

*A TEQIP-II sponsored  
Five-day short-term course on*

*“Methodology and Ethics in  
Research”  
(STCMER 2016)*

*September 19 to 23, 2016*



*Organized by  
Departments of  
Biotechnology,  
Civil Engineering  
Information technology  
Electrical Engineering  
Mechanical Engineering  
and Mathematics*

National Institute of Technology  
Durgapur,  
M. G. Avenue, Durgapur – 713209  
[www.nitdgp.ac.in](http://www.nitdgp.ac.in)

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Prof. S. Ghosh, Dean (Academic)

**Coordinators:**

Dr. Subhankar Roy Barman  
Dr. Partha Sarathee Bhowmik  
Dr. Nirmal Baran Hui  
Dr. Pinaki Pal  
Dr. Pronab Roy  
Dr. Jaydeep Howlader  
Dr. Shantanu Pramanik

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**About NIT Durgapur:**

The National Institute of Technology, Durgapur is located at the heart of steel city of Durgapur, one of the fastest growing tier-II city, in the state of West Bengal. The Institute is located about 160 KMs north-west of Kolkata on the Howrah-Delhi Main Railway-Route and overlooking the National Highway No. 2 (the great Grand- Trunk Road). The Institute spreads over an area of 187 acres of land. It is fully residential and co-educational institute. At present, altogether about 5,000 students have been pursuing their Bachelor's, Master's and Ph.D. programmes, NIT, Durgapur.

The institute embarked upon its tireless journey in 1960 as a joint venture between Govt. of India and Govt. of West Bengal in the name of Regional Engineering College. Eventually, the institute got transformed into National Institute of Technology under the Ministry of Human Resource Development, Govt. of India in 2004. Over the last few decades NIT, Durgapur has evolved significantly bringing under its umbrella additional facets of education such as

Technology, Science and Research, which are complementary. The institute has now acquired a status of 'Institute of National Importance' through implementation of NIT Act, 2007. The institute has been declared as the lead institute under TEQIP programme of MHRD, funded by the World Bank.

### **Objectives:**

The training program is designed to impart the participants with knowledge of research methods, research process, use of research tools and techniques, writing and presentation skills to the young researchers. This program is intended to provide the participants with a broad overview of methods and concepts (both quantitative and qualitative research) as well as the software tools used in compiling the technical documents. By the end of the program, the participants should be confident in writing papers and producing data in graphical formats. They will also be able to better design their primary research studies as well as to quickly enter and analyze this information. Moreover, aspects of cyber security, copyrights, and patents will be covered during this study.

### **Brief Theme of the Program:**

#### **A. Thesis and Paper Writing Styles**

1. Techniques of Writing Research Papers
2. Latex style File
3. Word Style File

4. Figure compilations
5. Plotting tool

#### **B. Promotion of Innovation - IPR Policies**

1. Creating awareness about the need and importance of innovative research.
2. Counseling and organizing research work for deliverable innovation.
3. To identify value in research and innovation.
4. To develop suitable infrastructures for protection and management of innovation
5. Appropriate strategies for commercialization of innovation

#### **C. Cyber Security**

1. Basic concepts of cybercrimes
2. Countermeasures

#### **D. Psychological aspects**

1. Value & ethics in research
2. Methodology of making the right moves: PhD and beyond
3. Stress management
4. Countermeasures

Thought provoking lectures by editor-in-chief, Legal and police personnel, representative of patent office, Psychiatrists & Maharaj of RKM will be organized.

#### **Who May Benefit:**

Newly recruited faculty members and Research scholars will be highly benefited. At the end of the course, it is expected that the

participants will be able to deal with appropriate problem and methodologies as relevant.

