills.



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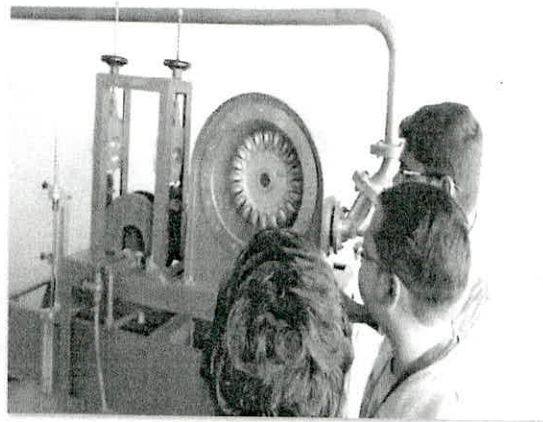
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DEPARTMENT OF MECHANICAL ENGINEERING

Teaching Learning Methods

PEER TEACHING/PEER LEARNING/ GROUP ACTIVITY/EXPERIENCED
LEARNING/PARTICIPATIVE LEARNING



A group of students explaining Pelton wheel and its applications.

Subject: Elements of Mechanical Engineering subject. They identified parts of Pelton wheel.


HOD

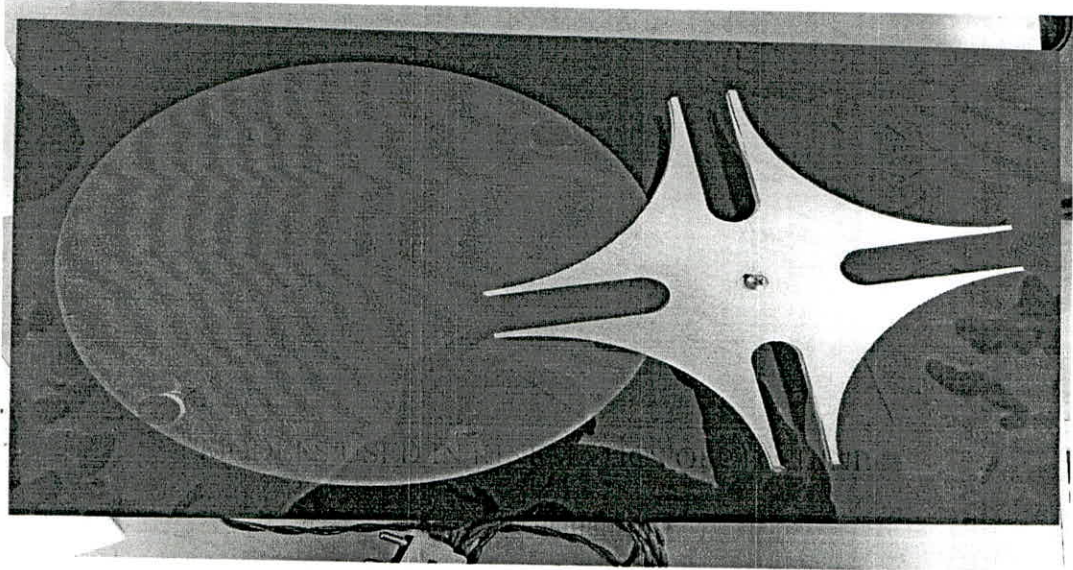
H.O.D. Dept. of Mech. Engg
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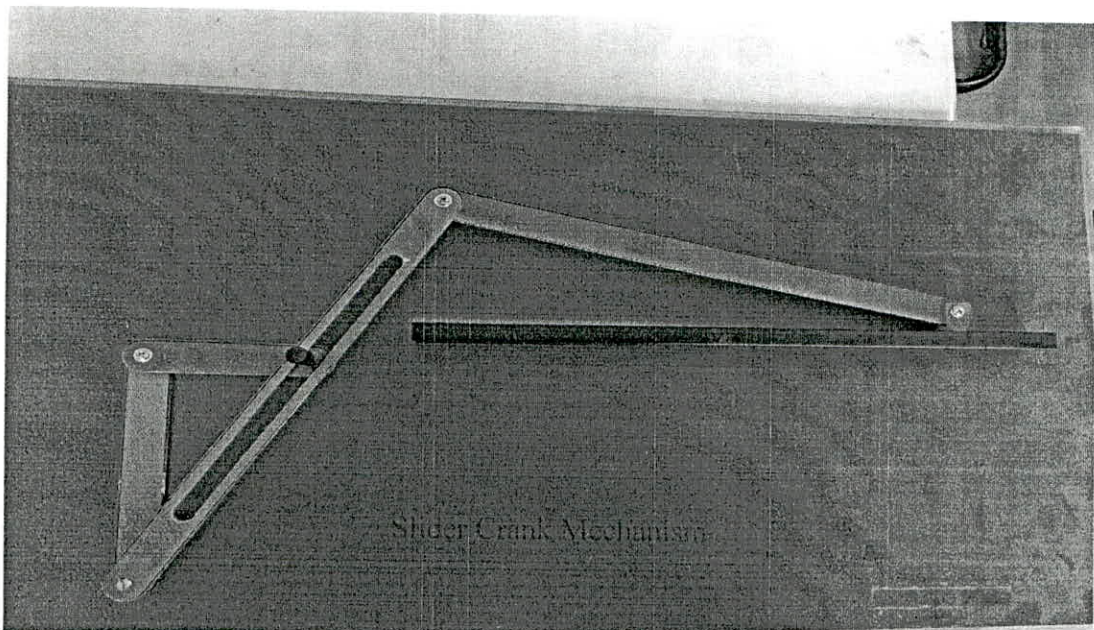
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MODELS USED IN KINEMATICS OF MACHINE

