CENTRAL SANSKRIT UNIVERSITY

(Under Ministry of Education, Govt. of India)
GURUVAYOOR CAMPUS, PURANATTUKARA
THRISSUR, KERALAM 680 551

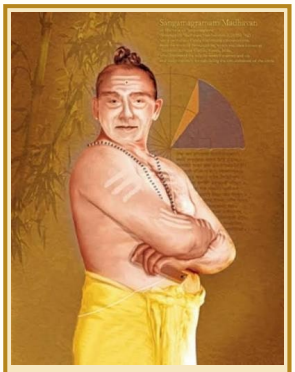
In collaboration with Madhava Ganitha Kendram, Keralam

FACULTY DEVELOPMENT CENTRE

6-DAY SHORT TERM PROGRAMME

Offline Mode

FOUNDATIONS OF ANALYSIS: BRIDGING CLASSICAL INDIAN & KERALA MATHEMATICS WITH MODERN REAL ANALYSIS



Dates: 04 January 2027 - 09 January 2027	Time: 10:00 AM - 5:00 PM (IST)	Duration: 6 Days

ABOUT THE PROGRAMME

This programme aims to introduce and explore the logical foundations, algorithmic methods, and computational insights of Classical Indian and Kerala Mathematics, with special reference to the works of Madhava of Sangamagrama and the Kerala School of Mathematics. The programme will bridge these classical methods with modern real analysis, providing participants with deeper insights into their mathematical reasoning, historical evolution, and applications in university teaching.

Major Topics:

- Overview of Classical Indian and Kerala Mathematics.
- Logical structure and proof techniques in the works of Madhava of Sangamagrama and successors.
- Algorithmic methods for series expansions of trigonometric functions (sine, cosine, arctangent, etc.).
- Algorithms for the computation of pi and related constants.
- Infinite series, convergence, error estimation, and their links to modern real analysis.
- Computational procedures for astronomical and mathematical problems.

REGISTRATION DETAILS

- **Last Date for Application:** 20 December 2026
- **Registration Fee:** Should be remitted only after confirmation.
- **Registration Link:** https://forms.gle/TTycyQMvaG1ENDfx7

Click here to fill the form

Certificates will be issued to all active participants upon successful completion of the programme.

CONTACT US

Phone:

Prof. K. Viswanathan – Convener FDC – 9061605851
Dr. Shivaji V. N. – Joint Convener FDC – 9632161750
Dr. Ganesh Krishna Bhat – Programme Coordinator FDC – 8618259488

Email:

ptkuriakkosesmritibhavan@gmail.com