



**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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Staff i/c 29/03/23

Att: 37 students

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

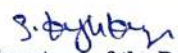
Date of Lecture – 29.03.2023 (Wednesday)

#### FEED BACK FORM

DATE: 29.03.2023

Name of the Participant	S. KOWSHIKBALAJI
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1. Response from the Lab in-charges (Please put ✓ mark)	<input checked="" type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Poor
2. Quality of Workshop (Please put □ mark)	<input checked="" type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Poor
3. Quality of Resource (Please put ✓ mark)	<input checked="" type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Poor
4. Rank the Workshop (Please put ✓ mark)	<input checked="" type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Poor
Comments / Suggestions (if any)	

  
Signature of the Participant





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#### FEED BACK FORM

DATE: 29.03.2023

Name of the Participant	N. DEVA PRAKASH
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1. Response from the Lab in-charges (Please put ✓ mark)	<input checked="" type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Poor
2. Quality of Workshop (Please put □ mark)	<input checked="" type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Poor
3. Quality of Resource (Please put ✓ mark)	<input checked="" type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Poor
4. Rank the Workshop (Please put ✓ mark)	<input checked="" type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Poor
Comments / Suggestions (if any)	

N. Deva Prakash  
Signature of the Participant



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DATE: 29.03.2023

Name of the Participant	V. SIVAYOGI PRABHU
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1. Response from the Lab in-charges (Please put ✓ mark)	<input checked="" type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Poor
2. Quality of Workshop (Please put □ mark)	<input checked="" type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Poor
3. Quality of Resource (Please put ✓ mark)	<input checked="" type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Poor
4. Rank the Workshop (Please put ✓ mark)	<input checked="" type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Poor
Comments / Suggestions (if any)	

*V. Sivayogi Prabhu*  
Signature of the Participant



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DATE: 29.03.2023

Name of the Participant	S. Nithesh
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1. Response from the Lab in-charges (Please put ✓ mark)	<input checked="" type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Poor
2. Quality of Workshop (Please put □ mark)	<input type="checkbox"/> Excellent <input checked="" type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Poor
3. Quality of Resource (Please put ✓ mark)	<input checked="" type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Poor
4. Rank the Workshop (Please put ✓ mark)	<input type="checkbox"/> Excellent <input checked="" type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Poor
Comments / Suggestions (if any)	

S. Nithesh.  
Signature of the Participant