SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY
(Approved by AICTE, New Delhi / Affiliated to Anna University, Chennai / Accredited by NAAC)
(Accredited by NBA – ECE, EEE & MECH UG Programs)
Dindigul – Palani Highway, Dindigul 624 002

DEPARTMENT OF MECHANICAL ENGINEERING

Workshop
on
"Design of Transmission System"
Report

29.03.2023

III Year Mechanical Engineering
2020-24

29/03/23
Faculty In-charge

29/03/2023
HOD/Mech.

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Attn: 37 Students.

Staff i/c 29/03/23

HoD/Mech.,

Design of Transmission Systems (DTS) Workshop

Date of Lecture : 29.03.2023 (Wednesday)

Topic : Design of Transmission Systems

Year : Third year Mechanical Engineering (2020- 24)

Number students Participated : 37 Students

Design of Transmission Systems is Even Semester Regular subjects of Anna university syllabus, this subject very important for design of all components should include design for strength and rigidity apart from engineering performance requirements.

To design the engine parts like piston, connecting rod and analyze design procedure different loading conditions

To introduce the concept, procedures, and data to analyze machine elements in power transmission systems.

To apply principles of design and Analyze the forces in mechanical power transmission elements such gears

Implement basic principles for the design of power screws And the forces, couples, torques etc,

This workshop is useful for student will be able to:-

To understand the types belt drives and Select suitable belt drives and associated elements from manufacturers catalogues under given loading conditions to design the springs for different loading conditions

Calculate the design parameter for energy storage element and engine components, connecting rod and piston and elect appropriate gears for power transmission on the basis of given load and speed. Design gears based on the given conditions, apply the design concepts to estimate the strength of the gear & Analyze power screws subjected to loading.

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GLIMPSES OF THE WORKSHOP (DTS)

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DEPARTMENT OF MECHANICAL ENGINEERING

Workshop on

Design of Transmission System

Date of Lecture – 29.03.2023 (Wednesday)

FEED BACK FORM

DATE: 29.03.2023

Name of the Participant	S. KOWSHIK BALAJI

1. Response from the Lab in-charges (Please put ✔ mark)	☑ Excellent ☐ Good ☐ Average ☐ Poor
2. Quality of Workshop (Please put ☐ mark)	☑ Excellent ☐ Good ☐ Average ☐ Poor
3. Quality of Resource (Please put ✔ mark)	☑ Excellent ☐ Good ☐ Average ☐ Poor
4. Rank the Workshop (Please put ✔ mark)	☑ Excellent ☐ Good ☐ Average ☐ Poor
Comments / Suggestions (if any)	

S. Balaji

Signature of the Participant

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FEED BACK FORM

DATE: 29.03.2023

Name of the Participant	N. DEVA PRAKASH

1. Response from the Lab in-charges (Please put ✔ mark)	☑ Excellent ☐ Good ☐ Average ☐ Poor
2. Quality of Workshop (Please put ☐ mark)	☑ Excellent ☐ Good ☐ Average ☐ Poor
3. Quality of Resource (Please put ✔ mark)	☑ Excellent ☐ Good ☐ Average ☐ Poor
4. Rank the Workshop (Please put ✔ mark)	☑ Excellent ☐ Good ☐ Average ☐ Poor
Comments / Suggestions (if any)	

N. Deva Prakash
Signature of the Participant

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FEED BACK FORM

DATE: 29.03.2023

Name of the Participant	V. SIVAYOGIAPRABHU

1. Response from the Lab in-charges (Please put ✔ mark)	☑ Excellent ☐ Good ☐ Average ☐ Poor
2. Quality of Workshop (Please put ☐ mark)	☑ Excellent ☐ Good ☐ Average ☐ Poor
3. Quality of Resource (Please put ✔ mark)	☑ Excellent ☐ Good ☐ Average ☐ Poor
4. Rank the Workshop (Please put ✔ mark)	☑ Excellent ☐ Good ☐ Average ☐ Poor
Comments / Suggestions (if any)	—

V. Sivayogiaprabhu
Signature of the Participant

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DATE: 29.03.2023

Name of the Participant	S. Nithesh

1. Response from the Lab in-charges (Please put ✔ mark)	☑ Excellent ☐ Good ☐ Average ☐ Poor
2. Quality of Workshop (Please put □ mark)	☐ Excellent ☑ Good ☐ Average ☐ Poor
3. Quality of Resource (Please put ✔ mark)	☑ Excellent ☐ Good ☐ Average ☐ Poor
4. Rank the Workshop (Please put ✔ mark)	☐ Excellent ☑ Good ☐ Average ☐ Poor
Comments / Suggestions (if any)	

S. Nithesh.

Signature of the Participant