



Teacher's Enrichment Workshop (TEW)

on

REAL ANALYSIS AND GROUP THEORY



organized by

Department of Mathematics

Punjab Engineering College (Deemed to be University)

Chandigarh - 160012

supported by

National Centre for Mathematics

A joint centre of IIT Bombay and TIFR, Mumbai



Patron



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About the Workshop

This Teachers' Enrichment Workshop (TEW) aims to familiarize college mathematics teachers with the fundamental concepts of real analysis and group theory. The workshop will focus on advanced topics in Real Analysis such as limits, continuity, differentiability, and convergence of sequences, along with fundamental concepts of Group Theory including Lagrange's theorem, isomorphism theorems, Sylow theorems, and classification of finite abelian groups. The workshop will emphasize a clear understanding of these topics and focus on simplifying the methods of mathematical proofs for participants, while also introducing the abstract nature of mathematics. A key feature of the program is the discussion and tutorial sessions, offering participants the chance to address their queries.

- University and College teachers can apply
- No registration fee
- Limited seats (30)
- Preference will be given to local participants
- Selected out-station participants will be provided free accommodation, subject to the availability
- No TA will be provided

Last Date of Registration: 24.11.2025

For any queries, please contact
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Speakers



Prof. Dinesh Khurana

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Dr. Surinder Pal Singh Kainth

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Dr. Saurabh Verma

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Registration link: <https://www.atmschools.org/school/2025/TEW/ragt/application-form>

About the Institute



Punjab Engineering College (Deemed to be University) (PEC) having its roots in Lahore as Mugalpura Engineering College since 1921, moved to its present campus in 1953 as PEC affiliated to Panjab University. The institute became Deemed University in 2003 through a MHRD notification. It is a Grant-in-Aid institution under administration of Union Territory of Chandigarh, Government of India. The institute has 146 acres sprawling and pious campus and is house of Chandigarh College of Architecture also. The academic and administrative processes are similar to IITs in the country. The institute offers 12 Undergraduate programmes and 15 Post graduate M. Tech. programmes in various disciplines of engineering and technology. After becoming a university, the institute has also started Ph.D programme in various disciplines of engineering, science, management, humanities and social sciences. The admissions to UG and PG programmes are made through national level examinations namely JEE (Mains) and GATE, respectively. There are 11 academic departments and 6 centres of excellence. PEC also offers institute fellowships (GATE/TA/RA) and fellowships from external government bodies like CSIR, UGC, and DST for full-time Ph.D students.

About the Department



The Department of Mathematics came into independent existence in December 2022, prior to this it constituted a section of the Department of Applied Sciences. The Department of Mathematics offers two compulsory courses namely (i) Calculus (ii) Linear Algebra, Differential Equations and Vector Calculus to B.Tech. 1st year. The Department has laboratory equipped with Mathematica software which helps students understand mathematical concepts more effectively. Department has started B.Tech program in Mathematics and Computing in 2024 with an initial intake of 30 students. Besides this, the Department also offers open elective courses and minor specialization courses for B.Tech, M.Tech and Ph.D programs. All the faculty members of the Department are Ph.D and are actively engaged in several research areas such as General Topology, Fuzzy Topology, Nano Topology, Rough set theory, Decision-making, Algebra, Coding Theory, Computer Graphics, Operations Research, Multi objective Optimization, Fuzzy Theory, Operator Theory, Spectral Theory, Abstract Harmonic Analysis, Fractal Geometry. The Department also provides facilities for research leading to the degree of Doctor of Philosophy.