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Advanced Training in Mathematics Schools

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(Supported by National Board for Higher Mathematics)



TEW - Topology (2024)

Venue: Ramakrishna Mission Vivekananda Centenary College, Kolkata

(Dates: 5 Feb 2024 to 10 Feb 2024)

This workshop offers an introduction to some basic topics of topology which are generally taught in the second year second semester and third year in Mathematics honours courses. The main aim is to make the participants aware as how to introduce these topics to the students in interesting ways with lots of examples and to emphasis the interplay between the three topics.

This workshop is mainly intended for Young Faculty Members.

Organizers



Dr. Bikash Chakraborty
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Speakers



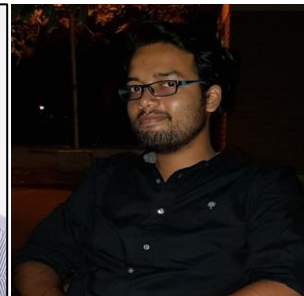
Prof. Pratulananda Das
Jadavpur University



Dr. Amiya Mondal
IISER Berhampur



Dr. Pabitra Barik
IISER Berhampur



Dr. Satyendra Kr. Misra
TCG Crest, Kolkata

Syllabus

Metric space topology, continuity, completeness, Banach fixed point theorem, Cantor's and Baire's theorem, General topology, generating topology, continuity, homeomorphisms, separation axioms, Product topology, compactness, local compactness, connectedness, path connectedness, Quotient topology, homotopy, homotopy equivalence, fundamental groups.

General Information

Last Date for receiving online applications: **10th January, 2024**

Number of Participants: **35**

The list of selected applicants will be put up in website after one week of last date of submission.

More Details: <https://www.atmschools.org/school/2024/TEW/topo/application-form>