



SETHU INSTITUTE OF TECHNOLOGY
(An Autonomous Institution| Accredited with 'A' Grade by NAAC)
PULLOOR, KARIAPATTI – 626 115.



DEPARTMENT OF MECHANICAL ENGINEERING

Activity Supports Employability/Entrepreneurship/Skill Development

Subject Code : 19PCD 518

Subject Name : Industrial Robotics and Expert Systems

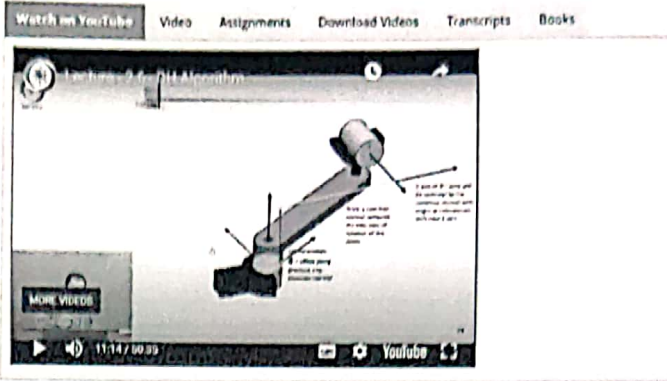
Activity Supports: The Video Lectures from NPTEL, would help the students to understand the Industrial Robot concept, & to support them in Employability.

Goal	To Create and implement an effective Teaching learning processes in a technology driven environment.	
Technique used	In Conventional teaching, the students are not able to learn beyond the syllabus concept. Therefore the NPTEL videos are more helpful to the students, to learn the concept of DH Algorithm & Manipulator Jacobian Statics	
Topic	DH Algorithm & Manipulator Jacobian Statics	
Type of Activity	Group Learning	
URL of the videos	https://nptel.ac.in/courses/107/106/107106090/	
In Class Activity	What Course Instructor Does	. Play the visualization
	What student Does	Listen, Observe the Topics
Description	The Learning of contents beyond syllabus such as - "DH Algorithm & Manipulator Jacobian Statics" would support them in Employability.	

SCREEN SHOTS:

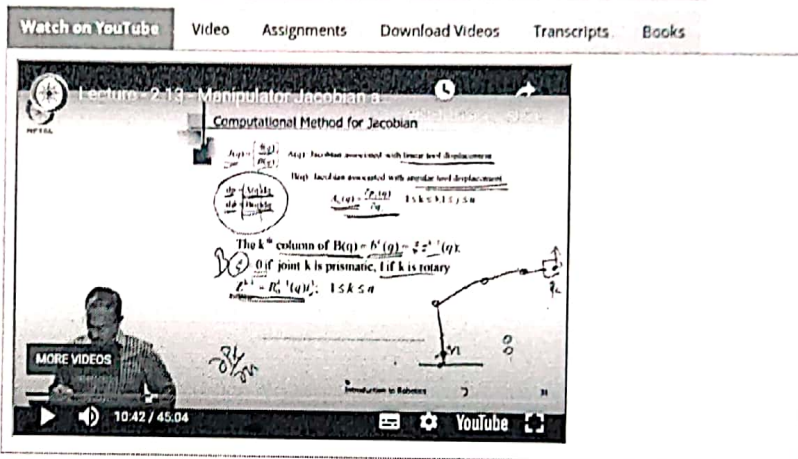
Courses Engineering Design NOC Introduction to robotics (Video) Syllabus Co-ordinated by : IIT Madras
 Available from : 2020-05-06 Lec : 8

Modules / Lectures
Intro Video
Week 1
Week 2
Industrial Robot Kinematic Structures
Robot Architectures
Kinematic Parameters
DH Algorithm
Week 3
Week 4



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Modules / Lectures
Intro Video
Week 1
Week 2
Week 3
Week 4
Inverse Kinematics- Examples
Differential Relations
Manipulator Jacobian and Statics
Week 5



Outcome

Students were easily understood the concept with the help of NPTEL video lectures from IIT's will make them more intellectual.

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