

Topics to be covered

- Simpler Algorithms and Lattice Boltzman methods
- Computational Issues in Biological Methods and its applications
- Finite Elements
- Machine Learning Algorithms
- Hyper parameters used in Machine Learning

Who can attend?

Students, Research Scholars and Faculty Members of Mathematics, Life Sciences and Computer Science can participate.

Resource Persons

Dr.P.Kandasamy, FNASc.,

Retired Professor, Dept of Mathematics,
Bharathiar University, Coimbatore
Tamil Nadu
(Technical Session – I and VIII)

Dr. GirijaJayaraman, FNASc.,

Professor, Centre for Atmospheric Sciences
IIT, Delhi. (Technical Session – II and V)

Dr. V.Raghavendra,

Professor
Department of Mathematics and Statistics
IIT, Tirupathi (Technical Session – III and VI)

Dr. M.Sreedevi

Professor and Head
Dept of CST, MITS, Madanapalle
(Technical Session – IV)

Dr.S.Padma

Asst Prof,
Department of CST, MITS, Madanapalle
(Technical Session – VII)

Organizing Committee

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Dr.N.Vijaya Bhaskar Choudary

Secretary & Correspondent

Patron

Dr.C.Yuvaraj

Principal

Organizing Secretary

Dr.M.Sreedevi

Head of the Department

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Dr.P.Kandasamy, FNASc.,

Retired Professor, Dept of Mathematics,
Bharathiar University, Coimbatore
Tamil Nadu

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Dr.S.Padma

Asst Prof, Department of CST
MITS, Madanapalle

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Indian National Science Academy, New Delhi
The National Academy of Sciences, Allahabad
Indian Academy of Sciences, Bangalore

Sponsored

Science Academies' Virtual Lecture Workshop on
" Scientific Computations"

On

08th & 09th October, 2021
(Friday & Saturday)



**Organized by Department of
Computer Science & Technology**



**MADANAPALLE INSTITUTE OF
TECHNOLOGY & SCIENCE**

(UGC - AUTONOMOUS INSTITUTION)

www.mits.ac.in

Madanapalle - 517325, Chittoor Dist., Andhra Pradesh, India



Programme Schedule

Title of the Talk	Resource Person
Day 1 : 08.10.2021, Friday	
Simpler Algorithms	Dr.P.Kandaswamy, FNASc.,
Computational issues in Biological modelling Part I	Dr.Girija Jayaraman, FNASc.,
Introduction to Finite Elements – Theoretical Part- I	Dr.V.Raghavendra,
Machine Learning Algorithms	Dr.M.Sreedevi
Day 2 : 09.10.2021, Saturday	
Computational issues in Biological modelling Part II	Dr.Girija Jayaraman, FNASc.,
Introduction to Finite Elements – Theoretical Part - II	Dr.V.Raghavendra
Machine Learning – Hyper Parameter	Dr.S.Padma
Lattice Boltzmann Method	Dr.P.Kandaswamy, FNASc.,

Registration

No registration fee will be charged. Participants can register their names in the following link on or before 06.10.2021. Number of participants will be restricted to 150 only. eAttendance certificate will be issued to all the participants.

Online Registration Form :

<https://forms.office.com/r/Y7rLddG3HZ>

About the Institution

Madanapalle Institute of Technology & Science is established in 1998 in the picturesque and pleasant environs of Madanapalle and is ideally located on a sprawling 26.17 acre campus on Madanapalle - Anantapur Highway (NH-205) near Angallu, about 10km away from Madanapalle.

MITS, originated under the auspices of Ratakonda Ranga Reddy Educational Academy under the proactive leadership of Late Sri. N. Krishna Kumar M.S. (U.S.A), the then President and Dr. N. Vijaya Bhaskar Choudary, Ph.D., Secretary & Correspondent of the Academy.

MITS is governed by a progressive management that never rests on laurels and has been striving conscientiously to develop it as one of the best centers of Academic Excellence in India. The Institution's profile is firmly based on strategies and action plans that match changing demands of the nation and the students fraternity. MITS enjoys constant support and patronage of NRI's with distinguished academic traditions and vast experience in Engineering & Technology.

About the Virtual Lecture Workshop

The workshop is designed to provide the basic and advanced concepts of "Scientific Computations" through virtual mode. It will be conducted through "Microsoft Teams" platform in which all the participants, resource persons and organizing committee members will be connected virtually. Essential requirements are desktop/laptop/smart phone with good internet speed, webcam and headphone/ microphone.

About the Department

The Department of Computer Science & Technology (CST) was established in the year 2018 and plays a vital role in producing value-based professionals to cater to the ever challenging needs of technical excellence in the emerging areas of CST.

The department offers one UG program with an intake of 60 students and it was enhanced to 180 seats in the year 2019. Department has adequate infrastructural facilities required for imparting high quality education and the department is fully structured to meet the contemporary needs of the industry. Imparting high quality education is supported by well qualified and experienced faculty members with rich academic and industry exposure, who have pursued Masters/Ph.D degree from prestigious institutions like NITs, IITs, and Central Universities within India and abroad. Seminars, Workshops, and Technical Symposia are conducted in the department to keep faculty and students updated with latest developments in various technologies. The student strength of the department is around 500.

For Further Details Contact:

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