

## About Atria Institute of Technology

Atria Institute of Technology, Bengaluru established in 2000. It is approved by All India Council for Technical Education (AICTE), New Delhi, affiliated with Visvesvaraya Technological University (VTU) and accredited by NAAC. Institute aims to nurture professionals who can add value to organizations, pursue innovative entrepreneurial activities and engage in higher studies. It offers various undergraduate, postgraduate, and doctorate level programs

### Atria Highlights:

- Vibrant city campus in the heart of Bengaluru (17.5 Acres)
- Learning beyond the classroom with a new 24/7 platform and pedagogy
- Dedicated in-campus hostels for boys and girls for immersive learning experience
- Centres of Excellence and Research
- Reputed for building competent professionals
- Industry ready courses
- Diverse technical and cultural clubs
- Mentoring / business incubation centre for entrepreneurship: ABiC
- Wi-Fi enabled campus
- Atria group includes the brands-

**Education:** Atria Institute of Technology, Atria University, Kupparaju Vidyanikethan, Xcelerator

**Technology:** ACT Fibernet

**Power:** Atria Power Corporation, Atria Hydel Power, Atria Solar Power

**Hospitality:** Atria Radisson Blue, Hotel Chalukyas

## The People

### Chief Patrons:

**Shri. C.S.Sunder Raju**

**Chairman – AIT Trustee**

**Shri. K.Nagaraju**

**Trustee**

**Mr. Kaushik Raju**

Technical Director, Atria Institute of Technology, Bengaluru, India

**Mr. Shaheem Rahiman,**

CEO, Atria Education, Bengaluru

### Patron:

**Dr. T.N Sreenivasa**

Principal, Atria Institute of Technology, Bengaluru, India

### Convener

**Dr. Arun Balodi, SM'IEEE**

Professor and Head,

Dept. of ECE, Atria Institute of Technology, Bengaluru.

### Organizing Committee:

**Dr. Prasuna VNP,**

Associate Professor,

IEEE WIE Affinity Group Advisor,

Dept. of ECE, Atria Institute of Technology, Bengaluru

Mobile:9880598093

Email: [vnp.prasunna@atria.edu](mailto:vnp.prasunna@atria.edu)

**Dr. Mangala Gowri S G**

Associate Professor,

Dept. of ECE, Atria Institute of Technology, Bengaluru

Mobile: 7760642125

Email: [mangalagowri@atria.edu](mailto:mangalagowri@atria.edu)

### Registration Details



### Registration Link:

<https://forms.gle/pQgqDL4FDMSyUWt28>

Interested individuals may register by using the above link.

“No registration fees”



## Five-day's International Online FDP on “Advanced applications of Robotics and IOT”

29<sup>th</sup> March – 4<sup>th</sup> April, 2022

Organized by

## Department of Electronics and Communication Engineering

In association with  
IEEE Bangalore Section- WIE Affinity Group,  
IETE Bangalore Section, and  
IEEE Atria Student Branch

### Important Dates:

Last day for registration: 28/04/2022

FDP Schedule: 29<sup>th</sup> March – 04<sup>th</sup> April, 2022

Morning Session: 10:30-12:30 hrs.' (IST)

Afternoon session: 14:00-16:00 hrs.' (IST)



## About ECE

The department of Electronics and Communication Engineering was established in the year 2000. The present Under Graduate intake is 180 and the department also offers M.Tech in Artificial Intelligence with an intake of 24. The department has well-qualified faculty members and it offers subjects relevant to current industrial needs. Our faculty brings state-of-the-art research, development and design experience into the classroom. The department is equipped with adequate classrooms, department library, multiple laboratories, seminar hall and conference hall. Students have a wide career opportunity in industry, research, services; or they can launch their start-ups (Atria Business Incubation Centre opportunity). Over the years, the graduating students have gone on to occupy key positions in education, science, industry and government administration in India and abroad.

- Learn and be equipped for a career in the Interdisciplinary Digital Economy of tomorrow, incorporating in-demand skills like the Internet of Things (IoT), Artificial Intelligence (AI), Machine Learning (ML), Robotics, Very Large-Scale Integrated Devices, Nano Electronics, Wireless Networks etc. is the motto of the ECE department.
- A dedicated group of faculties train students as per the industry requirements like VLSI, Embedded, Robotics, Signal Processing and Communication.
- Department has active professional student societies like IETE, IEEE.
- Department having nodal center of IIRS-ISRO Dehradun and also having MoU's with Industry 4.0, GitHub, OUTSCAL and H2O.ai

### Certification

E-Certificate will be provided to all registered participants based on the attendance and performance in the quiz.

## About FDP

The objective of this FDP is to disseminate the knowledge in the domain of Robotics and IoT. It will make us understand advanced concepts in the field of Automation and Robotics. It will also provide an interactive forum for understanding the comprehensive knowledge about the Robotics and IoT. FDP acknowledges industry-academia relationships, in order to leverage software competency, our FDP addresses sessions from industry experts as well

### Topics to be covered

- Advanced Robotic Applications
- Hands on Advanced Robotic Applications
- Interfacing Arduino with motors
- Advanced Robotic Applications using Arduino and Raspberry Pi
- IoT Applications using FPGA
- Hands on Advanced Robotic Applications using Arduino and Raspberry Pi
- Aerial Robotics
- Robust Control: Basics of sliding Model Control
- IoT Applications in real time
- Industry 4.0 applications
- Mind relaxation session

### Who should attend?

Faculty and Staff members of the academic institutions, Research scholars, PG Scholars, participants from Government, Industry (Bureaucrats/ Technicians Participants from Industry, *etc.*). This programme will be highly enlightening for faculty members of Academic Institutions. Professionals from the industry, entrepreneurs as well as proactive and creative learners may also apply.

## Resource Persons

### Dr. Jharna Majumdar

Professor (R&D)

Cambridge Institute of Technology,  
Bengaluru

### Dr. V.R. Sarma Dhulipala

Interdisciplinary Research Laboratory Head  
University College of Engineering  
BIT Campus, Anna University

### Dr. Rangababu P.

HOD ECE dept  
NIT Meghalaya

### Mr. A T KISHORE

CEO, Vidhya Sangha Technologies Pvt Ltd

### Mr. Sudeep Gupta

CEO Ai-VOLVED

### Mr. Ravishankar Nateshmurthy

Head of Projects at WayCool Foods &  
Products Pvt Ltd

### Dr. Surender Hans

Associate Professor,  
Poornima University

### Dr. Perini PraveenaSri

Professor, AIT, ACME  
MPhil, Ph.D (UOH)  
Post-Doctoral( IGIDR-GoI)

### Mr. Chetan Naik J

Assistant Professor (R&D)  
Cambridge Institute of Technology  
Bengaluru

### Mr. Ishan Anand, Happyness Coach

Bengaluru