

## Advisory Board

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Professor, Civil Engg., VNIT Nagpur

## Workshop Coordinators

### Dr. Udit Jain

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## Support Team

### Mr. Sandeep M.

Research Scholar, VNIT Nagpur

### Mr. Mayuresh Patil

Research Fellow, VNIT Nagpur

### Mr. Jagdish Gouda

Research Scholar, VNIT Nagpur

### Mrs. Priyanka Diwakar

Research Scholar, VNIT Nagpur

## About the Institute

Visvesvaraya National Institute of Technology, Nagpur is one of the thirty National Institutes of Technology in the country. It is an Institute of National Importance, named after Bharat Ratna Sir M. Visvesvaraya. Earlier, the Institute was known as Visvesvaraya Regional College of Engineering (VRCE). It was established in the year 1960 under the scheme sponsored by Govt. of India and Govt. of Maharashtra. The vision of institute is to contribute effectively to the national endeavour of producing quality human resource of world class standard by developing a sustainable technical education system to meet the changing technological needs of the country incorporating relevant social concerns and to build an environment to create and propagate innovative technologies for the economic development of the nation.



## About the Department

The Department of Civil Engineering is one of the finest and oldest engineering department of the Institute and stands with an immortal reputation. The department was formed along with the Institute itself and therefore is as old. The Department has highly educated and well experienced faculty members who endeavor to produce finest engineers, contributing incredibly to the nation. The alumni of the department are widespread in India and abroad, occupying high positions in their respective fields. The Department has an intake of 120 students per year under UG Course and 100 students per year under PG Courses.

## High-End Workshop

on

## Research Writing, Scientific Communication & Design Methodology in Engineering

18<sup>th</sup> – 22<sup>nd</sup> July 2022



### Organized by:

Department of Civil Engineering  
Visvesvaraya National Institute of Technology  
Nagpur

### Funded by:

Science & Engineering Research Board (SERB)  
under  
'Karyashala' Abhyas Programme  
Accelerate Vigyan Scheme

## Objective of the Course

- ✓ As desired by DST-SERB 'KARYASHALA', the course is intended towards "Abhyaas" mission.
- ✓ The course shall introduce to the different aspects of professional science communication including written communication, oral communication, reading and ethics in communication.
- ✓ This course introduces students to qualitative research and helps them understand how qualitative research supplements quantitative inquiry in human behaviour and the social sciences, thereby embarking the socio-scientific responsibility.

## Course Outline

- ✓ This course aims to introduce students to the important aspects of research.
- ✓ One of the aims of this course is to teach practical English without any textbook and avoiding references to formal grammar as far as possible.
- ✓ By going through this course, students are likely to be able to take up research activities in a more systematic and formal manner right from the beginning.

## Key Features

- ✓ Overview of research & thrust area identification
- ✓ Roles and responsibilities of a qualitative researcher
- ✓ Literature search & creativity in research
- ✓ Experimental & Modelling skills
- ✓ Ethics & IPR in research
- ✓ Introduction to Professional scientific communication & Research writing
- ✓ Structure of a scientific reports & manuscripts
- ✓ Writing process & Elements of Writing
- ✓ How to make technical presentation & Oral communication
- ✓ Innovative representation techniques
- ✓ Group Discussion & Interaction on various thrust research fields

## Tentative Schedule

Topics	Tentative Speakers
Research - An Insight	Dr. Sarvesh Chandra, IIT Kanpur (Retd. Faculty)
How to nurture creativity in Research	Dr. Yashwant B Katpatal, VNIT Nagpur
Publishing ethics & Scientific Writing for Journal Papers	Ms. Kamiya Khatter, Associate Editor, Springer
Latex for Technical Writing	Ms. Firuza Karmali, IIT Bombay
Framing Research Design & Methodology	Dr. Ajay R Tembhurkar, VNIT Nagpur
Psychology behind Research	Dr. Yogesh M Deshpande, VNIT Nagpur
Literature Survey and Elements of a Research Article	Dr. Ravikumar Dumpala, VNIT Nagpur
English Proficiency for Scientific communication	Dr. Karthik B, VNIT Nagpur
Enhancing Thinking Ability for Research / Innovative Representation Techniques	Dr. Sarika Bahadure, VNIT Nagpur
Writing Project Proposals for High-End Research	Dr. A.M. Kuthe, VNIT Nagpur
IPR Laws and Patent Filing	TBD

## Eligibility Criteria

The candidate should be pursuing PhD Degree in full time / part-time in any engineering or allied disciplines  
or  
The candidate should be pursuing a Master's Degree in full time / part-time in any engineering or allied disciplines

## Registration Details

- ✓ **The course is completely free of cost for all shortlisted participants (SERB norms).**
- ✓ **Travelling expenditure of 3AC train fare will be reimbursed** to all selected candidates upon submission of train tickets by the shortest route to and from Nagpur.
- ✓ **Accommodation will be provided to all selected candidates** by VNIT during the course in the hostels on sharing basis subject to availability.
- ✓ The participants are limited to **25 candidates only**.
- ✓ Preference shall be given to students from Tier-II / Tier-III institutes as per the norms of the Accelerate Vigyan "Karyashala" scheme.
- ✓ **Interested candidates should fill out the Google Form at the earliest: <https://tinyurl.com/vnit2022>**



**SCAN QR TO REGISTER**

- ✓ **NO REGISTRATION FEE**
- ✓ **TRAVEL REIMBURSEMENT**
- ✓ **FREE ACCOMMODATION**

## Important Dates

Last date for registration : 20<sup>th</sup> June 2022  
Notification to selected participants : 22<sup>nd</sup> June 2022

Shortlisted candidates will get complete instructions to deposit "Fully Refundable" Caution Money (₹ 1,000) and submit a No-Objection Certificate duly signed by their respective Head of the Department by 30<sup>th</sup> June 2022.

Course Dates (Physical Mode at VNIT Nagpur):  
18<sup>th</sup> - 22<sup>nd</sup> July 2022