

One Week Self Sponsored Short Term Training Program

On Elements of Research & Hands-on Session on Selection of Research Area, Reading and Writing of Research Paper

20- 24 March, 2017



Coordinators

Dr. Amit Keshav
Dr. Dharm Pal

Organized by
Department of Chemical
Engineering
&
Department of Mechanical
Engineering
National Institute of Technology
Raipur-492010, Chhattisgarh

Introduction

The objective of this programme is to promote scientific research and to motivate budding researchers. The beginner in research often faces difficulties, starting from searching research area, guide, research organisation etc. After research begins, there are many hurdles, such as how to select journals, how to write research papers, and so on. This program is interdisciplinary in nature and speakers are from different Engineering streams.

Research, refers to search for knowledge, is a systematic approach to gather information and to gain insight of the chosen topic. It involved the first step of defining a problem. Searching a literature/reading for information or research requires a defined strategy else the reader shall be lost in just searching and have very less findings.

Writing a paper is more important and it should have examined important scientific issues. Research paper have to original, controlled, correct, justified and should have a proper flow towards the hypothesis for which it's planned for. Writing an effective research paper reflects your identity as a true scientist. Later comes the result section where mere

presentation of experimental statistics doesn't serve a solution as those are mere numbers and need to be validated by various techniques both mathematical and computational.

Presentation of data is most important as it has direct correlation to the type and quality of work done and do create design strategies for future works.

Course Contents

The present STTP is intended to cover basic elements of research such as:

- Importance of quality research
- Methodology of research & its communication
- Selection of a research area/supervisor/organization
- Selection of journal/publisher
- How to write a research paper/report
- Literature review- Searching, reading and writing
- Elements of research report writing and use of latex
- Interpretation of research findings
- Statistical analysis of results using software's
- Advanced instrumentation/analysis
- Quality measures of journal/manuscript/researcher (impact factor, indexing, plagiarism)

- Research collaboration & effective utilization of resources
- Experience sharing of senior researchers

Beneficiaries

- Faculty members/ Scientists/
- Practicing and R&D Engineers
- Research Scholars & Students

Registration Fee Particulars

Sl. No	Participants	Registration Fee in Rupees
1	Students	1500
2.	Faculty/Scientists	2500
3.	Industry Delegates	3000

Applications in prescribed format and the course fee in the form of cheque or demand draft drawn in favor of “**Director, NIT-Raipur**” must reach the coordinator on or before **15th March, 2017**. Registration fee includes course materials and lunch.

Certificate will be given to the participants after successful completion of the course under the continuing education program of the institute. Boarding, lodging and travel expenses should be borne by the participants.

Address for Correspondence

Coordinators & main Teachers

Dr. Amit Keshav
Dr. Dharm Pal

E-mail

akeshav.che@nitrr.ac.in
dpsingh.che@nitrr.ac.in

Telephone (M)

07354148595

Chief-Patron

Dr. S. Tiwari, Director, NIT Raipur

Patron

Prof. A. K. Poonia
HOD, Chemical Engineering

Organizing Committee

<i>Faculty</i>	<i>Students</i>
Dr. (Mrs.) A B Soni	Anurag Tiwari
Dr. B. Mazumdar	Ghoshna Jyoti
Prof. V K Singh	Jagamohan
Dr. J. Anandkumar	Richa Gopal
Dr. S. Bhawmick	N Rajesh
Dr. P. Ghosh	
Dr. C. Thakur	

REGISTRATION FORM

STTP on “Elements of Research & Hands-on Session on Selection of Research Area, Reading and Writing of Research Paper”

(20- 24 March, 2017)

1. Name:

2. Designation:.....

3. Organization:.....

4. Mailing Address:.....

.....

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Telephone:.....

E-mail:.....

5. Payment Details:

Paid by (Draft No.).....

Datedfor Rupees.....

on Bank

DateSignature of Candidate

*Applications can also be made using the copy of this registration form. Please return this form duly filled in by **15th March, 2017**.