Geneva Mechanism



Slider Crank Mechanism



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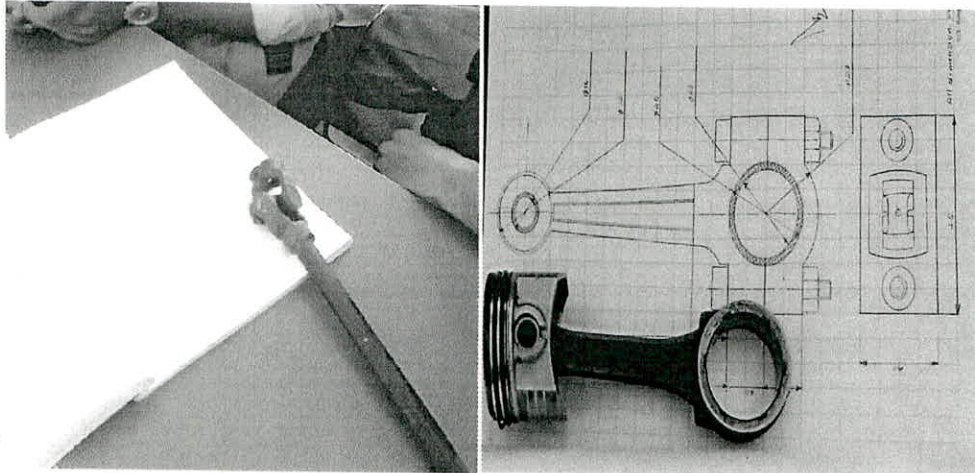
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DEPARTMENT OF MECHANICAL ENGINEERING



Teaching learning with models

2018-19



Description

Students learning about Connecting rod assembly and Hooks Joint in Computer Aided Machine Drawing Subject.

