



# NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

APPROVED BY AICTE, NEW DELHI AND DEPT OF SCIENCE & TECHNOLOGY, GOVT. OF BIHAR  
AFFILIATED TO BIHAR ENGINEERING UNIVERSITY, PATNA  
AMHARA, BIHTA, PATNA-801106

**Name of the Event:** Two days seminar on “*Career opportunity in Python programming Embedded System and Internet of Things (IOT)*”

**Date:** -17/12/2025 to 18/12/2025

**Organized by-**IQAC and Training Placement Cell

**Resource Persons Name:**

1. Mr. Aditya Nath Swami – Scientist “B” C-DAC Patna,
2. Mr Hriday Varma Scientist “C” C-DAC Patna.
3. Mr. Suresh Kumar Gaddi, Technical Officer, Nielit Patna

Two days seminar on "Career Opportunity in Python Programming, Embedded Systems, and the Internet of Things (IoT)" was organized at NSIT College, Bihta, Patna, aiming to provide students with valuable insights into the rapidly growing tech fields. The event highlighted the significance of Python programming, its use in developing embedded systems, and how these technologies are driving innovation in IoT applications across industries. Experts and professionals from the tech industry discussed various career paths in these domains, including roles in software development, hardware design, IoT solutions, and data analytics. They also emphasized the importance of practical skills, hands-on experience, and how NSIT’s curriculum prepares students to excel in these fields. Students were encouraged to explore internships, workshops, and projects to enhance their skills, making them competitive in the job market and ready to seize exciting opportunities in Python, embedded systems, and IoT industries.

In this context, resource persons were invited from C-DAC and NIELIT Patna to create awareness among the students regarding career opportunities in Python Programming, Embedded Systems, and the Internet of Things (IoT).

## **Activities Conducted**

- Welcome Address and Felicitation of the Resource Person by the Organizers of the Event
- Overview of Career Opportunities in Python Programming, Embedded Systems, and Internet of Things (IoT)
- Technical Workshops on Python Programming, Embedded Systems, and IoT
- Introduction to Python Programming, Embedded Systems, and Internet of Things (IoT)
- Live Demonstrations and Case Studies on Real-World Applications of IoT and Embedded Systems.
- Assessment conducted in day 1 by CDAC Patna.

## Glimpses of the event

- Felicitation of the Resource Persons (Mr. Aditya Nath Swami – Scientist “B” C-DAC Patna & Mr Hriday Varma Scientist “C” C-DAC Patna) and Interaction with students by resource persons.***





4. *Interaction with students by resource person* (Mr. Suresh Kumar Gaddi, Technical Officer, Nielit Patna) day 2 (18.12.2026).



**Outcomes of the Seminar:** The seminar successfully enhanced students' awareness of emerging career opportunities in Python programming, embedded systems, and the Internet of Things (IoT). Participants gained a clear understanding of how Python integrates with embedded hardware and IoT platforms to develop smart and automated solutions. The session helped students identify various career paths such as Python developer, embedded system engineer, IoT application developer, and research professional. It also emphasized the importance of practical skills, project-based learning, and industry-relevant certifications. Students were motivated to pursue internships, hands-on projects, and higher studies in these domains. The seminar bridged the gap between academic learning and industry expectations by sharing real-world applications and trends. Overall, the event inspired students to plan their careers strategically and equipped them with knowledge to adapt to the evolving technological landscape, thereby improving their employability and technical confidence.

**Prize Distribution Ceremony for the Top 5 Scorers in the Assessment Test day 1 conducted by CDAC, Patna.**



## **Conclusion of the Seminar on “*Career Opportunity in Python Programming, Embedded Systems, and Internet of Things (IoT)*”:**

The two days seminar concluded on a highly informative and motivating note, providing students with a clear vision of the vast career opportunities in Python programming, embedded systems, and the Internet of Things (IoT). It successfully highlighted the growing demand for skilled professionals in these domains and the importance of combining software knowledge with hardware expertise. The sessions encouraged students to focus on practical learning, innovation, and continuous skill development to meet industry standards. By sharing real-world applications and career guidance, the seminar helped students understand how these technologies are shaping the future of industries such as healthcare, automation, smart cities, and agriculture. Overall, the seminar served as a valuable platform for career awareness, inspiring students to pursue emerging technologies with confidence and prepare themselves for successful careers in the evolving technological world.