

REGISTRATION FEES:

Date	Category	Fee
By 25 th May 2017	B.Tech/M.Tech/B.Sc/ M.Sc/Ph.D Students	INR 2,800.00
By 25 th May 2017	Faculty/Industry Personnel	INR 5,000.00

* Registration Fee includes Stationary Kit, Soft and Hard Copy of Study Materials, Participation Certificate, Refreshment etc.

* Seats are limited for this short term course. Participants will be selected on first-cum-first serve basis.

IMPORTANT DATES:

Last Date for Receipt of
Application through E-Mail- **25/05/2016**
Regn. Confirmation by E-mail - **28/05/2016**
Course Commencement - **15/06/2016**

CONTACTS:

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CONTACT ADDRESS:

**Coordinator, STC on Artificial Intelligence,
Signal & Image Processing using NI LabVIEW**

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NOTE: Mail Subject must be superscribed as
"Registration for STC on Artificial Intelligence, Signal &
Image Processing using NI LabVIEW"

Short Term Course on

Artificial Intelligence, Signal & Image Processing using NI LabVIEW

(15th to 24th June, 2017)

Registration Form

1. **Name :** _____
2. **Sex (M/F):** _____
3. **Category:** Student / Faculty / Industrialist
4. **College / Organization Name:** _____

5. **Highest Academic Qualification:** _____
6. **Address for Correspondence:**
Phone/Mobile:
Email:
7. **Accommodation Required:** Yes/No
(In the Institute Hostel)
8. **Online Registration Fee Payment Details:**
Amount _____ Transaction Id: _____
Transaction Date _____
Date:
Place:
Signature of Participant
Forwarded by Head of the Department / Institute

Signature (with Seal)

Short Term Course on

Artificial Intelligence, Signal & Image Processing using NI LabVIEW

(15th -24th June, 2017)



Coordinator
Prof. P. K. Sahu



Dept. of Electrical Engineering
National Institute of Technology
Rourkela – 769008

COURSE OBJECTIVE:

Considering the importance of Artificial Intelligence, Signal and Image Processing in various applications, the course is mainly intended to train the students, research scholars, faculties and industry personnel for exploring the novel applications. To meet the growing demands in the above mentioned fields, this course will focus on theoretical as well as practical demonstrations for creating opportunities to the professionals in right platform. Participants will get an opportunity with Hands-on training of NI LabVIEW.

ABOUT DEPARTMENT OF EE:

The main objective of the Department is to impart high quality education and research. The major research areas of the department include Power Electronics and Drives, Control and Automation, Power System Engineering and Electronic Systems and Communication. The EE department is handling several research projects sponsored by external funding agencies. The Department has well equipped with modern laboratories such as Power Electronics Lab., Power System Lab., Control & Robotics Lab., Microwave Lab., Nano Electronics Lab., Signal Processing & Communication Lab., and Real Time Embedded Systems Lab. for pursuing research in the emerging areas of Electrical Engineering.

COURSE HIGHLIGHTS:

- ❖ Navigating LabVIEW
- ❖ Troubleshooting and Debugging VIs

- ❖ Implementing a VI
- ❖ Developing Modular Applications
- ❖ Creating and Leveraging Structures
- ❖ Managing File Resources
- ❖ Using Sequential and State Machine Algorithms
- ❖ Solving Dataflow Challenges Using Variables
- ❖ Controlling the User Interface
- ❖ Creating and Distributing Applications
- ❖ Introduction to Digital Signal Processing (DSP) and Analysis
- ❖ Digital Image Processing (DIP) using NI LabVIEW
- ❖ Artificial Intelligence (AI) Algorithm Development using NI LabVIEW.

✓All the Lab classes will be followed by background theory classes covered by experts

INTENDED ATTENDEES:

The course is designed primarily to train students, professionals, scholars and faculties to take up Artificial Intelligence, Signal and Image Processing as a career option in academic and industry.

ABOUT NIT ROURKELA:

National Institute of Technology (NIT), Rourkela was founded as Regional Engineering College, Rourkela in 1961. It is a prestigious Institute with a reputation for excellence at both undergraduate and postgraduate levels, fostering the spirit of national integration among the students, a close interaction with industry and a strong emphasis on research, both basic and applied.

The city of Rourkela is a bustling industrial city, cosmopolitan by nature and is well connected to all parts of the country by road and rail. It is en-route Howrah-Mumbai main line of South-Eastern Railway. Nesting amidst greenery on all sides, NIT campus is approximately 7km from Rourkela railway station. The nearest airports are Ranchi, Kolkata and Bhubaneswar, which are well connected by trains.

MODE OF PAYMENT & REGISTRATION:

Payment should be done through NEFT (Online Banking). **Account Name:** Continuing Education, NIT RKL, **Bank Name:** State Bank of India, **Branch Name:** SBI, NIT, Campus, Rourkela, **Account Number:** 10138951784, **IFSC Code:** SBIN0002109.

Scanned copy of the Registration Form and Online Payment Details should be sent through email.

ACCOMMODATION:

Accommodation will be provided in Hall of Residences of NIT Rourkela as per availability.