

## ELIGIBILITY:

- As per ATAL guidelines, Faculty members, Research Scholars, PG Scholars, Industry professionals.

## FACILITY:

- Institute shall try to arrange bus service from Agartala to Udaipur (Institute) from a particular pickup place.
- A working lunch will be provided.
- There would be no provision for lodging from the end of ATAL Academy/ AICTE.

## REGISTRATION INFORMATION:

- Registration must be through the ATAL portal.
- No registration fee.
- Max. No. of Participants: 50 Nos.
- First, sign up at <https://atalacademy.aicte-india.org/signup>.
- After logging in, first fill in General details: Any Identity proof (JPEG File) and NOC from the present organization (PDF file).
- Search and select FDP Title (September 09th – 14th) and APPLY.

## MODE OF DELIVERY: OFFLINE.

## REQUIREMENTS TO GET CERTIFICATE:

- Candidates would be eligible to receive a certificate up on achieving at least 70% cumulated weightage in the following aspects in the weightage mentioned.
- Attendance– minimum 80% attendance - (individual)-weightage 20%
- One assessment, combination of MCQs/short answer type/reasoning based, etc. - (Individual) - weightage 10%
- 2 Page Article Summary/per Team - (Team & Individual)-weightage 30%
- Output of practical sessions-(Individual)-weightage15 %
- Report/outcome of Industrial visit- (Team) at the last session –weightage 10%.
- Reflective journal - (Individual) - at the last session - weightage 15%

### Chairman, Organizing Committee

**Dr. Tamojay Deb**  
Associate professor  
&  
Principal-in-Charge

### Coordinator

**Dr. Sushanta Debnath**  
Lecturer (Sr. Scale), ECE

### Co-Coordinator

**Sri Dibakar Chakraborty**  
Lecturer (Sr. Scale), CST

### Members,

### Organizing Committee

Sri Ramananda Paul  
Sri Dinesh Kumar Jamatia  
Sri Subir Saha  
Sri Ushajai Mog  
Smt. Subhra Das  
Sri Partha Sarkar  
Sri Balaram Das  
Dr. Sukanta Nama

### Resource Persons

1. Prof. R.S.Rao, NSUT, New Delhi
2. Prof. Sanjoy Das, IGNTU, Regional Campus, Manipur
3. Prof. Swanirbhar Majumder, TU, Tripura
4. Prof. Mrinal Kanti Debbarma, NIT Agartala, Tripura
5. Dr. Lalit Singh, NPCIL-BARC, Govt. of India
6. Dr. Alak Roy, TU, Tripura
7. Dr. Abhishek Majumder, TU, Tripura

### IMPORTANT DATES:

Last Date of Registration:

**04th September'24**

Announcement of selected candidates:

**06th September'24**

Schedule of the Event:

**September 09th-14th, 2024**



AICTE TRAINING AND LEARNING (ATAL)  
ACADEMY SPONSORED

One-Week **OFFLINE** Faculty Development  
Program on

## Harnessing the Power of IoT: Trends & Technologies



**September 09 - 14, 2024**

Organized by

Department of Electrical Engineering and  
Computer Sc. & Technology

**Gomati District Polytechnic**

Under Department of Higher Education  
Government of Tripura

Approved by AICTE and Affiliated to Tripura  
University

Fulkumari, Udaipur, Gomati, Tripura.

Pin: 799013, <https://gdp.ac.in>

## About Gomati District Polytechnic:

Gomati District Polytechnic, an AICTE approved premier Diploma level Technical education Institution under Education (Higher) Department, Government of Tripura and located in the picturesque region of Gomati, Tripura, stands as a beacon of technical education and innovation in the state. Established with the vision of imparting quality technical education and fostering skill development, the institute has grown to become a preferred destination for aspirants to excel in various engineering and technological fields since 2013.

This Institute offers three programmes namely Electrical Engineering, Computer Science & Technology and Civil Engineering with an intake capacity of 60 in each discipline. These programs are designed to equip students with both theoretical knowledge and practical skills, ensuring they are well-prepared for the demands of the modern workforce.

One of the key strengths of Gomati District Polytechnic is its faculty. Comprising experienced and dedicated professionals, the faculty members are committed to delivering high-quality education and mentoring students to reach their full potential. The institute also emphasizes continuous professional development for its faculty, encouraging them to stay abreast of the latest advancements in their respective fields.

The campus of Gomati District Polytechnic is well-equipped with state-of-the-art facilities, including modern laboratories, workshops, a well-stocked library, and computer centers. These resources provide students with hands-on learning experiences and opportunities to engage in research and innovation. Additionally, the institute places a strong emphasis on industry collaboration, regularly organizing workshops, seminars, and industrial visits to bridge the gap between academia and industry.

## ATAL ACADEMY:

The AICTE Training and Learning (ATAL) Programme is an initiative by AICTE that aims at empowering faculty to achieve goals of higher education such as access, equity,

and quality. This program is designed to fulfill the need to train the young generation in the skill sector and have faculty and technicians trained in their respective disciplines. It was felt that training with the latest tools and technologies is vital to keeping an institute competitive and productive. Training is required to increase the knowledge and skills of students and make them more employable to acquire global competencies. It also transforms them to harmonize with society and, most importantly, to make them good citizens of the country.

## Overview of the FDP:

The six-day Faculty Development Programme (FDP) on "Harnessing the Power of IoT: Trends & Technologies" is designed to equip the participants with comprehensive knowledge and practical skills in the rapidly evolving field of the Internet of Things (IoT). This intensive programme covers a broad spectrum of topics, from foundational IoT concepts and architecture to advanced implementation techniques.

Participants will delve into sensor technology, software defined networks, data analytics, and cloud computing, gaining hands-on experience through interactive lab sessions. Renowned industry experts and academicians will lead sessions on real-world applications, security challenges, and future trends in IoT.

The FDP aims to empower the participants to integrate IoT technologies into their curricula, fostering an innovative learning environment. By the end of the programme, participants will be proficient in developing IoT-based solutions and teaching methodologies, enhancing their ability to disseminate knowledge for the demands of the modern technological landscape.

## Outcome of the FDP:

Participants will be equipped with knowledge of current research trends in the IoT domain.

Attendees will gain a comprehensive understanding of IoT fundamentals and advanced concepts.

Participants will acquire hands-on experience with IoT hardware and software platforms, enhancing their technical proficiency.

## Contents to be covered:

The following topics (but not limited to) will be covered during the 6 days Faculty Development Programme:

- Challenges in Vehicle Ad-hoc Networks.
- IoT in smart agriculture: Scopes & challenges.
- Cloud & IoT based mobile Ad-hoc Network
- IoT in healthcare monitoring
- Wireless sensor network (WSN) & IoT
- Software Defined network & IoT
- Applications of IoT
- Security aspects in IoT
- Future trends in IoT
- Hands on practice on Robotics & IoT embedded systems
- 5G network & IoT.

## Contact Details:

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