

**AICTE Training and Learning Academy
(ATAL) Five Days Online Workshop**

On

**Application of IoT in Aerospace
Engineering**

**25th - 29th October 2021
(One Week)**

REGISTRATION FORM

Name: _____

Qualification: _____

Department: _____

Mobile: _____

Email: _____

Declaration by the Applicant

If selected, I agree to abide by the rules and regulations of the workshop of ATAL Academy & VTU-HRDC and shall attend all the sessions compulsorily.

Date: _____ Signature of the Applicant

Recommended and Forwarded

Signature of the Head of the Institution

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Organized By

**VTU- Human Resource Development Cell (HRDC)
Department of Computer Science and Engineering
Visvesvaraya Technological University
Centre for Post Graduate Studies
Bengaluru Region, Muddenahalli
Chikkaballapur-562101**

In Association With



**AICTE Training and Learning (ATAL)
AICTE, New Delhi**

**VTU Centre for Post Graduate Studies
Bengaluru Region, Muddenahalli
Chikkaballapur-562101**

About the VTU

Visvesvaraya Technological University (VTU) named after Bharat Ratna Dr. Sir M. Visvesvaraya established on 1st 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.

VTU has its Head Office located in 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. For administrative convenience University has four Regional Offices established at Bengaluru, Mysuru, Kalaburagi and Belagavi. VTU is one of the prestigious and largest Technological University in the Country, having affiliation having 219 affiliated colleges, 1 constituent college and 17 Autonomous colleges with undergraduate courses in 35 disciplines, PG program in 94 disciplines and Ph.D& M.sc(Engg.) with research programs in 592 departments, over 4 lakhs Engineering Students study in the various institutes affiliated to the University.

VTU PG Centre, Muddenahalli, Bengaluru Region

The Visvesvaraya Technological University, Post Graduate Center, Bengaluru Region, Muddenahalli has 200 acres campus located at Muddenahalli, Chikkaballapura (Dist). Muddenahalli is the birth place of great legend Bharata Ratna Sir M. Visvesvaraya. It has all necessary infrastructure required for imparting quality education through its well structured administrative and academic staff for overall development of student's personality. Center for PG Studies has four full time post graduate programmes in M.Tech, and MBA. All the departments have well qualified faculty at all level and are involved in research and development.

AICTE Training and Learning(ATAL) Academy

The primary objective of the ATAL Academy is to plan and help in imparting quality technical education in the country and to support technical institutions in fostering research, innovation and entrepreneurship through training. The Academy stresses upon empowering technical teachers and techniques using Information and Communication Technology. It also aims at utilizing SWAYAM platform and other resources for delivery of the trainings. It provides a variety of opportunities for training and exchange of experiences. Such as workshops, orientation, learning communities, peer monitoring and other FDPs Supports policy makers in incorporating trainings as per requirements.

About the Training Program:

In the aerospace industry, the adoption of IoT is transforming both ground and air operations. For instance, Aerospace manufacturers are exploiting IoT to develop and deploy robust analytical strategies to improve operational efficiency. Extensive connectivity delivered by IoT allows for the coming together of devices and enables effective human-to-human and human-to-machine coordination, cooperation, communication, and interoperability. IoT can also give instant insight into how an entire shop floor is operating. In Airbus' Saint Eloi factory, data from machines and conveyors is fed into a live visual representation to create a “digital shadow” of the entire assembly line. This enables users to track operations in real time, as well as carry out highly accurate simulations to find the most effective ways of enhancing operations. At Airbus, this approach has improved efficiency by 20-30%. IoT is also making its way into the cabin—enabling airlines and passengers to look forward to a variety of exciting new travel experiences. This includes a more personalised environment, which is enhanced with new applications that enable improved interactions with the passengers' immediate surroundings, including customised entertainment and dining options

- ❖ IoT applications play an increasing role helping to connect different functions such as production and engineering
- ❖ In Aerospace where there is a large complexity of systems, IoT is a key to success to develop such interface solutions
- ❖ The functional interfaces will generate initial value and can be enhanced through machine learning and innovation going forward with more and more IoT data getting connected

Resource Persons:

Resource persons are Eminent Industry Experts, Academicians (NITs, IITs and IISc.) and Practitioners

Eligibility:

The faculty members of the AICTE approved institutions, Research Scholars, PG Scholars, participants from Government, Industry Bureaucrats/ Technicians/ Participants from Industry etc.), CBSE Teachers and staff of host institutions.

Registration :

Registration has to be done only through <https://atalacademy.aicte-india.org/>
For more information, kindly visit <https://atalacademy.aicte-india.org/FAQs>

Guidelines:

- ❖ There is **NO Registration fee**
- ❖ **Selection of Participants will be communicated through e-Mail.**
- ❖ It is mandatory to attend the test that will be conducted in the last day of the FDP related to the topics covered.
- ❖ It is also mandatory for the participants to have a minimum of 80% attendance and 60% marks in the test to earn the certificate.

Contact: Dr.Baswaraj Chairman, Dept of Aerospace Propulsion Technology, VTU Center for PG Studies Muddenahalli – **Mob: 9986157177**
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