



# Five Days Online Short Term Course on "Software Tools & Techniques for Scientific Publications: ROOT, GNU Plot, GeoGebra" (Under TEQIP- III) (August 24- August 28, 2020)

## Objective of the Program

The Department of Physics in collaboration with Dept. of ECE & Dept. of Mathematics is organizing five days online Short Term Course on "Software Tools, & Techniques for Scientific Publications: ROOT, GNU Plot, GeoGebra" during August 24 to August 28, 2020.

This short term course aims to provide a comprehensive theoretical and hands on practical sessions on software tools (open source): ROOT (Developed by CERN, Geneva, based on C++), Gnuplotting, GeoGebra, along with the State-of-Art data analysis techniques. Further, hands on training on how to write a project report, thesis and resume will be provided.

## About MNIT Jaipur

The institute, established in 1963 as Malaviya Regional Engineering College, Jaipur, was conferred the status of National Institute of Technology on June 26, 2002. Fully funded by Ministry of Human Resource Development (MHRD), Government of India, this is ranked 35<sup>th</sup> among all engineering institutions across India for NIRF-2020 ranking. Extending into an area of over 317 acres of lush greenery, the institute campus is imaginatively laid-out with a picturesque landscape. It presents a spectacle of harmony in modern architecture, and natural beauty, which enthralls and inspires everybody who visits the campus.

## Resource Persons:

Experts from IITs and faculty from MNIT Jaipur will deliver the lectures and conduct the hands on sessions.

## Overview of the Program Module

1. **ROOT:** It is a an open source modular scientific software toolkit. It provides all the functionalities needed to deal with big data processing, statistical analysis, visualization and storage. It is mainly written in C++ but integrated with other languages such as Python & Jupiter.
2. **GeoGebra & Gnuplotting :** These software tools are used to visualize the geometry and produce the 2D graphs of data generated by other programs or from the experiment.
3. Training on how to write a paper, project report, thesis and resume.

## Registration

Registration is open to faculty members in all disciplines Post Doctoral Fellows, Research Scholars, PG and UG students.

Register by clicking: <https://rb.gy/l5cpan> and submit the form.

### Detail of Registration fee (including 18% GST):

Category	Amount
UG/PG/Ph.D. Students	Rs. 590/-
Faculty/Scientist/Post Doctoral Fellow	Rs. 1180/-

Registration fee needs to be remitted Online through NEFT to the Bank account given below. Proof of remittance of the requisite registration fee (with transaction number) shall be uploaded in the Google form.

### Mode of Payment:

▪**NEFT/IMPS:** The Registrar MNIT, Jaipur (TEQIP Phase- III)

Account No. 36875887782 IFSC CODE: SBIN0015921 (SBI, MNIT)

**Last date of registration is August 20, 2020**

## Organizing Committee

### Patron

**Prof. Uday Kumar R Yaragatti**

Director, MNIT Jaipur

### Advisor (s)

• **Dr. Rahul Singhal**

Head, Department of Physics

• **Prof. Vijay Janyani**

Head, Department of ECE

• **Prof. Satyendra Prasad Chaurasia**

Head, Department of Mathematics

### Convener

Dr. Kavita Lalwani (Department of Physics)

### Coordinator (s)

Dr. K. V. Kamma (Phy)

Dr. Anees Ahmed (Phy)

Dr. Sarthak Singhal (ECE)

Dr. Ritu Agarwal (Maths)

### Confirmation of Participation:

On receipt of the Google form and fee remittance receipt, participants will receive the confirmation of their participation through email by August 22, 2020. **Candidates are advised to register early before deadline.**

For further details, please contact @:

[coordinatorstc@gmail.com](mailto:coordinatorstc@gmail.com)

Mobile: +91-9549650180 (Dr. Kavita Lalwani)

+91-7376157421 (Dr. Sarthak Singhal)