

Programme Schedule

Title of the Talk	Resource Person
Day 1 : 10.12.2020 (Thursday)	
Streaming Algorithms: A paradigm for Dealing with Big-Data - I	Dr. Saket Sarubh, FNASc.,
Computational Techniques	Dr. P. Kandaswamy, FNASc.,
Machine Learning – How and Why of feature weights?	Dr. S.Padma
Introduction to Structural Bioinformatics & it's applications in discovery of drugs and vaccines using Machine Learning	Dr. Debasisa Mohanty, FNASc.,
Day 2 : 11.12.2020 (Friday)	
Impact of Emerging Technologies and Challenges in Cyber Security / Physical System and its Threats / Attack	Dr. K. K. Soundra Pandian Ph.D (IIT Patna), PostDoc(NYU)
Streaming Algorithms: A paradigm for Dealing with Big-Data - II	Dr. Saket Sarubh, FNASc.,
Optimization Techniques	Dr.K.Dinesh

Registration

No registration fee will be charged. Participants can register their names in the following link on or before 08.12.2020. Number of participants will be restricted to 150 only. eAttendance certificate will be issued to all the participants. 80% attendance is mandatory.

Online Registration Form : <https://forms.gle/jyU41t5hwxNGN63p7>

For Further Details Contact:

Dr.S.Padma

Asst Prof, Department of Computer Science & Technology
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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
“ Modern Computational Techniques”



Organized by
Department of Computer Science & Technology
10th & 11th December, 2020 (Thursday & Friday)

About the Virtual Lecture Workshop

The workshop is designed to provide the basic and advanced concepts of "Modern Computational Techniques" 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 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 Sri.N.Krishna Kumar M.S.(U.S.A), 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 student fraternity. MITS enjoys constant support and patronage of NRI's with distinguished academic traditions and vast experience in Engineering & Technology. The Institution focuses on this vision, to become a globally recognized research and academic institution and thereby contribute to technological and socio-economic development of the nation. The Institution is an autonomous Institution executing five major courses including twenty one branches. The Institution was recognized by various Apex bodies globally. The Institution is strengthened by nearly 450 highly qualified faculty members and nearly 8000 students. Research and Development is much focused by the Institution to promote the STEM education which leads to innovation.

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.

Topics to be covered

- **Streaming Algorithms: A paradigm for Dealing with Big-Data**
- **Computational Techniques**
- **Machine Learning – How and Why of feature weights?**
- **Introduction to Structural Bioinformatics & its applications in discovery of drugs and vaccines using Machine Learning**
- **Impact of Emerging Technologies and Challenges in Cyber Security / Physical System and its Threats**
- **Optimization Techniques**

Who can attend?

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

Resource Persons

Dr. Saket Sarubh, FNASc.,
Institute of Mathematical Sciences
Chennai,
(Technical Session – I and VII)

Dr. P. Kandaswamy, FNASc.,
Professor and Head (Retd.)
Department of Mathematics
Bharathiar University
Coimbatore 641 046
(Technical Session – II)

Dr.S.Padma
Asst. Prof, Department of CST
MITS, Madanapalle
(Technical Session – III)

Dr. K. K. Soundra Pandian
Ph.D(IIT Patna), PostDoc(NYU)
Scientist, & Public Grievance Officer,
Government of India
Ministry of IT (MeitY),
New Delhi-110003
(Technical Session – V and VI)

Dr. Debasisa Mohanty, FNASc.,
National Institute of Immunology
New Delhi
(Technical Session – IV)

Dr.K.Dinesh
Asst. Prof, Department of CST
MITS, Madanapalle
(Technical Session – VIII)

Organizing Committee

Chief Patrons
Dr.N.Vijaya Bhaskar Choudary
Secretary & Correspondent

Patrons
Dr.C.Yuvaraj
Principal

Sri N.Krishna Kumar
Chairman

Dr.M.Sreedevi
Head of the Department

Convener

Dr. Saket Sarubh, FNASc.,
Institute of Mathematical Sciences
Chennai

Coordinator

Dr. S. Padma
Asst. Prof, Department of CST
MITS, Madanapalle

Members

Dr.K.Dinesh, Asst. Prof
Dr. T.Kalaipriyan, Asst. Prof
Dr. R.Rajakumar, Asst. Prof
Dr. Muralidhar Pantula, Asst. Prof
Mr. R.Sendhil, Asst. Prof
Mr. S.Thangam, Asst. Prof