

## Internship Training Programme

(Affiliated/ Autonomous/ Constituent Colleges)

### REGISTRATION FORM

Student's Name:

Department/USN:

College:

Address for Correspondence:

Mobile:

E-Mail:

Tick for the Requirement of Accommodation – YES / NO

### Declaration by the Applicant

If selected, I agree to abide by the rules and regulations of the Internship Training Programme and shall attend all the sessions compulsorily.

Name of the Coordinator:

Signature of the Applicant

Recommended and Forwarded by the  
Head of Institution.

Signature of the Head of the Institution

### CHIEF PATRON

**Dr. S. Vidyashankar**

Hon'ble Vice Chancellor, VTU, Belagavi

### PATRONS

**Dr. B.E. Rangaswamy**

Registrar, VTU, Belagavi

**Dr. T.N. Sreenivasa**

Registrar, (Evaluation.), VTU, Belagavi

**Smt. M.A.Sapna**

Finance Officer, VTU, Belagavi

**Dr.T.P.Renukamurthy**

Regional Director  
VTU-Regional Office, Mysuru

**Dr. R. Suresh**

Special Officer, VTU Bosch Rexroth Training Centre, Mysuru

### ORGANISING COMMITTEE

1. **Dr. M. Prasanna Kumar Programme Coordinator,**
2. **Dr.S.B. Prakash, Professor**
3. **Dr. Krishnamurthy K N Asst. Professor**
4. **Dr. M.S. Vinod Kumar Asst.Professor**
5. **Mr. Ganesha T Asst.Professor**  
Department of Mechanical. Engineering,  
VTU- CPGS, Mysuru.
6. **Mr. Madappa .L Assistant, VTU Bosch Rexroth**  
Centre, Mysuru
7. **Mrs. Deborah Stanley, Assistant Technician, VTU**  
Bosch Rexroth Centre, Mysuru
8. **Mr. Ravikumar A.R VTU Bosch Rexroth Centre,**  
Mysuru

### PROGRAMME COORDINATOR

**Dr. R. Suresh,** Special Officer,

VTU Bosch Rexroth Training Centre, Mysuru

## Internship Training Programme

on

## Industrial Automation

(Four weeks)



### Organized By:

VISVESVARAYA TECHNOLOGICAL UNIVERSITY  
BELAGAVI

**BOSCH-REXROTH**

**CENTRE OF COMPETENCE IN  
AUTOMATION TECHNOLOGY, MYSURU**

### Venue:

VISVESVARAYA TECHNOLOGICAL UNIVERSITY  
**BOSCH REXROTH**

**CENTRE OF COMPETENCE IN  
AUTOMATION TECHNOLOGY, MYSURU**

## About the VTU

Visvesvaraya Technological University (VTU) named after Bharat Ratna Dr. Sir M. Visvesvaraya established on 1<sup>st</sup> April 1998, as per the VTU Act 1994 of the Government of Karnataka. University has been established by the Government of Karnataka in order to promote planned and sustainable development of technical education has its Head Office located at Belagavi in the State of Karnataka. Reckoning the fact that, University, is a seat of confluence of knowledge and as a Technological University, Visvesvaraya Technological University, does not restrict itself only to curricular activities but emphasizes on the overall growth of knowledge in society and hence its campus in Belagavi is named aptly as "Jnana Sangama". The University has jurisdiction over the whole state of Karnataka. VTU has established four regional centers at Bengaluru, Mysuru, Kalburgi and Belagavi for administrative convenience. VTU is one of the prestigious and largest Technological Universities in India having affiliation of 150 Engineering Colleges and 25 Autonomous Colleges and one Constituent College.

VTU is imparting Technical Education to more than lakh students under its 35 Undergraduate & 94 Postgraduate Programs. VTU is offering Doctoral Programs in 865 Departments in various affiliated Colleges which have been recognized as research centers. Around 5000 Research Scholars are perusing for Doctoral and M.Sc. (Engg.) by Research Programs. VTU has established full-pledged Centres for Post Graduate Studies at Muddenahalli, Kalburgi, Belagavi and Mysuru.

## About the VTU Bosch Rexroth Training Centre , Mysuru

Visvesvaraya Technological University (VTU) has established the VTU-Bosch Rexroth Centre of Competence in Automation Technology in collaboration with Bosch Rexroth AG – Germany at its extension centre Mysore. The uniqueness of this Institute lies in its state of the art Technology, which has World Class Equipments, Training kits, hardware, software and teaching aids with adequate faculties trained from Rexroth Germany. The Centre aims at training industry personnel and students of various Institutions from Engineering, Diploma and ITI Colleges in the Automation field to enable our industry personnel faculty and student to have hands on experience and up gradation of knowledge and skills which is an essential for industry progress.

## PROGRAMME OBJECTIVES:

- Introduction to Industrial Automation
- Relay control system in Automation
- Simulation of relay circuits.
- Basics of PLC and its programming.
- Ladder PLC programming language
- PLC program simulations.
- Proximity sensors characteristics & applications
- Selection of proximity sensor for an industrial application
- Fundamentals of Hydraulics
- Basic components - Cylinders and Valves, their working and interactions
- Electro hydraulics circuit diagram and its building
- Basics of Industry 4.0.

## Training Features

- Fully hands on experience
- Provides an insight in the field of PLC, Sensors & Hydraulics.
- Helps participants develop practical skills
- Intensive training
- Certificate would be given upon successful completion of training and clearing POST-TEST

## Facilities Available

- Hydraulics - 11 work benches
- PLC - 11 work benches
- Sensors – 11 work benches

## Resource Persons:

Renowned Experts from Industries and Reputed Institutions

## Eligibility:

Students of all VTU Affiliated Institutions /Autonomous Institutions, who are from Mechanical, Electrical & Electronics,, Electronics & Communication, Computer Science /Information Science and so on.

**Internship Fee: Rs 3,000/- per student** (Exclusive of Food & Accommodation).

## Accommodation & Boarding:

Hostel facility and food will be provided to trainees within the campus with nominal charges.

## **How to Apply:**

Interested and eligible candidates may apply by submitting the hard copy of the filled in registration format given in this brochure to The Special Officer, VTU Bosch Rexroth Centre Mysuru and also by sending the scanned copy of the filled in registration form by **e-mail to [vtubosch@vtu.ac.in](mailto:vtubosch@vtu.ac.in) on or before 18<sup>th</sup> October 2023.**

**The batch size of the participants will be limited to about 100. Registration priority will be on first come first serve basis.**

## **Contact for Information:-**

**Mrs. Deborah Stanley**

**Ph: - 0821 - 2570009**

**Email: - [vtubosch@vtu.ac.in](mailto:vtubosch@vtu.ac.in)**