

REGISTRATION DETAILS

External Faculty: Rs. 1500/-

Faculty Researchers: Rs. 1000/-

Students: Rs. 500/-

Industry: Rs. 2500/-

Internal Faculty (HITS): Rs. 1000/-

The registration form has to be filled and mailed to gvijays@hindustanuniv.ac.in on/before 20 June 2019. Fee can be paid in the form of Demand Draft drawn in favour of " Hindustan Institute of Technology and Science " payable at Chennai. For account transfer A/C No. 25540200000001. IFSC Code: IOBA0002554, Bank Name & Branch: Indian Overseas Bank, Padur.

CHIEF PATRON

Dr. Mrs. Elizabeth Verghese
Chancellor

PATRONS

Dr. Anand Jacob Verghese, Pro-Chancellor
Mr. Ashok Verghese, Director
Dr. Aby Sam, Director
Dr. K.P. Isaac, Vice Chancellor

STEERING COMMITTEE

Dr. Pon Ramalingam, Registrar
Dr. G. Ilavazhagan, Director (Intl. Affairs)
Dr. N. Vasudevan, Dean (Academics)

CONVENER

Dr. A. Anitha
Head of the Department

TECHNICAL ADVISORY COMMITTEE

Dr. Nanadakumar K., Director (Research)
Dr. Baby Joseph, Dean (Research)

CO-CONVENERS

Dr. A. Saravanan, Associate Professor
Mr. G. Vijay Samuel, Assistant Professor (S.G)

CONTACT US

Conveners – Summer Workshop
Department of Chemical Engineering
Hindustan Institute of Technology & Science
P.B. No.1, Rajiv Gandhi Salai
Padur, Chennai 603 103
Email: gvijays@hindustanuniv.ac.in
Mobile: 99524 51033

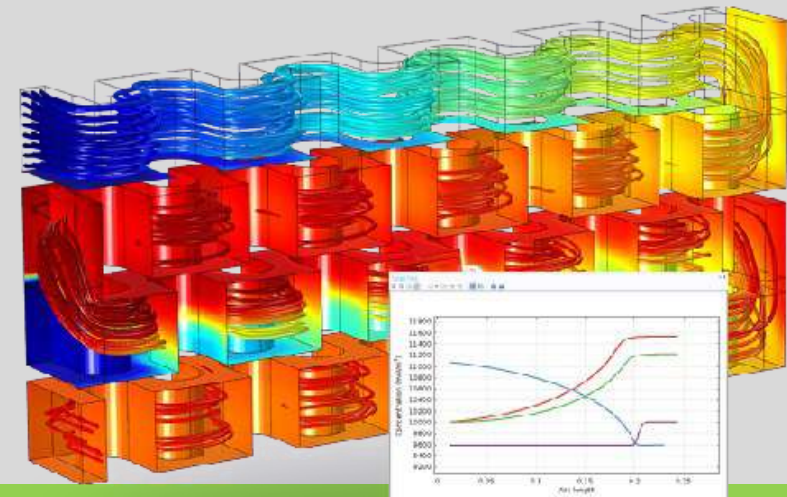


HINDUSTAN
INSTITUTE OF TECHNOLOGY & SCIENCE
(DEEMED TO BE UNIVERSITY)



A Summer Workshop on **MATHEMATICAL MODELING** AND **COMPUTATION IN PROCESS INDUSTRIES**

June 28-29, 2019



Organized by

Department of Chemical Engineering

Hindustan Institute of Technology & Science

About Summer Workshop

The workshop will focus on training the faculty, research scholars & PG students of various institutions working in Chemical, Civil, Mechanical, Automobile Engineering on the basics of modeling and simulation. Modeling is the process of producing a model; a model is a representation of the construction and working of some system of interest. A model is similar to but simpler than the system it represents. One purpose of a model is to enable the analyst to predict the effect of changes to the system. On the one hand, a model should be a close approximation to the real system and incorporate most of its salient features. On the other hand, it should not be so complex that it is impossible to understand and experiment with it. A good model is a judicious tradeoff between realism and simplicity. Simulation practitioners recommend increasing the complexity of a model iteratively. An important issue in modeling is model validity. Model validation techniques include simulating the model under known input conditions and comparing model output with system output. Simulation is used before an existing system is altered or a new system built, to reduce the chances of failure to meet specifications, to eliminate unforeseen bottlenecks, to prevent under or over-utilization of resources, and to optimize system performance. The outcome of this workshop will be understanding the concept of modeling and application of simulation techniques in research and academics.

PROGRAMME SCHEDULE

DAY 1

Session 1	10.00 AM - 12.30 PM	Application of Simulation Software in Process Industries Mr. Edwin Jensen N.S Director Chemsys Process Engineering Private Limited Chennai
Session 2	1.30 PM - 4.00 PM	Latest trends in Process Plant Information Systems Dr. Balasubramaniam Scientist, Saint Gobain, Chennai

DAY 2

Session 1	10:00 AM – 12:30 PM	Modeling of Wastewater Treatment Process Dr.R. Saravanathamizhan Associate Professor. Dept. of Chemical Engineering AC Tech, Anna University. Chennai
Session 2	1.30 PM – 4.00 PM	Role of Optimisation Software in Chemical Industry Mr. D. Gokul Deputy Project Manager, Small Satellite Launch Vehicle, Satish Dhawan Space Centre - Shriharikota ISRO

About HITS

Hindustan Institute of Technology and Science (HITS) is a prestigious Institution accredited with “A” grade by NAAC, Govt. of India. QS, the reputed International Ranking Agency has awarded an overall rating of three star to the University, five star for Academicians, Employability, Facility, Innovation and Inclusiveness. HITS has completed over three decades of dedicated service to the Nation. It has a cosmopolitan ambience with high calibre and learned faculty, who are thought leaders, consultants, technology implementers and inventors. The Institution is driven by the virtuous vision of the founder Chairman, Late Dr. K.C.G. Verghese, “To Make Every Man a Success and No Man a Failure” and is devoted to the excellence in research, Teaching and Learning. HITS focuses on Internationalization which has led to long standing academic collaboration and MoU’s with renowned partner Institutions and global organizations. The Institution has been consistently ranked among the best Institutions in the country which aspires to emerge into Global Educational Institution.

About the Department

The Chemical Engineering Department was established in the year 2009 and offers B. Tech and Doctoral Degree programme in Chemical Engineering and Biotechnology. The department is multi-disciplinary with faculty expertise ranging from Process Engineering, Biotechnology, Polymer Science, Nanotechnology and Environmental Engineering. The department has well established laboratories along with good infrastructure to carry out research. The Department has a strong desire of forging innovative alliance with industries to achieve academic excellence along with updated training on current professional practices. The Department offers technical expertise for problem solving through institute-industry interaction. The Department also organizes conferences, symposium, workshop every year and other technical events seminar, guest lecture etc.