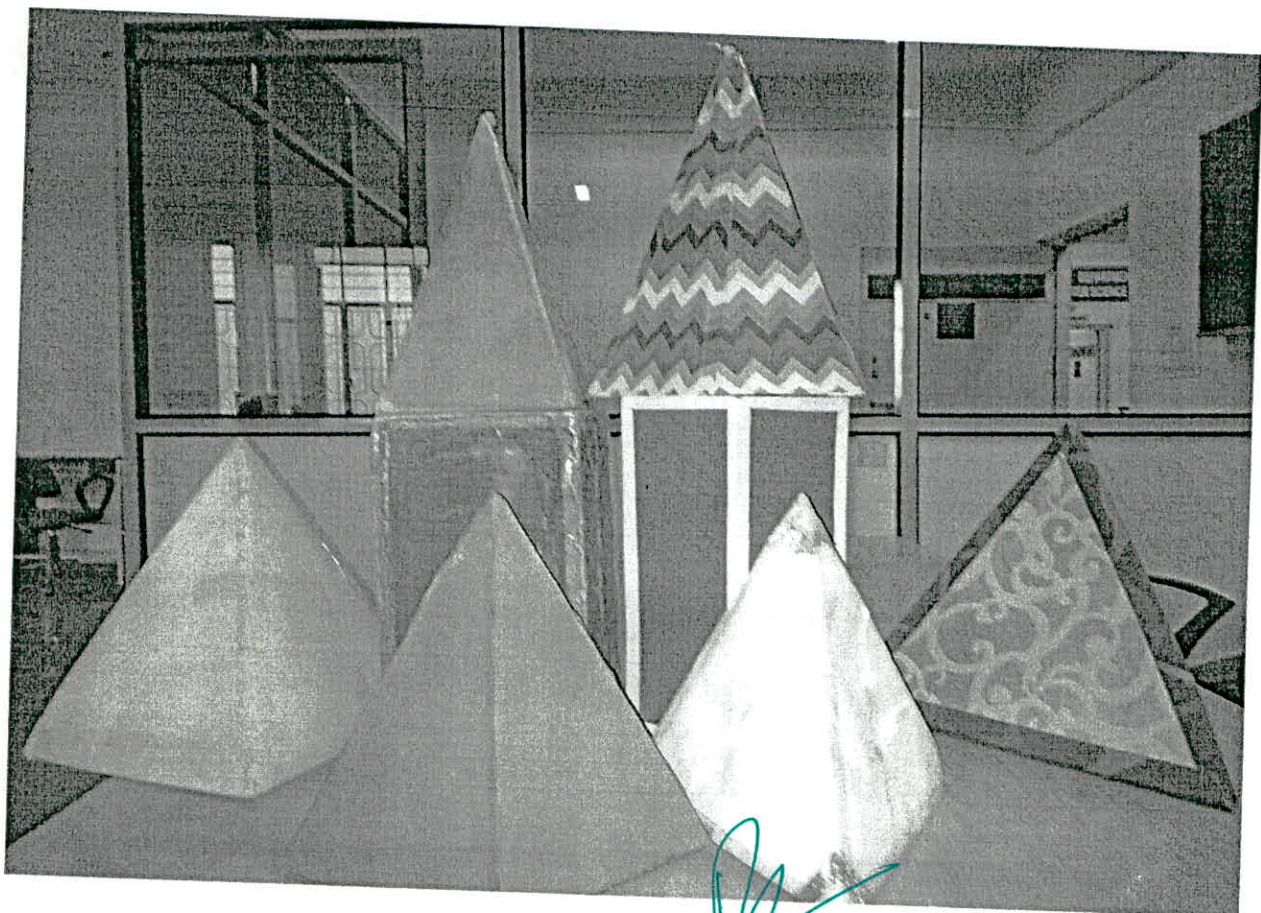
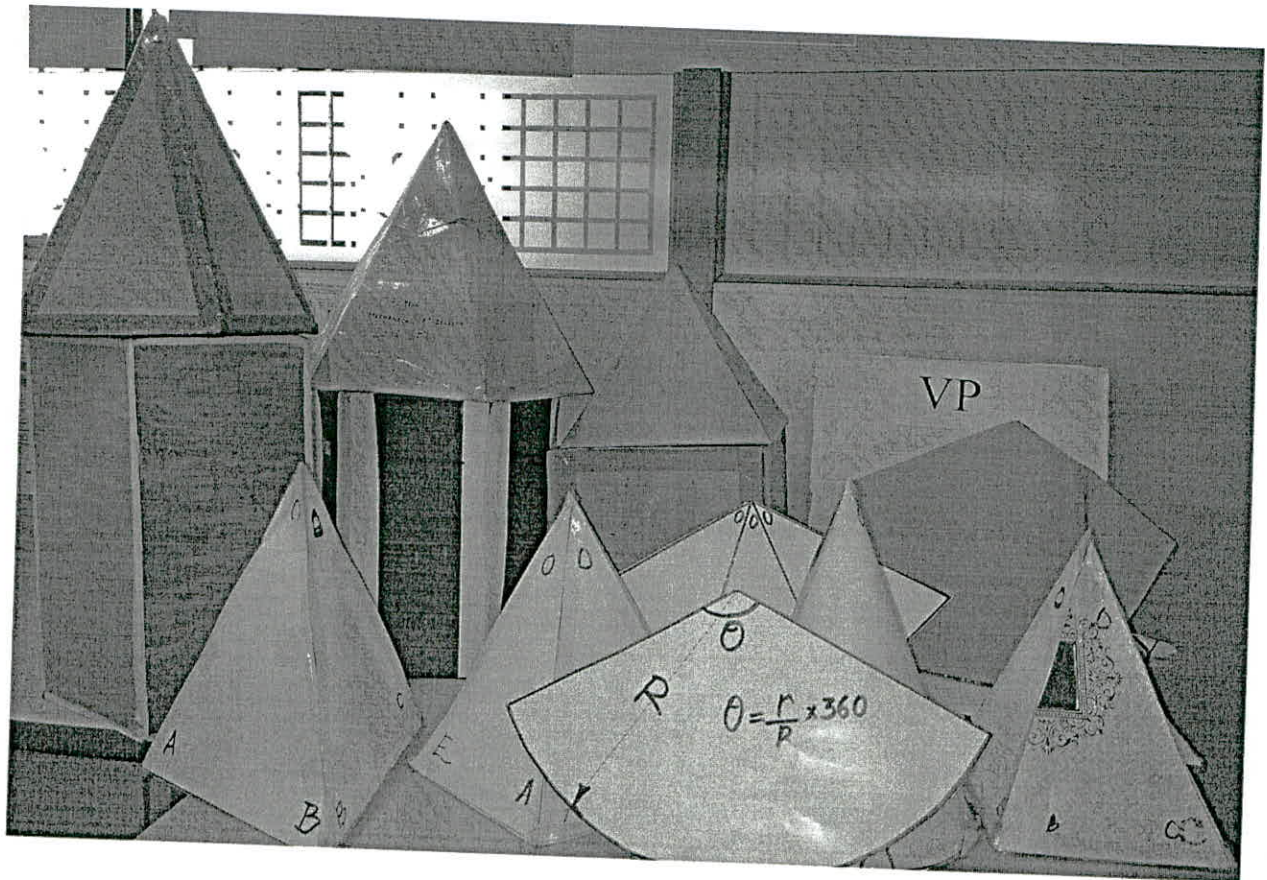
Experienced Learning, Participative Learning, Drawing, Team Work, imagination to hands on practice.


