THE NEXUS PERSPECTIVE

The convergence of Mathematics, Economics, Artificial Intelligence, and Data Science offers powerful tools to understand complex systems and address emerging challenges. By integrating mathematical modelling, economic analysis, and computational intelligence, NEXUS 2026 aims to promote innovative, data-driven solutions and evidence-based decision-making. The conference provides an interdisciplinary platform for research, knowledge exchange, and collaboration among academicians, researchers, and industry experts.

All accepted extended abstracts will be published in the Conference Proceedings with ISBN.

REGISTRATION & CONTACT DETAILS

Website: www.alphonsacollege.in/nexus-2026
Email: nexus2026@alphonsacollege.in
Registration: https://forms.gle/juTskn3wWHkSgj1N9
Contact No. : 8281879099, 9495989269

Mode of Presentation: Hybrid

ADMINISTRATIVE COMMITTEE

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REGISTRATION FEE

Faculty Members: 1000/-
IndustryPersonal: 1000/-
Research Scholars: 800/-
Students: 500/-

ORGANIZING COMMITTEE

Convenor : Dr. Sonia K Thomas
Co-Convenor : Ms. Smitha Clary Joseph
Staff Co-ordinators : Faculty Members, Dept. of Mathematics & Economics

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ALPHONSA COLLEGE PALA

Re-accredited by NAAC with 'A+" Grade (5th Cycle)
Affiliated to Mahatma Gandhi University, Kottayam, Kerala



NATIONAL CONFERENCE ON THE NEXUS OF MATHEMATICS,ECONOMICS, AI & DATA SCIENCE

Organised by:

DEPARTMENT OF MATHEMATICS & DEPARTMENT OF ECONOMICS, ALPHONSA COLLEGE PALA

NOVEMBER 19–20, 2026

Venue : Multimedia Hall, Alphonsa College Pala



DAY 1 | 19 NOVEMBER 2026

Registration-9.00 AM

INAUGURAL SESSION (9.00AM-10.30 AM)

Welcome : **Dr. Sr. Sonia K Thomas** (HOD, Dept.of Mathematics)

Presidential Address : **Rev. Dr. Joseph Kaniyodickal** (Manager)

Inauguration : **Dr. K K Jose** (Director, School of Maths, Statistics & Data Analytics, Mahatma Gandhi University, Kottayam)

Keynote Address : **Dr. Tessy Tom** (Associate Professor of Mathematics & Computer Science and Research Associate, Cyber Security and Digital Twin Technologies Research Centre, Jain (Deemed-to-be University), Bengaluru)

Felicitation : **Prof. Dr. Sr. Minimol Mathew** (Principal)

Vote of Thanks : **Smt.Smitha Clary Joseph** (HOD, Dept.of Economics)

SESSION I (10:30AM-11.30 AM)

Speaker : Dr. Tessy Tom (Associate Professor of Mathematics & Computer Science and Research Associate, Cyber Security and Digital Twin Technologies Research Centre, Jain (Deemed-to-be University), Bengaluru)

Topic: *The Nexus Point:From Mathematical Intelligence to Human Well-Being– Where Mathematics, Artificial Intelligence and Human Values Converge*

TEA BREAK

SESSION II (11:45 AM – 1.00 PM)

Speaker: Dr. Reetha Thomas (Assistant Professor, Indian Institute of Information Technology Kottayam, Valavoor, Keralam)

Topic: *Mathematical Foundations of Physics-Informed Graph Neural Networks for Spatio-Temporal Data Science*

LUNCH BREAK

SESSION III (2:00 PM – 3.15 PM)

Speaker : Dr. Sini Sabu (Lecturer, Madras School of Economics, Kotturpuram, Chennai, Tamil Nadu)

Topic: *From Economic Data to Intelligent Decisions: AI and the Future of Economic Analysis*

TEA BREAK

Paper Presentation Session (3.30 PM-4.30 PM)

DAY 2 | 20 NOVEMBER 2026

SESSION IV (9:30 AM – 11.00 AM)

Speaker : Dr. Krishna Nair J (Assistant Professor, School of Social Sciences and Humanities, VIT-AP University, Amaravati, Andhra Pradesh)

Topic: *Beyond Bounded Rationality: AI, Information Asymmetry and the Economics of Decision-Making*

TEA BREAK

SESSION V (11:15 AM – 1.00 PM)

Speaker : **Mr. Nithin M** (Assistant Professor, Department of Development Economics, Kerala Agricultural University, Thrissur, Keralam)

Topic: *Rethinking Consumer Sentiment in the Data Economy; How Data Non-rivalry-Explains the Anomalies of the permanent Income Hypothesis*

LUNCH BREAK

SESSION VI (2:00 PM – 3.00 PM)

Speaker : Dr. Aswin VS (Assistant Professor, School of Digital Sciences, Digital University Kerala, Thiruvananthapuram, Keralam)

Topic: *A Soft Profile-Conditioned TD3 Framework for Adaptive-Risk Multi-Asset Portfolio Optimization*

Paper Presentation Session (2:00 PM – 3:00 PM)

TEA BREAK

VALEDICTORY FUNCTION (3.15 PM-4.00PM)