

# CERTIFICATE COURSE ON "BASIC OPERATION & MAINTENANCE OF ROBOTICS & AUTOMATION With Hands-on Practicals"

STARTING FROM  
6th Feb 2023

## Organized by

JANYU TECHNOLOGIES PVT LTD  
And  
MANIPAL ACADEMY OF HIGHER  
EDUCATION (MAHE)



## ORGANIZING COMMITTEE

### Chief Patron

Shri Abhimanyu Raja  
Managing Director, Janyu Technologies  
Pvt Ltd.

Dr. D.V. Kamath, Prof & Head,  
Dept of Mechatronics Engg, MIT.

### Patrons

Shri Rajesh Modgekar  
Dr. T. Sentthil Vinayakam,  
Shri Sivakumar.N.  
Janyu Technologies Pvt Ltd.

### Convener & Coordinator

Ms.Kajal Dadas

## VENUE

Janyu Technologies,  
Unit 1& 2, Dhuri Industrial Complex  
No.1 ,Madhu Vrinda Phase I ,  
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## CONTACT US

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# JANYU TECHNOLOGIES PVT LIMITED

Janyu Technologies Pvt. Ltd. is engaged in design, development, manufacture, supply, installation and commissioning of Robotic solutions & Industrial Automation systems in various industrial sectors i.e. Pharma, Healthcare, F&B, FMCG, Engineering, Automotive, Defense, Aerospace, Frozen Foods, E-commerce industries etc.

JanyuTech believes that technology when customized as per client's need and made affordable with a concern for human beings will result in sustainable growth and healthy ecosystem. Acquiring semi-skilled labour in the non-core areas as listed below has become a challenge for most industries. Janyutech specializes in automating these manual activities and taking away your daily struggle.

Our Automation solutions include

Complete Line Automation

Material Handling

Smart Conveyors

Gantry Systems

Warehouse Automated Storage solutions

Robotic Arrangement

AMR/AGV

Special Purpose Machines

# MANIPAL ACADEMY OF HIGHER EDUCATION (MAHE)

MAHE, an Institute of Eminence and deemed-to-be-University, is a leading university with extensive technical and professional expertise and facilities to provide education, training and conduct research in various fields, including Medicine, Dentistry, Pharmacy, Allied Health, Engineering, Information Science, Nursing, Media & Communication, Management, Life Sciences, Hotel Management, Regenerative Medicine etc.

# JANYU-MAHE JOINT VENTURE IN ROBOTICS

JanyuTech and Manipal Academy Of Higher Education-MAHE have signed an MOU and jointly ventured in the Robotics domain with multiple objectives of

1. Establishing a MAHE-Janyu Tech Centre for Robotics
2. Conduct Recognized Certificate Courses in Robotics and Automation at two levels such as Design & Engineering level as well as operator level.

## NEED FOR THE COURSE

Robotics and Automation field plays a significant part in improving efficiency on operation, protect the safety of personnel, improve productivity significantly and reduce process time drastically.

A Robotics revolution is catching up fast in Indian industries. JANYUTECH and MAHE believe that with the fast-changing technology adaption in the Industry in line with the Industry 4.0, there is a tremendous scope for Robotics in the Industrial Automation area.

Looking at the Global statistics of use of Robotics in the industry, which is going to be increasing multi-folds, year on year, both the Parties believe that there will be huge demand for skilled manpower to operate the Robotic Automated Systems.

In order to fulfil this skilled manpower requirement of Industry both Parties have decided to introduce a Trade Certification Course, namely - Certificate Course On "Basic Operation & Maintenance Of Robotics & Automation"

## PREFACE ABOUT THE COURSE

While the workforce is mostly not knowledgeable about the fundamentals of Robotics / automation.

Industries which are introducing Robotics and Automation in their factories/ units find not much improvement in the productivity due to poor knowledge of the operators and technicians in Robotics and hence they are not able to fully attain the possible productivity goals.

This course is aimed to just fill this critical knowledge and skill gap faced by Industries in India.

This course will introduce candidates right from basics of Robotics and Automation to their practical applications with hands on experience.

Finally it is a certified course which adds value to individual as well.

## RESOURCE PERSON

This course will be conducted by Professionals and experts in this field who are working in the Robotics and Automation industry for years.

## ELIGIBILITY AND SELECTION OF PARTICIPANTS

Candidates from following fields/institutions are eligible to participate:

Students of ITI, Diploma courses , BE/ BTech,

Technicians and field engineers from any process / manufacturing Industry are eligible for participation. The total intake is limited and selection will be based on a first come first served basis.

## COURSE TOPICS

- Introduction to Robots
- Power supply and Cabling
- Introduction to PLC
- Programming of PLC
- System Overview
- Hardware
- Introduction to Sensors
- Safety
- Introduction to Robotic Arm Teach pendant
- Basic Programming
- Maintenance For Robotics
- Introduction to Mobile robot
- Advance Programming

### Schedule:

Batch-1: Weekend Batch: 2 hours on Saturdays and 4 hours on Sundays: For 7 weeks: Total 42 hours.

Batch-2: Week days batch: 2 hours per day x 4 days per week For 6 weeks: Total 40 hours.

Classes on Weekdays and Saturdays will be held in the evenings. Sunday classes will be held in the morning.

Note: Both the batches' schedules are suited for part time candidates.

### How to Apply : [Register Here](#)

Participants may apply by submitting the scanned copy of the filled-in registration form (attached with this brochure) by Email to [roboacademi@janyutech.com](mailto:roboacademi@janyutech.com) on or before 6th Feb, 2023. The number of participants is limited to 30. All registered and approved/accepted candidates will be eligible to participate. Registration charges are nil.

### Course Fees

- Students 5000/- + GST (Discount Price)
- Others - 7500/- + GST

### Accommodation and Transport

Candidates will have to make their own arrangements for accommodation and transport to the venue.