Registration Form
Short Term Course on
Biometric Security:
Theory and Applications
12-17 March 2018

Name: ___________________________

Designation: _______________________

Institute/Organization:
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Mailing Address: _______________________
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Phone No.(R)______________________
(O)______________________

Mobile: _______________________

Email: _____________________________

DD No: __________ Date:____________

Issuing bank: _______________________

Accommodation required: Yes / No

Food habit : Veg / Non-Veg

Age: ______ yrs

Gender: Male / Female

About the institute

National Institute of Technology Rourkela is an institute of national importance created under the act of parliament. NIT Rourkela provides quality education in a diverse and multi-cultural environment. The mission of the institute is to become an internationally acclaimed institution of higher learning that will serve as a source of knowledge and expertise for the society and be a preferred destination for undergraduate and graduate studies. The institute research centers are engaged in consultancy and research activities of several bodies such as DST, DAE, CSIR, DRDO, BARC, ISRO and private industries.

About the Department

The Department of Computer Science and Engineering (CSE) offers B.Tech. course in CSE, M.Tech courses in Computer Science (CS), Information Security (IS), Software Engineering (SE), and Analytics and Decision Sciences (ADS). The department offers PhD programmes in various areas of cutting edge research. At present, more than 15 research scholars are working in the areas of information security. The Department has liaison with reputed industries and R&D organizations. The department conducts short term courses, symposiums, workshops, and conferences throughout the year.

Course objective

The course will present the fundamentals and the research aspects of biometric security. Authentication of subjects through their face, iris, fingerprint, and signature will be discussed. The lectures will enable participants to apply pattern recognition and artificial intelligence to achieve biometric security.
## Course Schedule

### Day – I:
- 9:00am – 11:00am (Lecture): Introduction to image Processing
- 11:30am – 1:30pm (Lecture): Introduction to biometrics
- 2:30pm – 5:30pm (Laboratory): Introduction to Matlab

### Day – II:
- 9:00am – 11:00am (Lecture): Hough transform and shape detection
- 11:30am – 1:30pm (Lecture): Iris biometric system
- 2:30pm – 5:30pm (Laboratory): Parameters for Evaluation

### Day – III:
- 9:00am – 11:00am (Lecture): Feature Extraction Methodologies
- 11:30am – 1:30pm (Lecture): Fingerprint biometric system
- 2:30pm – 5:30pm (Laboratory): Iris recognition system

### Day – IV:
- 9:00am – 11:00am (Lecture): Fusion of multimodal biometrics
- 11:30am – 1:30pm (Lecture): Emerging issues in biometric
- 2:30pm – 5:30pm (Laboratory): Fingerprint recognition system

### Day – V:
- 9:00am – 11:00am (Lecture): Fundamentals of handwriting recognition
- 11:30am – 1:30pm (Lecture): Research issues in handwriting recognition
- 2:30pm – 5:30pm (Laboratory): End course evaluation

The course will be taught by the faculty members of NIT Rourkela. Experts from other academic institutions will be invited to share their latest research findings with the participants.

## Who is eligible for applying?
Academicians working in AICTE approved organizations or Industry, Research Scholars working in the domain of security.

## Registration Details:
- Fee for faculties: INR 2000.00
- Fee for research scholars: INR 1500.00
- Fee for industry persons: INR 3000.00

## How to apply:
The candidate should send a Demand Draft in favour of "Continuing Education, NIT Rourkela", payable at SBI NIT Campus branch, Rourkela (Branch Code: 2109).

### The DD should be sent to:
Prof. Sambit Bakshi  
Department of CSE, NIT Rourkela,  
Odisha – 769 008, India  
A mail titled "ISEA STC Registration: Biometric Security: Theory and Applications: March 2018" containing scan copy of the DD and the filled registration form should be sent to bakshisambit@nitrkl.ac.in

## Important Dates:
Application Deadline: 28-Feb-2018  
Course: 12 – 17 March, 2018

## Accommodation and Food
- The participants will be provided with free shared air conditioned accommodation and food at institute guest house during the course.
- No travel allowance will be given.

## How to reach?
Rourkela is on the Howrah (Kolkata)–Mumbai main line of South Eastern railway. The railway station and intrastate bus stand are 6kms and 2kms from NIT Rourkela campus respectively.

The airports near to Rourkela are Ranchi, Bhubaneswar and Kolkata. Rourkela is well connected to these cities by rail and train frequency is very good.

## Contacts:
Chairman: Prof. Ashok K. Turuk (akturuk@nitrkl.ac.in)  
Coordinator: Prof. Sambit Bakshi (bakshisambit@nitrkl.ac.in, 97787 06770)  
Co-coordinator: Prof. Pankaj K. Sa (pankajksa@nitrkl.ac.in)