

BIJU PATNAIK UNIVERSITY OF TECHNOLOGY

The Biju Patnaik university of Technology took its birth in the year 2003 with the laying of foundation stone on the auspicious hand of late Dr. A. P. J. Abdul Kalam, the hon'ble President of India. The main objective of instituting the University was to ensure a high quality of students coming out of the technical colleges through a common curriculum and uniform evaluation. Riding on the chariot of Public-Private Partnership, the University has grown today to a big family of 137 colleges and covers all gamuts of technical education systems of the country. To-day it is proud University who offers Ph.D, Master Degree and Undergraduate Degrees in the areas of engineering and architecture, business management, computer studies and pharmacy. To-day it dreams to introduce B-Voc, M-Voc, and Ph.D-Voc to become an effective partner in the national mission skill development.

ABOUT THE INSTITUTION

Silicon Institute of Technology was established under a duly registered Trust with an objective to provide high quality technical education having significant humanistic aspects. Silicon is determined to build a wholesome institution that would move beyond teaching and learning, with creative leadership and with a culture of teaming. Silicon is constantly innovating and improving to adapt to the needs of students through accepting innovation and embracing modern technology and techniques, thus making it student centric. Silicon's endeavor has been to make "success" a habit. Silicon's growth has been possible because of its commitment to excellence and thirst for innovativeness and dynamism. The untiring efforts of a highly dedicated team have been a cornerstone of its success and fast growth.

ABOUT THE DEPARTMENT

Electronics and Instrumentation Engineering is a merger of both Electronics and Instrumentation subjects for a core and applied engineering field. A world without instruments is like going back to the Stone Age. Today we find instruments at home & work place, and this was possible only because of the instrumentation engineering. Electronics is an essential part of physics which concerns with the flow of electrons in electrical circuits that involve active components such as vacuum tubes, transistors, diodes and integrated circuits, and associated passive interconnection technologies. Instrumentation is the art and science of measurement and control of process variables within a production or manufacturing area. The subjects taught to students give them a basic understanding of instruments of all branches from chemical, mechanical, electrical to computer science.

Modern Virtual Instruments, different simulators and emulators are used which not only makes the study dynamic but also more focused and interesting. Students learn to program microcontrollers, design and implement communication networks comprised of sensors, actuators, and programmable logic controllers (PLC) and also open up their skills by designing Virtual Instruments. In the present scenario, Electronics and Instrumentation engineers are the backbone of industries. Candidates taking admissions to this branch avail of courses like "Microprocessors and Microcontrollers, Instrumentation Devices and Systems, Process Control & Instrumentation, Industrial Automation and Control, Industrial Instrumentation, Biomedical Instrumentation, Sensors and Transducers", with some interdisciplinary courses like "Very Large Scale Integration (VLSI), Digital Signal Processing, Communication Engineering, Computer Networks, Operating Systems etc".

DEPARTMENT VISION AND MISSION

VISION

To be recognized as a beacon of quality education and research in the field of Electronics and Instrumentation Engineering.

MISSION

1. To apply the specialized knowledge of electronics and instrumentation engineering to identify, investigate and analyze complex engineering problems in the field of measurement, instrumentation and process control.
2. To apply appropriate techniques and modern Engineering hardware and software tools to design, simulate, implement & evaluate the process control, measurement and instrumentation systems to adapt to various technological as well as management changes through independent and lifelong learning.
3. To capture specifications, formulate, design and build embedded systems and process controllers with supervisory systems for manufacturing and processing applications.

OBJECTIVES OF THE STTP

Industry 4.0 is a name given to the current trend of automation and data exchange in manufacturing technologies. Industry 4.0 is commonly referred to as the fourth industrial revolution. Industry 4.0 is a blend of advanced analytics, Big Data, Automation & Control, Artificial Intelligence, Internet of Things and Process Monitoring and Control. The main objective of conducting the STTP on "Industrial Automation and Control, for Industry 4.0" as an interactive program is to fulfill the gap between the industries and academic institutes, also to transfer knowledge and to impart special skills to UG/PG Students, corporate engineers through Experienced Engineering Experts.

The training program will be conducted by faculty members from premier academic institutes and leading Industrial experts.

RESOURCE PERSONS

The Resource Persons will be from Leading Academic Institutes and Leading Industrial Experts.

ELIGIBILITY

The STTP is open to faculty members/research scholars and students from AICTE Approved Institutions in the Department of ECE/ETC/EEE/EE/CSE/AE&IE/E&IE

SELECTION CRITERIA

The maximum number of participants will be 70. Kindly email the filled registration form to coordinators at the earliest. Selection will be done on first-cum-first-serve basis and confirmed candidates will be notified immediately.

REGISTRATION FEE

Registration fee Rs. 1000 (For Non-TEQIP Institutes), Free (For TEQIP Institutes) Payment shall be made through online.

A/C Holder: - Silicon Institute of Technology

A/C No.: - 380802011000162

Types of Account: - Savings

Bank Name: - Union Bank of India

Branch Name: - Infocity

IFSC Code: - UBIN0559512

REGISTRATION AND ACCOMODATION

Bus facility is available from all major parts of city. Accommodation facility to selected outstation participants.

CONTACT PERSONS

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TEQIP – III Sponsored Five Days STTP on
“Industrial Automation and Control,
for Industry 4.0”

Registration Form

Name: _____

Designation: _____

Organization: _____

Address: _____

Mobile: _____

Email: _____

Declaration:

The above information is true to the best of my knowledge and belief. I shall attend all the sessions compulsorily.

Date: _____

Place: _____

Signature

Recommended and Forwarded

Prof/Mr/Ms.....is a
Employee / Research Scholar / Student of Our
Institute/ College/ University is permitted to
attend Five Days STTP, if selected.

Signature of Head of Institution

CHIEF PATRONS

Dr. C. R. Tripathy

Vice-Chancellor, BPUT, Rourkela, Odisha

PATRONS

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Director, SIT, Bhubaneswar

Dr. J. Talukdar

Principal, SIT, Bhubaneswar

Dr. J. Das

Dean (Research), TEQIP-III Coordinator, SIT, Bhubaneswar

Dr. D. Kar

Dean (Academics), SIT, Bhubaneswar

ORGANIZING CHAIR

Dr. Prakash Kumar Rout

Professor, Dept. of EIE, SIT, Bhubaneswar

PROGRAMME CO-ORDINATORS

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Dr. Ambarish G. Mohapatra, HOD, EIE

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Prof. Narayan Nayak, Associate. Prof., EIE

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Dr. Ambarish G. Mohapatra, Asst. Professor, HOD, EIE

TEQIP- III Sponsored

Five Days STTP on

“Industrial Automation and Control, for Industry 4.0”

25th to 29th October - 2019



Biju Patnaik University of Technology

Rourkela, Odisha

Organized by



Department

of

Electronics & Instrumentation Engineering

**Silicon Institute of Technology,
Patia, Bhubaneswar - 751024**