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Models used in Engineering Drawing



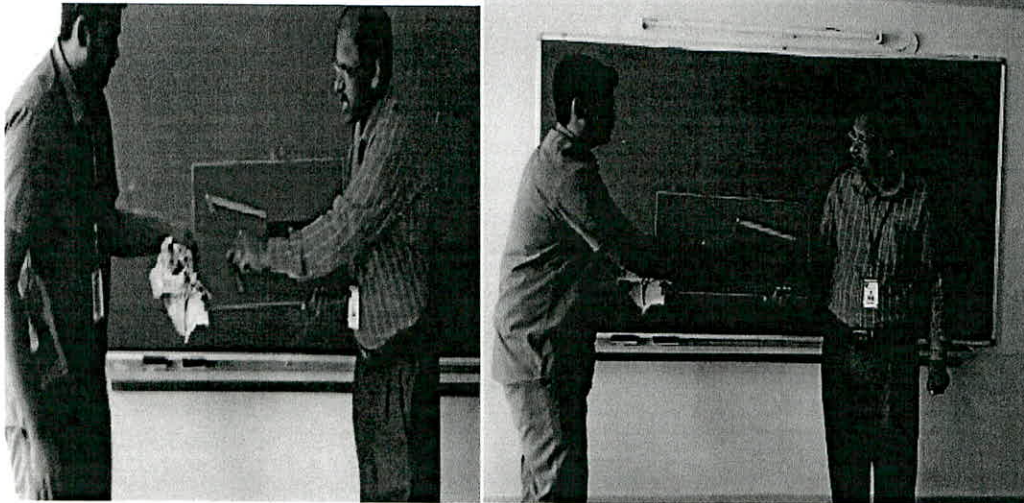
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STUDENTC ENTRIC ACTIVITY MODELS for TEACHING

2018-19




Dr. P.Mahadevaswamy, Head of Mechanical Engineering Department displaying model of quick return motion mechanism in KOM subject with help of a model prepared by a fast learner student.


