



# Rajarajeswari College of Engineering

(An Autonomous Institute, Affiliated Visvesvaraya Technological University, Belagavi)  
Approved by AICTE, UGC &GoK, Accredited by ISO 9001-2015 Certified Institution)  
Sponsored by: MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST



## Department of Robotics and Automation

### Faculty Skill Enhancement Activity

NAME OF THE DEPARTMENT: Department of Robotics and Automation

1. Type of Event : Webinar on Circuit Design & Simulation of Electro-Hydraulics

2. Date of the programme : Tuesday, 14<sup>th</sup> January 2025

3. Faculty member attended : Dr.M.Karthikeyan,  
Dy. CoE and Professor  
Department of Robotics and Automation  
Rajarajeswari College of Engineering  
Bengaluru 560074

4. Gained the knowledge on

- Electro-Hydraulic Circuit Design
- PLC control
- Manufacturer's catalogue
- Illustrated library
- Sectional Components
- Hydraulics Virtual Trainer kit
- Technical Training Material (Teachware)



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## Department of Robotics and Automation

### Webinar on Circuit Design & Simulation of Electro-Hydraulics

**Famic Technologies Inc.**

### Agenda

- Electro-Hydraulic Circuit Design
- PLC control
- Manufacturer's catalogue
- Illustrated library
- Sectional Components
- Hydraulics Virtual Trainer kit
- Technical Training Material (Teachware)
- Demo files – Industrial Hydraulics
- Q&A

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### Topics covered during the webinar on Circuit Design & Simulation of Electro-Hydraulics

**AUTOMATION STUDIO** | Digital Twin of Your Own Equipment

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- Duplicate your hardware equipment virtually
- Change properties or create faults for troubleshooting
- Ease transition from theory to practice

### Simulation and Analysis of Electro-Hydraulics Circuit Design using Automation Studio

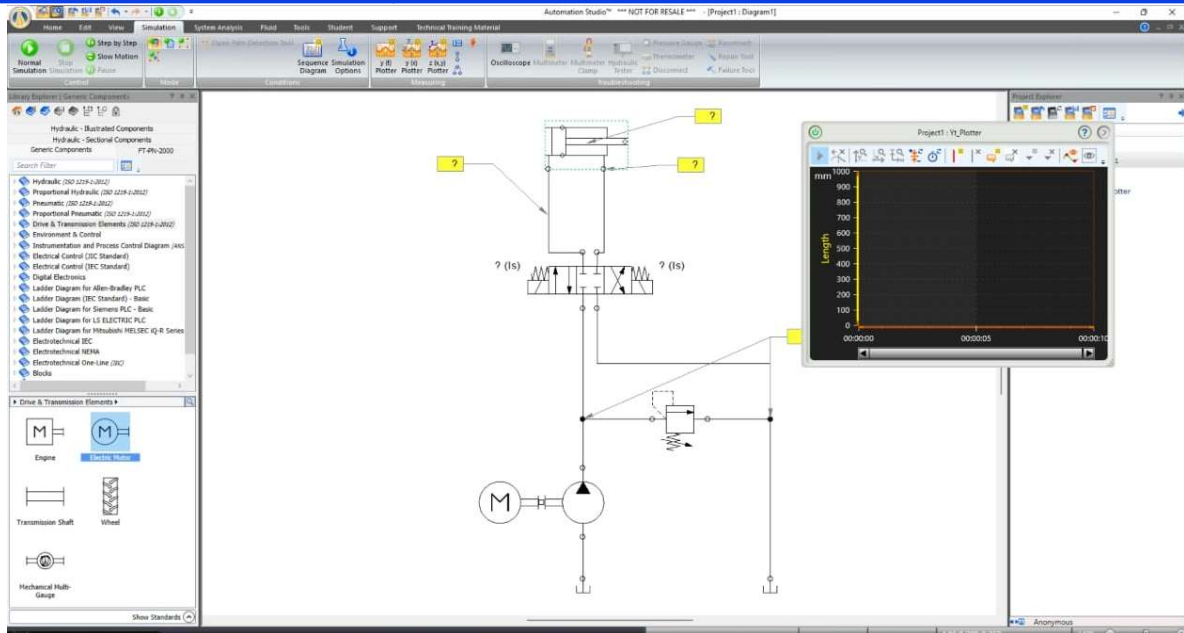


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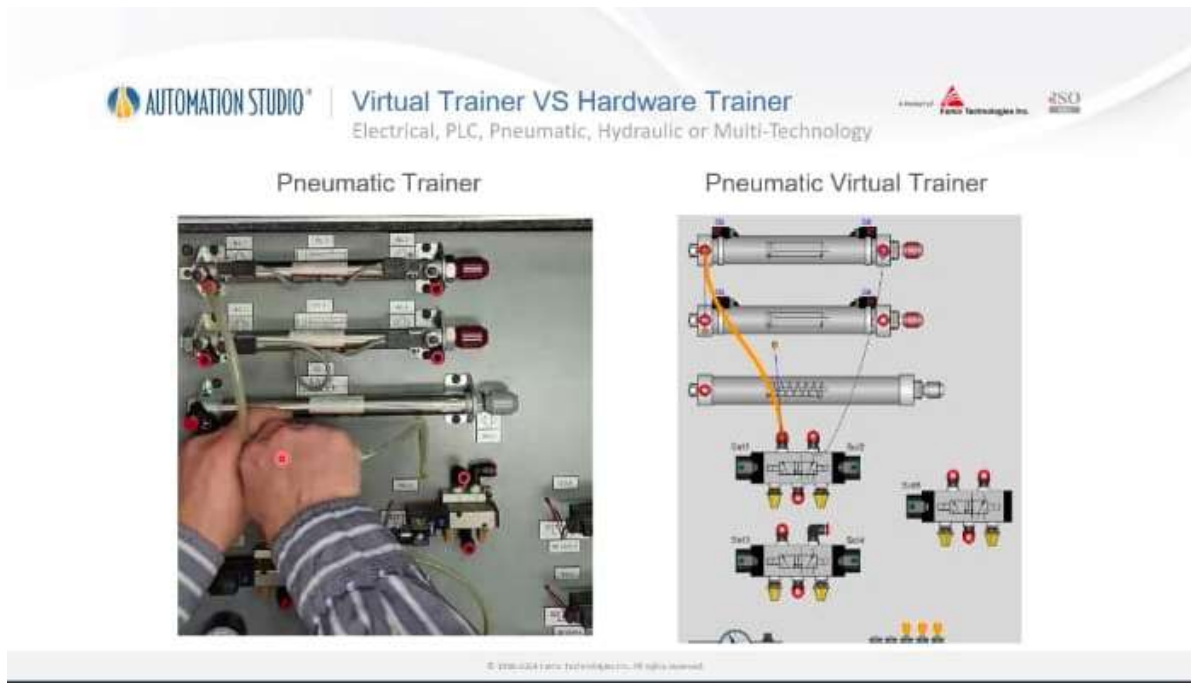
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## Department of Robotics and Automation



Simulation and Analysis of Electro-Hydraulics Circuit Design using Automation Studio



Demo on Virtual trainer and hardware trainer  
-Report prepared by Dr.M.Karthikeyan, Dy. CoE and Professor, R&A

# CERTIFICATE

*PROUDLY PRESENTED TO*

**Dr Karthikeyan M**

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Circuit Design & Simulation of Electro-Hydraulics

Jan 14, 2025

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Date of Completion

Automation Studio™ Webinar

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Organizer

