



# National Centre for Mathematics

[www.ncmath.org](http://www.ncmath.org)

(A joint centre of TIFR and IIT Bombay)

## Advanced Training in Mathematics Schools

[www.atmschools.org](http://www.atmschools.org)

(Supported by National Board for Higher Mathematics)



### Teacher's Enrichment Workshop (TEW)

On

### "Analytical and Numerical Solutions of Ordinary and Partial Differential Equations (2023)"

Venue: Center for Applied Mathematics

International Institute of Information Technology, Naya Raipur (IIIT-NR), India (Dec 05 – Dec 10, 2023)



The Teacher Enrichment Workshop is a Programme funded by the National Centre for Mathematics (A joint centre of TIFR & IIT Bombay). The TEW is meant for college teachers to revisit and update their content knowledge. The lectures in this workshop cover specific topics that are relevant to the teachers' classroom instructions. An important component of this program is the discussion hour during which the teachers will have opportunities to get their doubts cleared and work-out routine to advanced exercises.

The main aim of this workshop is to enhance the basic understanding of Ordinary and Partial Differential Equations. The analysis (such as existence, uniqueness, stability, and convergence, etc.) of the numerical methods will be discussed by the esteemed speakers. In addition to this, the workshop will focus on developing the analytical, numerical, and computational skills of the participants. The numerical methods discussed will be helpful in research and also enhance their skills in teaching. This workshop will benefit the college and university teachers and thereby their undergraduate and post-graduate students.

#### INSTITUTIONAL ADVISORY COMMITTEE:

Prof. P. K. Sinha, Vice Chancellor & Director, IIIT-NR

Prof. Rajesh Ingle, Dean(Academics), IIIT-NR

Prof. K.G. Srinivasa, Dean (R & I), IIIT-NR

Prof. Rajarshi Mahapatra, HoD, ECE, IIIT-NR

Dr. P. P. Paltani, Head (I/C), Department of Science & Mathematics, IIIT NR

Dr. M.K. Chaube, Assistant Professor, Department of Science & Mathematics, IIIT-NR

Prof. S. S. Manoharan, Director General, PDEU

Prof. Dhaval Pujara, Director, SoT, PDEU

Dr. Poonam Mishra, HoD, Maths, PDEU

#### ORGANIZERS:

Dr. Chandra Shekhar Nishad  
Assistant Professor (Grade-I)  
Department Science & Mathematics,  
IIIT Naya Raipur, Chhattishgarh-493661  
Contact Numbers: 08887518935

Dr. Manoj Sahni  
Associate Professor  
Department of Mathematics  
PDEU Gandhinagar, Gujarat-382426  
Contact Numbers: 07874441820

#### Eminent Speakers:

- Prof. Natesan Srinivasan, IIT Guwahati
- Prof. Mohan Krishen Kadalbajoo, LNMIIT Jaipur
- Prof. G. D. Veerappa Gowda, TIFR CAM Bangalore
- Dr. M. K. Chaube, IIIT Naya Raipur

#### Contact Details:

Application Form and all other information about the Programme are available at <https://www.atmschools.org/school/2023/TEW/ansopde>