

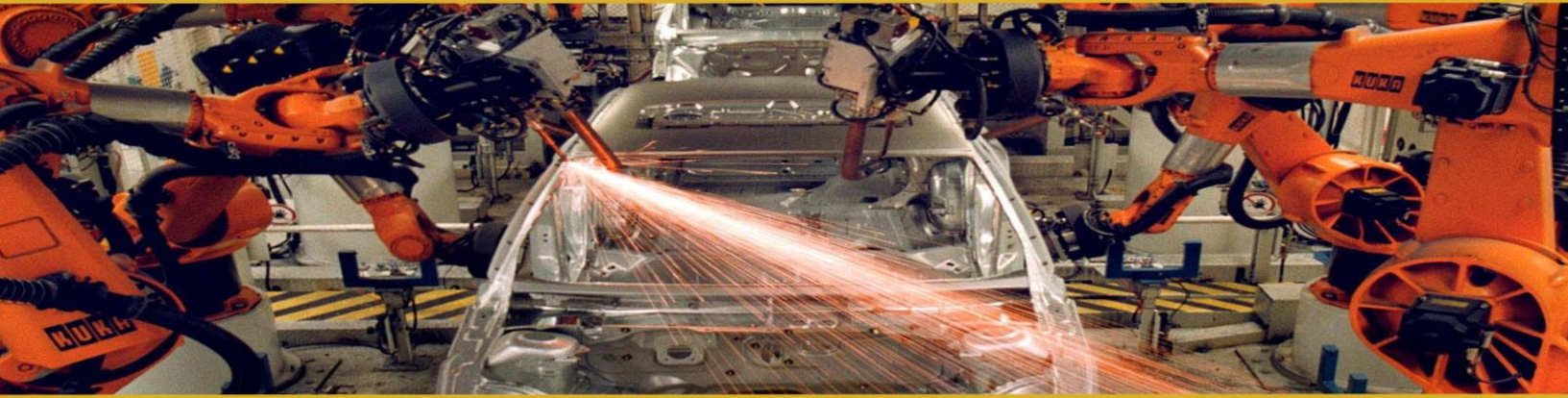
NSETRIA 2016

OCTOBER 22-24, 2016 BANKURA, WEST BENGAL

National Seminar on

Emerging Trends in

Robotics in Industrial Automation



Organized by

Department of Applied Electronics & Instrumentation Engineering
Bankura Unnayani Institute of Engineering
Bankura, West Bengal 722146

Sponsored by

Technical Education Quality Improvement Programme (TEQIP) - Phase II
(A MHRD, Govt. of India Project)

Introduction and Objectives:

Robotics is a prominent component of manufacturing automation which will affect human labour at all levels, from unskilled workers to professional engineers and managers of production. It is possible; perhaps likely, that robotics will become a field, like today's computer technology, which is pervasive throughout our society.

Robotics is a rapidly growing field, as technological advances continue; researching, designing, and building new robots serve various practical purposes, whether domestically, commercially, or militarily. Many robots are built to do jobs that are hazardous to people such as defusing bombs, finding survivors in unstable ruins, and exploring mines and shipwrecks. Robotics is also used in STEM (Science, Technology, Engineering, and Mathematics) as a teaching aid.

Automation or automatic control, is the use of various control systems for operating equipment such as machinery, processes in factories, boilers and heat treating ovens, switching on telephone networks, steering and stabilization of ships, aircraft and other applications with minimal or reduced human intervention. Some processes have been completely automated. The biggest benefit of automation is that it saves labour; however, it is also used to save energy and materials and to improve quality, accuracy and precision. Mechatronics is one of the most enabling technologies in industrial automation and has become a way of thinking than a trend in technology. Application of Industrial automation, along with the power of mechatronics has revolutionized the manufacturing industry. With active participation from Industry and academia, the Indian Automation industry has seen a rapid growth in the recent years. The objective of the proposed Seminar is to introduce the state-of-the-art techniques in Robotics and Industrial Automation to the budding engineers and academicians to enable them to take up challenging assignments in the future. Theoretical aspects of automation systems and their implementation aspects will be discussed during the program.

Seminar Coverage

NSETRIA2016 will include, but are not limited to: Control and Automation, Instrumentation, Mechatronics, Robotics and Artificial Intelligence, Embedded system, Bio-Medical Instrumentation, SCADA, Power Systems, Protection and control, Image Based Control, Hybrid and Switching Control, Process Optimization and Scheduling, Control and Intelligent Systems, MEMS, DSP.

Eligibility

Category I: Faculty Members of Academic Institutes.

Category II: Industry Personnel.

Category III: Research Scholars from Academic Institutes.

Category IV: UG or PG Students.

