



SRI SATHYA SAI INSTITUTE OF HIGHER LEARNING
(Deemed to be University)

In collaboration with

**Indian Society for Mathematical Modeling and
Computer Simulation (ISMMACS)**

As part of Sri Sathya Sai Centenary Celebrations



Presents

Faculty Development Programme (FDP) on

ADVANCES IN MATHEMATICAL MODELING TECHNIQUES, AI/ML & BIOINFORMATICS

Date: 12-19 April 2025

An initiative of Centre For Excellence in Mathematical Biology (CEMB)

 sssihl.edu.in/cemb



TOPICS COVERED

- Machine Learning
- Optimal Control Theory
- Parameter Estimation
- Network Modeling
- Stochastic Modeling
- Bifurcation Theory
- Bio-Informatics
- Nutritional Science

EVENT INFORMATION

- Mode: Online
- 12-19 April 2025
- Lectures & Hands-On Sessions
- Who can apply: Faculty | Researchers | Masters Students | Industry Professionals

FEE DETAILS

- Registration Fee: ₹1000 + GST, i.e., 18%
- Bank Account Details:
- Account Name: Sri Sathya Sai Institute of Higher Learning
- Bank Name & Branch: Canara Bank, Puttaparthi
- Account Number: 2351101005980
- IFSC: CNRB0002351



**CLICK HERE FOR
REGISTRATION**

**ON OR BEFORE
10 APRIL 2025**

CONTACT US



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ABOUT THE FDP

This online FDP focuses on advanced mathematical methods, covering key topics such as Machine Learning, Optimal Control Theory, Parameter Estimation, Network Modeling, Stochastic Modeling, Bifurcation Theory, Bioinformatics and Nutritional Science. Combining theoretical insights with hands-on training, the program is open to faculty members, post-doctoral researchers, PhD students, and industry professionals working in allied areas, aiming to enhance research and practical applications.

RESOURCE PERSONS

- Dr. Abhishek Pandey, Yale School of Public Health, USA
- Dr. Akash Yadav, BHU, Varanasi
- Dr. Akhil Kumar Shrivastav, ISGlobal, Barcelona, Spain
- Dr. Akriti Srivastava, Galgotias University, Greater Noida
- Dr. Anuj Kumar, TIET, Patiala
- Dr. Bapan Ghosh, IIT Indore
- Prof. Deepa Sinha, SAU, Delhi
- Dr. Jyoti Maurya, Invertis University, Bareilly
- Dr. Partha Sarathi Mandal, NIT Patna
- Dr. Ritesh Kumar Dubey, SRM IST, Chennai
- Dr. Surabhi Pandey, Technical Consultant, Freelance, Delhi
- Dr. Tanuja Das, University of Montreal, Canada
- Dr. A. Sumana, SSSIHL, Puttaparthi
- Dr. K. N. Naresh, SSSIHL, Puttaparthi

ABOUT ISMMACS

The International Society for Mathematical Modeling and Computer Simulation (ISMMACS) is dedicated to advancing research and innovation in mathematical modeling and computational simulation. It fosters collaboration across disciplines to develop innovative, real-world solutions.

ABOUT SSSIHL

Founded in 1981, Sri Sathya Sai Institute of Higher Learning (Deemed to be University), Prasanthi Nilayam, embodies Bhagawan Sri Sathya Sai Baba's vision of "Education for Human Transformation." It offers free, merit-based quality education to students of all backgrounds. With four campuses across Andhra Pradesh and Karnataka, the institute hosts students nationwide for undergraduate, postgraduate, professional, and research programs.

ABOUT CEMB

CEMB empowers society through mathematical innovation, developing pioneering solutions for public well-being. Our vision is to harness mathematical modeling for impactful, real-world applications. Committed to translating research into action, we strive to drive positive change and create a brighter future for all.

PATRONS

- Prof. B. Raghavendra Prasad, Vice-Chancellor, SSSIHL
- Dr. Srikanth Khanna, Registrar, SSSIHL
- Prof. Pallav Kumar Baruah, Dean of Sciences, SSSIHL

PROGRAM COORDINATORS

- Dr. D. K. K. Vamsi – CEMB, Convenor
- Dr. Prashant Kumar Srivastava, IIT Patna, Joint Secretary of ISMMACS, Co-convenor
- Dr. N. B. Gayathri – DMACS, Co-convenor
- Dr. K. N. Naresh – DBIO, Co-convenor
- Dr. Sumana – DFNS, Co-convenor

*Along with
Department of Mathematics and Computer Science (DMACS), Department of Biosciences (DBIO) &
Department of Food and Nutritional Sciences (DFNS), SSSIHL*