#### **Resource Personel (tentative):**

- Maharaj from RKM
- Director, CMERI
- Prof. Kamala Banerjee, Retd. Professor, Dept. of HSS, NIT Durgapur
- Representatives from editorial office, Springer-link
- Representative from the Patent & Design Office Kolkata, West Bengal
- Representative from Cyber Crime Branch, Kolkata / ADPC.
- Mr. Sujit Kumar Mukherjee, OC, ADPC
- Advocate Rajarshi Roy Chowdhury, Cyberguru
- Dr. Kedar Ranjan Banerjee, Counseling Psychologist
- Dr. Subhankar Roy Barman
- Dr. Partha Sarathee Bhowmik
- Dr. Nirmal Baran Hui
- Dr. Pinaki Pal
- Dr. Pronab Roy
- Dr. Jaydeep Howlader
- Dr. Shantanu Pramanik

**Registration form for STCMER, 2016:**

Apply on a blank page with following details.

Name: \_\_\_\_\_

Participant category: research scholar /  
faculty / scientist / PG student / other  
(specify)

Name of the organization:  
\_\_\_\_\_

Address:  
\_\_\_\_\_

Phone:  
\_\_\_\_\_

Email ID:  
\_\_\_\_\_

Signature:  
\_\_\_\_\_

Date:  
\_\_\_\_\_

**Or** through:

[https://docs.google.com/forms/d/1-jXWQfX\\_wWLieKgJ4UgvE2D60A0bwI5j-XWzUQQHkXI/edit?usp=sharing](https://docs.google.com/forms/d/1-jXWQfX_wWLieKgJ4UgvE2D60A0bwI5j-XWzUQQHkXI/edit?usp=sharing)

**Registration fees:**

- Faculty member of Academic Institutes: Rs. 1,500/-
- Industries / Research Scientists: Rs. 3,000/-
- Research Scholar of Academic/Research Institutes: Rs. 500/-
- Research Scholar of NIT Durgapur: Rs. 200/-

It includes working lunch on all the five days, registration kit and certificate. A maximum of 50 participants will be accommodated on a first come first serve basis.

**Mode of payment:** Cash

**Last date to apply:**

September 15, 2016

**Accommodation:**

Participants are requested to arrange for their own accommodations.

**Contact details:**

Any query must be addressed to:

- Dr. Subhankar Roy Barman  
9434789002
- Dr. Partha Sarathee Bhowmik  
9434788174
- Dr. Nirmal Baran Hui  
9434788117
- Dr. Pinaki Pal  
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- Dr. Pronab Roy  
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- Dr. Jaydeep Howlader  
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- Dr. Shantanu Pramanik  
9434788146

**Tentative Program Schedule:****Day 1 (Sept. 19, 2016):**

9.00-10.00	Registration
10.00-10.30	Inaugurations
10.30-11.00	Tea Break
11.00-12.30	Value and Ethics in Research – Maharaj
12.30-14.30	Lunch Break
14.30-16.00	Latex Template
16.15-17.30	Latex Style File for paper writing

**Day 2 (Sept. 20, 2016):**

10.00-11.30	Soft skill development
11.30-11.45	Tea Break
11.45-13.00	Research Methodology
13.00-14.30	Lunch Break
14.30-16.00	Laboratory Sessions
16.00-16.15	Tea Break
16.15-17.30	Laboratory Sessions

**Day 3 (Sept. 21, 2016):**

10.00-11.30	Structured Innovations
11.30-11.45	Tea Break
11.45-13.00	Patent drafting and filing
13.00-14.30	Lunch Break
14.30-16.00	Laboratory Sessions
16.00-16.15	Tea Break
16.15-17.30	Laboratory Sessions

**Day 4 (Sept. 22, 2016):**

10.00-11.30	Making the right moves; Ph.D. and beyond
11.30-11.45	Tea Break
11.45-13.00	Stress management
13.00-14.30	Lunch Break
14.30-16.00	Counseling psychology
16.00-16.15	Tea Break
16.15-17.30	Cyber ethics and laws

**Day 5 (Sept. 23, 2016):**

10.00-11.00	Cyber Crime by OC, ADPC
11.00-11.15	Tea Break
11.15-12.30	Panel Discussions
12.30-13.00	Valedictory Session
13.00-14.30	Lunch Break

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