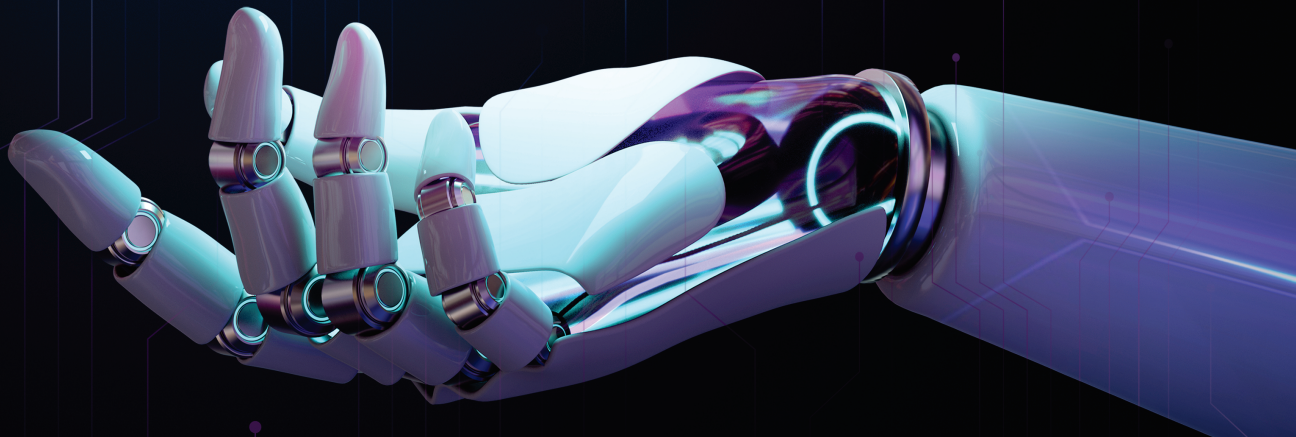


An Internship on Industrial Automation & Robotics (A Leap Towards Industry 4.0)

Organized by: Centre of Excellence–Industrial Automation & Robotics (COE-IAR), Department of Mechanical Engineering,
DIT University, Dehradun, Uttarakhand.

Registration Starts from : 20th May 2023 | Commencement of Training : 5th June 2023



■ Pre-requisite

- General technical ability
- Participants must be from an engineering background (B Tech. / Diploma / ITI)

■ The training shall cover the following dimension of Industry 4.0

- Industrial Hydraulics
- Industrial Pneumatics
- Sensor Technology
- PLC with IIOT
- Six Axis Industrial Robot

■ Training Outcomes:

- Develop the ability to select correct components for various pneumatic & hydraulic application.
- Read, design, assemble and test basic pneumatic & hydraulic circuits.
- Develop troubleshooting skills to identify component malfunctioning and maintain pneumatic/ hydraulic in basic control system.
- Awareness on the application of advanced pneumatics & hydraulic in automation technology.
- Identify graphical symbols and develop troubleshooting abilities of pneumatic /hydraulic circuits
- Read, develop and troubleshoot sequential multi cylinder pneumatic/hydraulic circuits.
- Identify signal flow and managing control signals.
- Set up systems in accordance with circuit diagram basic hydraulic controls.
- Read, design, assemble and test basic electro-hydraulic/pneumatic circuits.
- Develop troubleshooting abilities on electro-hydraulic/ pneumatic components used in basic control systems.
- Interfacing sensor and IIoT based sensors
- Industrial Robot programming and controlling

■ Key Highlights

- Lectures by industry experts from HYDAC-Germany.
- Customized training as per the requirement of B.Tech. / Diploma / ITI program.
- Joint certification by DIT-U & HYDAC-Germany

■ Details of the training:

- Duration: 1 month (2 Hrs. per day)
- Cost: INR 4,000* per student
- Maximum Participant: 30 Candidates per batch

**25% discount for DITU Students.*

Registration Link:

<https://forms.gle/jUwxpsCkjudEjnd9>

**Registration fee will be collected at the time of commencement of training.*



Scan to register

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