

# Workshop on Mathematics Learning

The Department of Basic Sciences at IITRAM is organizing an online workshop in Mathematics from 17<sup>th</sup> January to 21<sup>st</sup> January. Some selected topics from various branches of Mathematics will be discussed in this workshop with an aim to motivate primarily M.Sc. students to pursue a career in Mathematics.

## Speakers and topics:

### Dr. Gautam Borisagar:

Group actions and its applications like Sylow's theorem and class equation.

### Dr. Sudhakar Chaudhary:

Existence and uniqueness theorem for ODEs (Picard's existence theorem).

**Dr. Manoj Choudhuri:** Inverse function theorem and implicit function theorem.

**Dr. Prakash Dabhi:** Some examples based on some standard theorems in analysis.

**Dr. Mohit Kumar:** Fuzzy sets and fuzzy logic: an introduction.

The workshop will be for five days between: **17th January 2022 and 21<sup>st</sup> January 2022.**

Each day will contain two sessions viz.: **05.00 pm to 06.30 pm and 06.45 pm to 08.15 pm.**

Deadline for Registration : **14th January 2022**

Link for registration: <https://forms.gle/CjESPDsMu6yiQJYG8>

## Fees:

The participants need not pay any fees to attend the workshop but registration is compulsory. Mode of sessions will be online. Link will be shared with the registered participants.

Organized by:

**INSTITUTE OF INFRASTRUCTURE, TECHNOLOGY,  
RESEARCH AND MANAGEMENT**

(An Autonomous University established by Government of Gujarat)

<http://www.iitram.ac.in>

