ELIGIBILITY

The course is open to UG and PG students, researchers and faculty members of engineering colleges and practicing engineers from Industry. Participants from other Government and private organizations are also eligible. The course registration fee for student participant is of Rs. 1500/-, that of the staff or faculty is of Rs. 2000/- and for Industrial person 4000/-. The fee includes registration kit, tea-snacks and lunch during the workshop. Payments to be made through bank transfer/DD.

LODGING

Lodging facility can be arranged on twin share/ individual basis in the hotels nearest to the institute subject to availability on prior payment basis.

COMMITTEE

Patron

Professor B. B. Biswal
Director, NIT Meghalaya

Coordinators

Dr. B. Halder, Asst. Professor, EE
Dr. B. K. Sarkar, Asst. Professor, HOD ME

Organizing Committee:

Dr. A. Banerjee, Assoc. Professor., HOD, EE
Dr. D. K. Sarma, Assoc. Professor, ME & Dean (P & D)
Dr. H. C. Das, Professor., ME
Dr. R. N. Mahapatra, Assoc. Professor., ME
Dr. K. Debnath, Asst. Professor., ME
Mr. M. Ghosh, Asst. Professor, EE

Advisory Committee:

Dr. A. Bhattacharjee, Professor, Physics, Dean (R&C)
Dr. A. Dandapat, Assoc. Professor, ECE, Dean (AA)
Dr. S. Mukherjee, Assoc. Professor,Math, Dean (SW)
Dr. G. Panda, Professor, EE (CVO)

OBJECTIVES

The field of Mechatronics and Robotics have now gained immense popularity in respect of dealing with problems in different disciplines all over the world. This program is designed to address recent development in Mechatronics and Robotics and the allied Research field. The course will offer a unique interdisciplinary platform to the researchers to share and enhance research activity. This course will be beneficial for the research students, practicing engineers, academicians from Electrical, Mechanical, Electronics, Computer Science Engineering, Instrumentation and other Engineering discipline working the pertinent field.

The objective of this workshop is to introduce a number of modules covering detail discussions with respect to wide field of application, design and control issues related to recent advances. Adequate exposure on computer simulations and HIL will be provided so that upon completion of the course the participants will get acquainted with framing of mechatronic and robotic problem pertaining in their teaching and/or research activities.

COURSE CONTENT

- Mechatronic Systems and it Recent Development
- Recent Advances in Robotics
- Robotics in Healthcare
- Various Actuation Systems.
- Data Acquisition System
- Machine Vision
- Underwater Robot
- Tutorials/Laboratory Exercises

COURSE MATERIAL

Each registered participant will be provided with softcopy of session lectures.

Workshop
on

Recent Advances in Mechatronics and Robotics

Under TEQIP-III

22nd – 24th March 2018

Organized by:

Department of Electrical Engineering and Mechanical Engineering

In Association with

Center for Robotics and Mechatronics

National Institute of Technology Meghalaya, Shillong-793003 Meghalaya, India

Website: *http://nitmeghalaya.in*

SPONSORSHIP

For applicants from Government / other organization

Prof./Dr./Mr./Ms. _____

_____

is an employee of our institute and his/her application is hereby sponsored. The applicant will be permitted to attend the workshop on *"Recent Advances in Mechatronics and Robotics"* at NIT Meghalaya to be held from 22th – 24th March 2018.

Date:

Signature of sponsoring authority

Designation:

Official Seal:

RGISTRATION

Applicants are requested to pay the registration fee through *bank transfer* with the following details or through *Demand Draft* drawn on any nationalized bank in favour of '**ORPROG EE NITM**' payable at '**Shillong**'.(Note: Registration on spot is possible on prior request through e-mail)

Details of Bank Account for Bank Transfer:

A/C Number: **9160 1002 5121 983**

IFSC: **UTIB0001176**

MICR: **793211003**

The scan copy of duly filled application form along with the payment acknowledgment should be e-mailed to:

Dr. Biswajit Halder, Dept. of Electrical Engineering
Or
Dr. Bikash Sarkar, Dept. of Mechanical Engineering

National Institute of Technology
Maghalaya, Shillong – 793003,
Meghalaya, India.
Contact No: 9485177038/ 9485177011
Email: biswajit.halder@nitm.ac.in/
bikash.sarkar@nitm.ac.in

SPEAKERS

Faculty members from multiple disciplines of IIT and other premier institution will deliver lecture.

VENUE

The workshop will be arranged in the Lecture Hall, NIT Meghalaya

ABOUT NIT MEGHALAYA

The campus of NIT Meghalaya is located at Bijni Complex, Laitumkhrah at around 2 km from the Police Bazar, Shillong. The institute was established in the year 2010 with its permanent campus of about 450 acre is under construction at Shora, Cherrapunji. The dept. of Electrical Engineering and Mechanical Engineering offers B.Tech, M.Tech and PhD programs with different specializations. Both the departments have experienced faculty members with dedication.

The scenic panorama of the valley, the breathtaking local view points, spectacular landscapes and lakes have made the city to one of the most popular destinations in the country. The nearest Umroi Airport, Shillong and LGBI Airport, Guwahati are respectively at distances of about 35 km and 130 km and the nearest Guwahati Railway Station is about 100 km from Shillong city.The temperature in the city during the period of workshop will be 15-20**°C.**

Workshop on

"Recent Advances in Mechatronics and Robotics"

Under TEQIP-III

22nd – 24th March 2018

Application form

1. Name (BLOCK LETTERS):
2. Designation & pay scale:
3. Organization:
4. Date of birth:
5. Address of Institution:

   Pin Code: Phone:

   Fax:

   E-mail:
6. Academic qualification (please tick)

   (a) B. Tech. (b) M. Tech. (c) Ph.D.
7. Specialization:
8. Experience (in years):

   (a) Teaching (b) Industrial (c) Research
9. Gender: (a) Male (b) Female (please tick)
10. Payment Reference No./DD No.:……

    Date: ……..Amount:……..Bank:……

Please register me for the workshop "Recent Advances in Mechatronics and Robotics" to be held at NIT Meghalaya during 22nd -24th March 2018.

Place:

Date: Signature of the applicant