



Malaviya Mission Teacher Training Centre

Assam University, Silchar



Invites you to a
Two-Week Online Refresher Course

“Refresher Course in Mathematics and its Applications”

Organized by **Department of Mathematics**, Assam University, Silchar
Under the aegis of **MMTTC**, Assam University, Silchar

🕒 Dates: 29 December 2025 – 12 January 2026 **📶 Mode:** Online
Four sessions/day (1.5 hours each), Two Weeks (12 working days)

Theme: Pure and Applied Mathematics
colleges and universities

Target Participants: Faculty members from
Format: Four sessions/day

Programme Highlights

- ✅ Enhance and update knowledge in both pure and applied mathematics.
- ✅ Strengthen theoretical foundations in Real & Complex Analysis, Functional Analysis, Abstract Algebra, Number Theory, and Linear Algebra.
- ✅ Bridge theory and practice via Fluid Mechanics, Inventory Management, Mathematical Modelling, Fuzzy Optimization, and O.R.
- ✅ Promote interdisciplinary thinking, research orientation, and improved pedagogy.

- Research preparedness: identify gaps and formulate problems in pure/applied math.
- Application-oriented insight with real-world and interdisciplinary problem solving.
- Improved pedagogy for UG/PG mathematics teaching.
- Interdisciplinary competence across engineering, economics, O.R., and data analysis.
- Confidence in mathematical computing and modelling techniques.

Sub-Themes

Real Analysis; Complex Analysis; Functional Analysis; Abstract Algebra; Number Theory; Linear Algebra; Fluid Mechanics; Inventory Management; Mathematical Modelling; Fuzzy Optimization; Operations Research; Differential Equations.

Eligibility & Schedule

Eligibility: Faculty members of Universities/Deemed/Affiliated/Private institutions in Mathematics and allied disciplines.

N.B.: Participants who have already completed a Faculty Induction Programme (FIP) or an Orientation Programme of at least 24 days are eligible for this Refresher Course.

Time: 10:00 AM – 5:00 PM (Four sessions/day, 1.5 hrs each).

Last date to apply: 27 December 2025. *No Registration Fee.*

Objectives & Expected Outcomes

- Enhanced conceptual understanding of advanced topics and analytical ability.

Programme Committee

- **Chief Patron:** Prof. Rajive Mohan Pant, Vice Chancellor, AUS
- **Patrons:** Prof. R. Balakrishnan (Director, UGC-MMTTC, AUS); Prof. K. Dutta Choudhury (Dean, AESOPS, AUS)
- **Coordinator:** Prof. Ajay Kr. Singh (Dy. Director, UGC-MMTTC, AUS)
- **Programme Coordinator:** Prof. Nabendu Sen

(HOD, Mathematics, AUS)

- **Programme Co-Coordinator:** Dr. Sumit Saha; Dr. Naba Kanta Sarma (Dept. of Mathematics, AUS)

Certification

Participants attending all sessions and completing evaluations will receive a certificate of successful completion.

Registration: *No Registration Fee.* Scan the QR code to register.

✉ **Queries (Email):** sumitsaha_math@yahoo.co.in — kanta.naba@gmail.com

📞 **Contact (Phone):** Sumit Saha: +91 94352 13169 — Naba Kanta Sarma: +91 70027 94523

🌐 **Web:** www.aus.ac.in/mmttc-aus/



Scan to Register

Department of Mathematics, Assam University, Silchar — For academic queries: Department office (AUS)

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