

## Call for Papers

The Organizing Committee of the workshop invites papers from researchers and practitioner for oral presentation and poster presentation. Original research articles and papers are invited for presentation in the program. Papers must reflect original thoughts research work, practical experience, mathematical models, and innovative ideas. Extended abstract (not more than 250 words) along with full manuscript giving area code, problem identification, techniques used and key results of the paper typed in MS word/ Latex with 12 point size in A4 sheet should be sent by email to the coordinator/convener.

## Accommodation

The participants are requested to book their accommodation. In case delegates wish, details of hotels will be made available to them. No TA/DA will be paid to the participants.

## The City of Durgapur

Durgapur is a city in the state of West Bengal, India, located about 180 KMs west of Kolkata, in the district of Burdwan. The National Institute of Technology Durgapur, (formally known as Durgapur Regional Engineering College [REC]) is an Institute of National Importance, and it is one of the most prominent seats of higher education, under the Ministry of Human Resource Development, Government of India.

## How to reach

The Institute is located about 180 KMs north-west of Kolkata on the Howrah-Delhi Railway-Route. The nearest railway station is [IR Code- DGR]. NH 2 and SH 9 pass through the city.

## About the Institute

National Institute of Technology (NIT) Durgapur is leading technical Institute offering undergraduate, post graduate and doctoral programs in various disciplines of engineering, technology, science, social science and management. The education system is holistic with equal important being attached to all-round development the students. NIT Durgapur established as a Regional Engineering College (REC) in 1960 as

joined venture of the government of India and government of West Bengal. REC Durgapur was converted to NIT Durgapur under the full administrative and financial control of the Ministry of Human Resource Development of Government of India with a deemed university status on 3<sup>rd</sup> July 2003. Subsequently NIT Durgapur has been given the status of a university by the UGC Act. The Institute was declared as an Institute of National Importance by the government of India on August 15, 2007.

## Department of Mathematics

The Department of Mathematics of the Institute has enjoyed its glorious existence since inception, particularly excelling in its research activities. A good number of Ph.D. degrees has been awarded under supervision of faculty members of the department and many are pursuing Ph.D. at present. Research is being carried out in the frontier areas like Operations Research, Computational Graph Theory, Fuzzy Mathematics, Coding and Information Theory, Statistical Analysis, Hypergraph, Optimization of Dynamical System, Mathematical Ecology, Computational Fluid Dynamics etc. The department also offers M.Sc. (Mathematics with Computer Applications) and M.Tech (Operations Research). Many students who have received their M.Tech and M.Sc. degrees from this department are serving now in different Institutes of higher learning in India/abroad. Besides teaching the faculty members are engaged in interdepartmental projects and research in the fields of Operations Research.

## Brief Theme of the Program

The course would begin with a revision of the basic concept of Graph Theory, Fuzzy Graph Theory, and Coding Theory. The main objective of this course is to provide impetus and motivation for further research work in this area. Fuzzy Graph Theory is applicable to various fields like Environmental Science, Social Science, Geography, Linguistics etc. Fuzzy Graph Connectivity plays a remarkable role in information networks and quality based clustering. It is also applicable to any dynamical system where the values of all estate variables are known for at least two points in time.

## REGISTRATION FORM

### Self-Sponsored Courses On Recent Advances In Graph Theory, Fuzzy Graph Theory and Coding Theory (RAGFCT-2016) 25 – 29 January, 2016

Name: .....

Designation: .....

Address for correspondence:

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.....  
.....

Mob. No: .....

E-mail: .....

Sex: ..... Age : .....

Accommodation needed: YES / NO

Veg / Non-Veg: .....

Date of Arrival: .....

Date of Departure:

.....

Tick whichever is applicable

Academic / R & D Institute

Industry

Research Scholar / Student

Plan to attend the workshop

Wish to present a paper

Amount paid: RS .....

Signature of Participants



## Organizing Committee

### Patron:

Prof. Asok De, Director, NIT  
Durgapur

### Coordinator:

Dr. Anita Pal  
Dept. of Mathematics  
NIT Durgapur

### Convener:

Dr. Satya Bagchi  
Dept. of Mathematics  
NIT Durgapur

### Members:

Prof. K. Basu  
Dr. S. Sarkar (Mondal)  
Dr. S. Kar  
Dr. L.K. Dey  
Dr. P. Pal  
Dr. S. Maitra  
Dr. G. Panigrahi

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[satya5050@gmail.com](mailto:satya5050@gmail.com)



## Course Schedule and Methods:

**Date:** 25 – 29 January, 2016

**Time:** Between 5:30 PM – 7:30 PM

The course would consist of lecture sessions, instruction sessions, discussion on problem and paper presentation.

### Eligibility:

Students/ Faculty Members/ Professionals with background of any branch in science and engineering.

### Important Dates:

**Deadline of Application:**

January 18, 2016

**Notification of acceptance of Application:**

January 20, 2016

**Course Dates:**

January 25-29, 2016

### Registration Fee:

Students from NIT Durgapur: Rs 100  
Faculty from NIT Durgapur : Rs 500  
Students and Faculty members from Academic/ R&D Institution : Rs 500



## Announcement and Call for Papers

Self-Sponsored Course  
On  
Recent Advances  
In  
Graph Theory, Fuzzy Graph  
Theory and Coding Theory  
(RAGFCT-2016)

25 – 29 January, 2016



**Organized By:**  
Department of Mathematics  
National Institute of Technology  
Durgapur  
Mahatma Gandhi Avenue  
Durgapur 713209  
West Bengal, India