

RESEARCH METHODOLOGY FOR SCIENCE, ENGINEERING AND MANAGEMENT

24 - 28 February 2018

Coordinators: Dr. R. Sridharan | Dr. G. Varaprasad



Organized by

DEPARTMENT OF MECHANICAL ENGINEERING
National Institute of Technology Calicut
NIT Campus P.O., Calicut - 673601, Kerala, India

INTRODUCTION

This programme on Research Methodology in Science, Engineering and Management is primarily targeted at persons interested in academic / sponsored / consultancy research. The participants will learn the research problem formulation, solution methods, data collection, data analysis and report writing. The participants will also learn the art and science of publishing high quality papers in journals and conferences. The programme will also be very useful to the faculty offering courses in research methodology. The participants can network with specialists and renowned researchers.

OBJECTIVE

The key objective of the program is to enable the participants to define a research problem and develop a suitable methodology for addressing the problem. The participants will also learn about the use of various data analysis methods in research. The programme will enable the participants to enhance their research writing skills.

EXPECTED OUTCOMES

Research in the field of science, engineering and management follows certain process such as formulation of the problem, research design, hypothesis formulation, data collection, data analysis, testing and revision of hypothesis. The outcomes of this programme will be:

- Well motivated students and faculty to pursue research
- Enhanced skill and knowledge in research methodology
- Adequate expertise in preparing research papers and research proposals

TOPICS

- Research Problem Formulation
- Systematic Literature Review and Meta-Analysis
- Data Collection
- Modelling and Optimization
- Development and Testing of Hypotheses
- Experimental Design and Analysis
- Research Report/ Paper Writing

RESOURCE PERSONS

Eminent Faculty from IITs, IIMs, NITs and other reputed institutions.

ABOUT NITC (www.nitc.ac.in)

NITC was set up in 1961 as Calicut Regional Engineering College (CREC). The Ministry of Human Resource Development, Government of India, accorded deemed university status under the name "National Institute of Technology Calicut (NITC)" to CREC in June 2002 granting it academic and administrative autonomy.

NITC has ten departments, nine centers and three schools. It offers nine undergraduate programs and twenty five post graduate programs apart from the Ph.D. program. The institute has good infrastructure in computing, information technology, laboratories and central library including digital library. All the departments have separate computing facility in addition to the central facility.

NITC is located about 22 kilometers north-east of Calicut City. Calicut, also known as Kozhikode, is known as the city of spices. Kozhikode beach, Kappad beach where Vasco De Gama landed first, Kadalundy bird sanctuary, Tusharagiri Waterfalls, Pazhassiraja Museum, Tali Temple and Kuttichira Masjid are some of the local attractions

Short-Term Training Programme on RESEARCH METHODOLOGY FOR SCIENCE, ENGINEERING AND MANAGEMENT

ELIGIBILITY

This is an interdisciplinary programme. Faculty from Arts & Science / Engineering / Management / Polytechnic colleges, Research Scholars, Post Graduate Students, Under Graduate Students and Persons from Industries and Research Organizations are eligible to apply.

REGISTRATION FEE (including GST)

Category	Registration Fee (Rs.)	Mode of Payment
External Participants(Faculty and Persons from Industries & Research Organizations	6,490	DD
Full Time Research Scholars and Students outside NITC	5,190	DD
Faculty and research scholars from NITC	1,100	In Person
UG and PG students from NITC	600	In Person

The registration fee includes charges towards registration kit, course material, working lunch and refreshments. The

DD shall be drawn in favour of “THE DIRECTOR NITC”, payable at SBI, NITC Branch Chathamangalam, Code No. 2207 and it has to be sent along with the application form. No TA/DA is admissible to the participants.

HOW TO APPLY?

Registration form can be downloaded from the institute website (www.nitc.ac.in). The filled in registration form along with the demand draft towards registration fee should reach the Coordinators on or before **20-02-2018**.

SELECTION

Selection will be on first-come-first-served basis and will be intimated through e-mail latest by **21-02-2018**. All further communications will be through e-mail only.

ACCOMMODATION

Lodging on nominal charges will be provided to external participants in the NITC hostels on prior request.

DECLARATION

The information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the programme. If selected, I shall attend the Programme for the entire duration. I also undertake the responsibility to inform the Coordinators sufficiently in advance, in case I am unable to attend the Programme.

Place: _____
Date: _____ Signature of the applicant

BONAFIDE CERTIFICATE

(Full Time Research Scholars and Students outside NITC)

Certified that Mr. / Ms
is a bonafide Research Scholar / Student of our institute / Department.

Place: _____ Signature of the Competent
Date: _____ Authority (with Seal)

COORDINATORS

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REGISTRATION FORM

Short-Term Training Programme On
**RESEARCH METHODOLOGY FOR SCIENCE,
ENGINEERING AND MANAGEMENT**
24 – 28, February 2018
National Institute of Technology Calicut

1. Name:
 2. a) Date of birth:..... b) Sex: Male/Female
 3. Designation:
 4. Institution:
 5. Address for communication
.....
.....
.....Pin Code:
 - Phone (STD code)..... Mobile:
 - Email:
 6. Qualifications:
 7. Specialization:
 - 8.Payment mode: Demand Draft (DD)/ Cash If D.D., please furnish the details:
D.D.Number:..... Date:.....
Name of Bank:
 9. Whether accommodation needed: Yes/No
- Place:..... Signature of the Applicant
Date:.....