Description:

Motions of mechanisms in the Kinematics of Machinery and Dynamics of Machines subject of Mechanical engineering are explained by showing the students the working model of simple mechanisms. Mechanism is the assemblage of linkages and various mechanisms put together becomes a machine. So every machine has many mechanisms and the working of mechanisms and the motions encountered in its links are important to understand. Models depict not only the types of motions but also how the velocity, acceleration and forces vary and students can feel the forces and visualize how the links are moving and how they work together to obtain motion to perform a desired work. The models displayed also helps in understanding the dynamics of the mechanism and applications where it can be used. Here the student's creative skills are improved as he can try making his own models and build mechanisms and also the thinking skills to improve the motions and enhance its performance in the project work.

Outcome:

Experienced Learning, Participative Learning, Model display, Peer Teaching, Peer Learning, Fast Lerner teaching, Curiosity Based learning, Life long learning.


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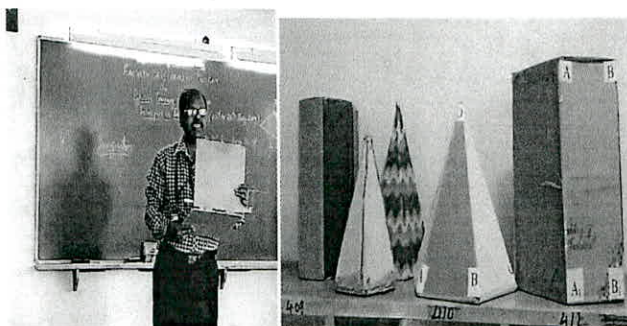
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DEPARTMENT OF MECHANICAL ENGINEERING

STUDENTC ENTRIC ACTIVITY

2018-19



Dr. P. Mahadevaswamy, Head of Mechanical Engineering Department displaying Engineering Graphics models

Description

Students of first year engineering are explained drawing subject by demonstrating the quadrants representation used in the of engineering drawing by showing them a wooden model with four plates hinged together and the three dimensional models of engineering drawing shapes like prisms, pyramids, cones in the form of cardboard handmade models of regular dimensions. The models are made by giving different colors and annotations to its edges and faces. Displaying the models to the students helps in easy visualization and enhances their imagination. These models help in imagination of size, shape, position of the features used in the drawing problems. They can visualize the visible and hidden edges, faces of the solid, locations, representations given a problem.

Outcome:

Experienced Learning, Participative Learning, Model display, Curiosity Based learning, Life long learning.



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DEPARTMENT OF MECHANICAL ENGINEERING

STUDENT CENTRIC ACTIVITY



Description


The crank lever used in milling or shaping machine is the machine element where it will be subjected to torsion and axial load is explained in detail in the class room for better understanding.

Subject: Design of Machine elements, 5A

Outcome:

Experienced Learning, Participative Learning, Models, Curiosity based learning.


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Department of Information Science and Engineering