Registration Fees

Category I: ₹ 500/-

Category II: ₹ 1000/-

Category III: ₹ 100/-

Category IV: NIL

Boarding & Lodging

Boarding, lodging and travel expenses shall be borne by the participants.

Several good hotels are available in and around Bankura. Participants may contact directly or through the convener for accommodation in hotels. No TA/DA will be paid to the participants by the institute.

Speakers

(Confirmed so far)

- **Prof. Alok Kanti Deb**
IIT, Kharagpur
- **Prof. Subhasis Baumik**
IEST, Shibpur
- **Prof. Rajib Bandyopadhyay**
Jadavpur University, Jadavpur
- **Prof. Abhijit Chandra**
Jadavpur University, Jadavpur
- **Prof. Manas Kumar Bera**
NIT, Silchar
- **Dr. S Majumder**
CSIR-CMERI, Durgapur
- **Dr. Dip N Ray**
CSIR-CMERI, Durgapur
- **Er. Vikrant Kumar**
IOCL Haldia
- **Er. Ashish Kr. Dey**
Danieli India Ltd., Kolkata
- **Er. Anirban Jyoti Ray**
Schneider Electric System India Pvt. Ltd., Kolkata
- **Er. Siddhartha Ghosh**
Tata Power Company Limited, Haldia

Registration fee includes study/ lecture materials, refreshment and lunch for 3 days of the course.

About BUIE and its Location

Bankura Ummayani Institute of Engineering (BUIE), established in 1998, is best at emulating academic environment and research, utmost utilization of available resources, fine tune communication skills and personality development, inducing ethical values in all associated with the organization, build up confidence and promote overall development of the young learners to face the challenges of the professional world. BUIE has been recognized as a QIP Centre in Engineering & Technology by All India Council for Technical Education (AICTE). BUIE is one among the few Engineering Colleges in the State selected for Phase-II of the Technical Education Quality Improvement Programme (TEQIP), a world bank sponsored project.

Bankura is a place of art and culture and has rich natural beauty with an urban and rural blend. Centre of the famous Malla kingdom of western Bengal, Bankura and its surrounding regions are identified with its historical and cultural significance for the later period of Middle Ages. Bankura is the headquarters of the district. Bishnupur is a subdivisional town of Bankura district, famous for the Terracotta Temples. Susunia hills and Beharinath hills are located in the district. Mukutmonipur dam is a notable tourist spots.



Organizing Committee

Patrons

Mr. Sasanka Dutta, Chairman, BCG, BUIE
Prof.(Dr.) EB.Duttagupta , Member, BCG, BUIE

Advisory Committee

Prof.(Dr.) Rajib Bandyopadhyay, Jadavpur University
Dr. Manas Kumar Bera, NIT, Silechar
Mr. Ashish Kr. Dey, Manager, Danieli India Ltd., Kolkata
Prof.(Dr.) Krishnendu Adhvaryu, Principal, BUIE
Prof. Alope Roy, Dean, Academics, BUIE
Dr. Prativa Ranjan De, Dean, Student Affair, BUIE
Prof. Suman Maity, Nodal Officer, FSD, TEQIP, BUIE
Prof. Subhajit Roy, Co-ordinator, TEQIP, BUIE
Mr. Ramananda Mukherjee, Registrar, BUIE

Convener

Prof. Santanu Mallick, HOD, AEIE Dept.

Co-convener

Prof. Jyoti Prasad Singha Thakur, AEIE Dept.

REGISTRATION FORM

TEQIP-II Sponsored
National Seminar
on

Emerging Trends in Robotics in Industrial Automation
(NSETRIA-2016)

October 22-24, 2016

Bankura Unnayani Institute of Engineering
Subhankar Nagar, Pohabagan, Bankura-722146, West Bengal, India

Name:
Designation:
Age:
Organization:
Address for correspondence:
.....
.....
Tel.....Fax.....
E-mail:
Highest Qualification:.....
Total Experience (if any):.....
Bank Draft Details:
Vegetarian / Non-vegetarian:
Accommodation required: Yes / No

Signature of the Applicant

Signature and Seal of the
Head of the Dept. / Institute

(DD Should be drawn in favour of “PRINCIPAL, BUIE”, payable at Bankura)
Please mail scanned copy of completed registration form along with the
Demand Draft to the convener on or before 19th October, 2016. The hard
copy of the same should be presented at the registration desk on
22nd October, 2016.

Important Dates

Submit scanned copy of completed registration form along with the
Demand Draft for participation to the convener on or before
19th October, 2016.

Address for correspondence

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Subhankar Nagar, Pohabagan, Bankura-722146, West Bengal, India
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Tel.- +91 94343 85218

For any further information/query, please contact
Prof. Santanu Mallick (+91 94343 85218)
Prof. Jyoti Prasad Singha Thakur (+91 94341 78150)