



VIT-AP
UNIVERSITY

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5-Day International Workshop on Applicable Mathematics for Science and Engineering - Recent Advances (ONLINE MODE)

16th to 20th February 2023

Organised by
Department of Mathematics

School of Advanced Sciences, VIT-AP University, Andhra Pradesh, India

Conveners:

Prof S Srinivas & Dr B Satyanarayana

Organizing Secretaries:

Dr V Ramakrishna Reddy & Dr N Rajashekar

Joint Organizing Secretaries:

Dr Anil Negi & Dr M Varunkumar

Invited Speakers:

1. Dr Anuj Mubayi, Associate Professor, Arizona State University, USA
2. Dr Aruchnan Elayaraja, Senior Lecturer, University of Malaya, Malaysia
3. Dr N Kohilavani, Senior Lecturer, University of Malaya, Malaysia
4. Dr G Sreedhar Rao, Senior Lecturer, University of West Indies, West Indies
5. Dr J V Ramana Reddy, Assistant Professor, Tohoku University, Japan
6. Dr Manoranjan Mishra, Professor, IIT-Ropar
7. Dr PVS Murthy, Professor, IIT-Kharagpur
8. Dr TVS Shekhar, Professor, IIT-BBS
9. Dr D Srinivasacharya, Professor, NIT-Warangal
10. Dr Ch Aswini Kumar, Professor, VIT, Vellore
11. Dr J Annapurna, Professor, VIT, Vellore
12. Dr BSRV Prasad, Associate Professor, VIT, Vellore
13. Dr Raja Das, Associate Professor, VIT, Vellore
14. Dr Peri K Kameswaran, Associate Professor, VIT, Vellore
15. Dr Anant Kant Shukla, Assistant Professor, VIT Bhopal
16. Dr Pankaj Shukla, Assistant Professor, VIT Chennai
17. Dr Faizan Danish, Assistant Professor, VIT-AP University, Amaravati
18. Dr Byron Smith, Sr Scientist, Petrochemical Industry, Bangalore
19. Dr Aravind Ganapath from Wolfram (MATHEMATICA)
20. Mr Akhil Gopinath from Math works (MATLAB)

Registration Fee:

For Indian Participants: 300/-
For Foreign Participants: 8\$

Registration link: <https://tinyurl.com/mv8shk8c>

Important: Last date for registration is 14-02-2023.

For more details, please visit: www.AMSE23.com

Online platform: The workshop will be conducted online mode in MS Teams. Workshop schedule and online links will be communicated to your registered email id on 14-02-2023.

Contact details:

Dr. S Srinivas 9894243574
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Shaikpet, Hyderabad - 500 104



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Scan to Register



Registration Link : <https://tinyurl.com/mv8shk8c>

E-Certificate
for participation

About the University:

VIT-AP University founded under the eminent guidance of Founder and Chancellor Dr. G Viswanathan has emerged as one of the promising and prominent academic institutes in the country. Despite being a young institute, the excellent and unique quality of the teaching-learning experience, research and innovations show the aspiration of the institute to become a global leader. In fact, VIT-AP University has ranked as No.1 in the emerging state private universities in India by the Outlook University Ranking 2022.

VIT-AP attracts students from almost all states of India because of its academic excellence. The University comprises of 7 prominent schools viz., School of Computer Science and Engineering (SCOPE), School of Electronics Engineering (SENSE), School of Mechanical Engineering (SMEC), School of Advanced Sciences (SAS), School of Social Sciences and Humanities (VISH), School of Business (VSB) and School of Law (VSL) with around 300 faculty members dedicated to fulfill the needs of various engineering and science departments. Almost all faculty members in the university are doctorates and are actively involved in teaching, learning and research.

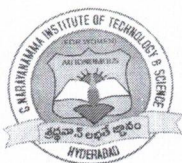
About the School:

The Departments of Mathematics, Physics, and Chemistry are housed under the School of Advanced Sciences (SAS) of VIT-AP University. Through project-based learning, students are taught here how to think critically much more instead of just what to think. Throughout their studies, students are encouraged to inquire, discover, and do exploration in a wide range of scientific fields. Our educational institution's mission is to educate students at the graduate, postgraduate, and doctoral levels about the most recent advances in science and technology while also laying a strong foundation in the natural sciences. We want to be an important part of the growth and development of the country by turning out highly skilled professionals and doing cutting-edge research. SAS works hard to reach its goal of being a leader in research and technology development at the local, regional, national, and international levels.

The Department of Mathematics at VIT-AP, has 49 dedicated faculty members with two exclusive programmes in Data Science at the undergraduate and postgraduate level besides fulfilling the needs of the various schools of Engineering, Business and Law. All faculty members are doctorates and are actively involved in research activities in addition to their regular teaching activities. The department is instrumental in setting scholastic standards and contributes holistically in developing young engineers and scientists. The department offers several research opportunities in a wide spectrum of areas of Mathematics such as Fluid Dynamics, Computational Fluid Dynamics, Solid Mechanics, Functional Theory, Network and Graph Theory, Fractal Theory, Lie Algebras, Stochastic Processes, Coding Theory, Theory of Computation, Fuzzy Logics, Optimal Control Problems, Numerical Methods, Cosmology etc.

About the workshop:

This workshop aims to provide an able forum for an exchange of ideas in different aspects of Applicable Mathematics in Science and Engineering. It draws particular emphasis to the understanding of the modelling aspects to real-world problems. Also this workshop provides necessary hands-on sessions using modern software tools like MATLAB, MATHEMATICA, R and CFD. Expert lectures will be delivered by eminent experts from various reputed organisations (India and abroad). The scope of AMSE 2023 covers Bio fluid dynamics, Heat and Mass Transfer, Mathematical Biology, Statistics and Data Science to name a few. This workshop will introduce new perspectives to solving potential problems using various software and help participants sharpen their skills, refine their ideas and update developments in the subject domain.



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Department of Humanities and Mathematics

2022-23

REPORT

International Workshop on **“Applicable Mathematics for Science and Engineering- Recent Advances”**

Date of program: 16-02-2023 to 20-02-2023

Resource person: 1) Prof. Anuj Mubayi 2) Prof. Elayaraja Aruchunan 3) Prof. Kohilavani Nagarathan 4) Sreedhar Rao Gunakale 5) Prof. J V Ramana Reddy 6) Prof. Manoranjan Mishra 7) Prof. PVS N Murthy

About the Program: The international workshop conducted by VIT-AP was very useful for all academia. Many Eminent Personalities in the field of mathematics gave lectures on Applications of Mathematics in Science and Engineering. Prof. Anuj Mubayi, USA gave a guest lecture on “Complexity in evaluating value of Health Technologies for Communicable Diseases. This workshop provided an able forum for an exchange of ideas in different aspects of Applicable Mathematics in Science and Engineering. It has drawn particular emphasis to the understanding of the modelling aspects to real-world problems. Also this workshop provided necessary hands-on sessions using modern software tools like MATLAB, MATHEMATICA, R and CFD. The scope of AMSE 2023 covered Bio fluid dynamics, Heat and Mass Transfer, Mathematical Biology, Statistics and Data Science to name a few. This workshop introduced new perspectives to solving potential problems using various software and helped participants sharpen their skills, refine their ideas and update developments in the subject domain.

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