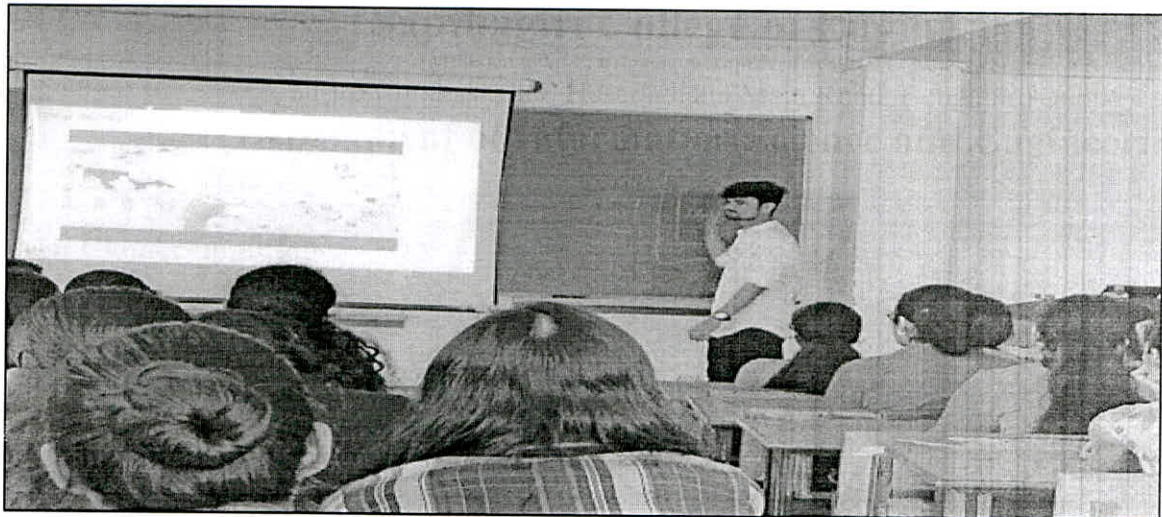
Subject: Cloud computing

Sem: 7th

Sec: B

Name of the Student: Praveen

Topic Name: Virtualisation in cloud



Student involving in Peer teaching and learning

Subject: Cloud computing

Sem: 6th

Sec: A

Name of the Student: Hina Hishrath

Topic Name: Security and Integrity in cloud.

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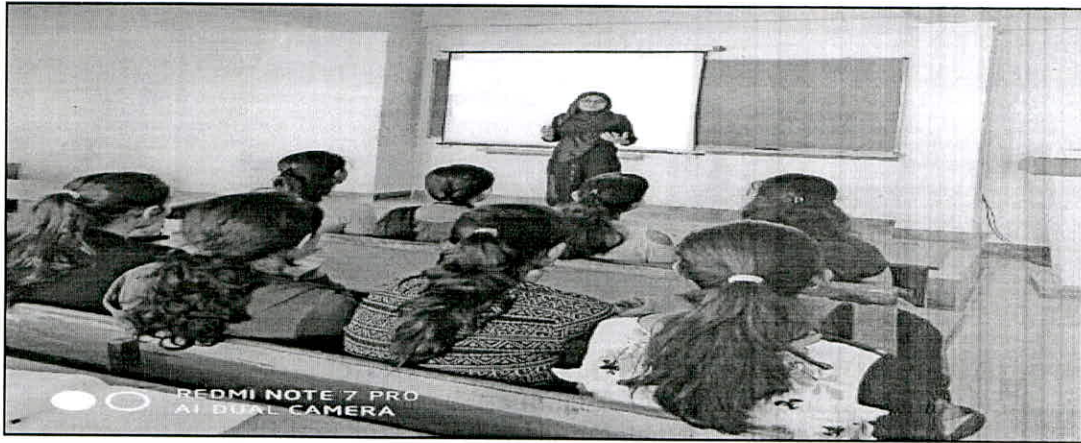


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Student involving in Peer teaching and learning

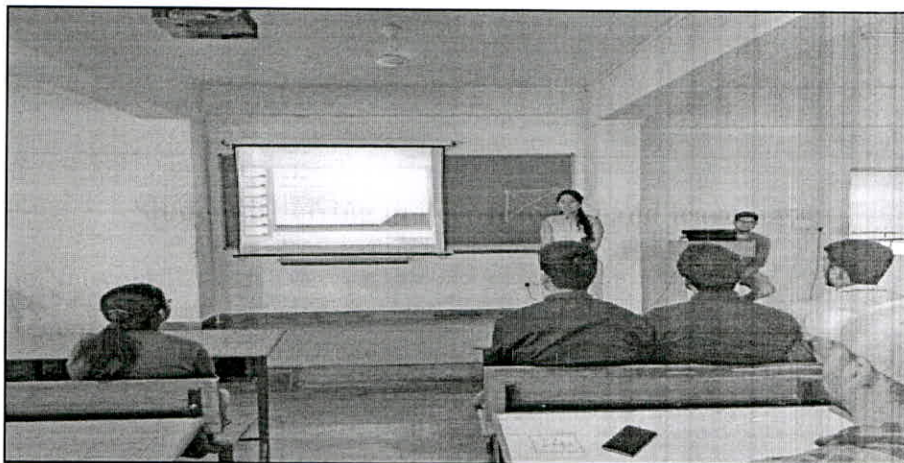
Subject: Adhoc Network

Sem: 8th

Sec: B

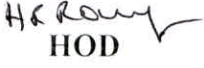
Name of the Student: Thejashree Makam

Topic Name: Routing Protocols



Student involving in Peer teaching and learning


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HOD
Dr. H.R. Ranganatha
Prof. & H.O.D
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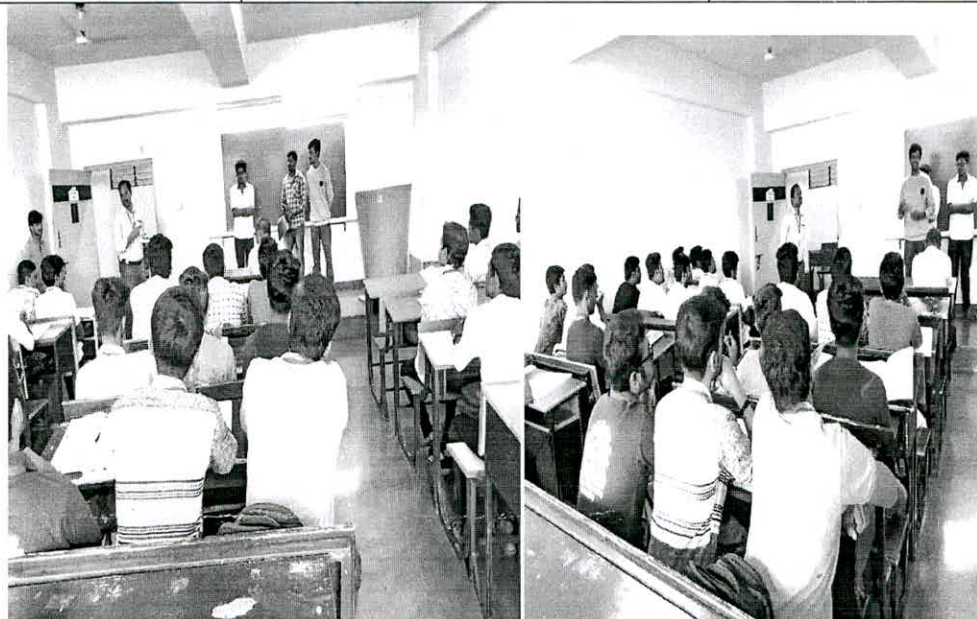
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PEER TEACHING/PEER LEARNING


Date of activity:

Experienced Learning	Participative Learning	Problem Solving
√	√	√



Description: KSCST and best projects won students explaining about their project experience to junior students and motivated them.

Peer Learning.


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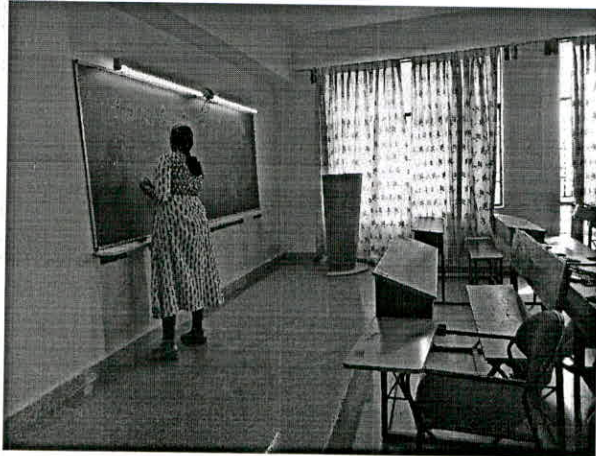
Subject: DIGITAL SIGNAL PROCESSING

Sem: 5

Sect: B

Name of Student: Priyanka R [1SG18EC069]

Topic name: FIR filter-



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