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Registration link:

<https://vtop1.vitap.ac.in/FDPM/Conferenceinitial>



5-Day Faculty Development Program on "Mathematics in Engineering and Science - Importance and Applications"

Chairperson:
Prof S Srinivas, Dean, SAS

Organizing Secretaries:
Dr V Ramakrishna Reddy
Dr Venkatrajam Marka
Dr Faizan Danish
Dr K Mahipal Reddy

Organized by: Department of Mathematics
School of Advanced Sciences,
VIT-AP University, Andhra Pradesh, India
(Virtual Mode)
(02 - 06 January 2024)

Convener:
Dr Satyanarayana Badeti

Joint Organizing Secretaries:
Dr N Rajashekar
Dr K Durga Prasad
Dr V Raja
Dr Prashant Patel

About VIT-AP University, Amaravati

VIT-AP University, established under the eminent guidance of Founder and Chancellor Dr. G Viswanathan, has become one of the most promising and prominent academic institutes in the country. The institute's aspiration to become a global leader is reflected in the excellent and unique quality of its teaching-learning experience, research, and innovations, even though it is a young institute. VIT-AP University has been ranked No.1 in the emerging private universities in India by the Outlook University Ranking 2022 and 2023. 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 450 faculty members dedicated to fulfill the needs of various engineering and science departments.

About the Faculty Development Program - MES 2023

The Faculty Development Program focuses on developing various strategies used in teaching Mathematics in Engineering and Science effectively. The program will help improve the teaching-learning process systematically by deliberating on major concepts and practices. Also, this FDP will provide necessary hands-on sessions using modern software tools like MATLAB, MATHEMATICA, Python and R. The FDP will not only strengthen the understanding of mathematical concepts but also offer an ideal opportunity for participants to understand recent research trends in mathematics and enhance their knowledge in their respective research areas. As part of this FDP, expert lectures will be delivered by eminent experts from various reputed organisations.

The FDP will empower all participants to learn mathematics with the right perspective. It will help in the physical understanding of problems with intuition to independently model and analyze using possible analytical methods, the mathematical equations that arise in their respective fields of study. They will be able to interpret results, and also visualize graphically.

Topics covered: Vector Calculus, Differential Equations - IVP and BVP, Linear Algebra, Integral Transforms, Complex Variables, Partial Differential Equations Numerical Methods, Statistics, Discrete Mathematics & Graph Theory, Optimization Techniques, MATLAB, MATHEMATICA, Python & R

List of Invited Speakers:

Dr Shalabh, Professor, IIT Kanpur,
Dr K C Sivakumar, Professor, IIT Madras,
Dr Y V S S Sanyasi Raju, Professor, IIT Madras
Dr Pradeep G Siddeswar, Professor, CHRIST University, Bangalore
Dr B. Cheluva Raju, Professor, Bangalore University
Dr A S V Ravi Kanth, Associate Professor, NIT Kuruksheetra
Dr Vikas S. Krishnamurthy, Assistant Professor, IIT Hyderabad
Dr Girish Kumar Rajan, Assistant Professor, IIT Tirupati
Dr B S R V Prasad, Associate Professor, VIT Vellore
Dr Raja Das, Associate Professor, VIT Vellore

About the Department of Mathematics

The Department of Mathematics at VIT-AP, has 70 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, Perturbation Methods, Cosmology etc.

Registration Fee : For Indian Participants: 400/-
For Foreign Participants: 105

Registration & Payment Link: <https://vtop1.vitap.ac.in/FDPM/Conferenceinitial>

1. Last date for registration and payment: 31-12-2023.
2. The FDP will be conducted on Virtual mode. FDP online link will be provided to all registered participants.
3. For more details, please visit: www.mes2024.in

Contact us :
Dr Satyanarayana Badeti Mobile No: 9789353450
Dr V Ramakrishna Reddy Mobile No: 9133073225

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Practical Aspects of ICT Tools & Online Teaching in Current Scenario

14-20 November 2022
Time: 05:30 PM to 07:00 PM

Online Course Fees

(Students) Complete Program Rs. 200/-

(Academicians) Complete Program Rs. 300/-

Platform

Google Meet (Live at Youtube & Facebook)

info@researchfoundationofindia.com
www.researchfoundationofindia.com
https://researchfoundationofindia.com/ict-tools-online

Subject Experts

Day-1 (14 November 2022)
Dr. Chandra Jais
Associate Professor, Symbiosis University of Applied Sciences, India
Responsibilities of Teachers and HEI

Day-2 (15 November 2022)
Dr. Sushil Sharma
IEEE Member, Prof. Dr. Jai Singh Institute of Technology, India
Department of Computer Science, Engineering and Design Services
Outcome based Education

Day-3 (16 November 2022)
Dr. Priyanka Chandra
Prestige Institute of Management and Research, India
ICT and Effective Presentation skills

Day-4 (17 November 2022)
Dr. Suresh Dabney
Prestige Institute of Management and Research, India
Preparation of E-Certificates

Day-5 (18 November 2022)
Ms. B. Resnick
Assistant Professor, St. Ann's College for Women, Hyderabad
ICT Tools for Teachers in HEI

Day-6 (19 November 2022)
Dr. Virek Singh
Associate Professor, Computer Science & Engineering, GATE University, India
Developing E-Content

Day-7 (20 November 2022)
Dr. Ramesh Shukla
Senior Lecturer, B. Sc. & B. Ed. Coordinator, Smt. Chaiti Market Girls' Christian College, Indore
LMS Platforms

Moderators of the Day

Day-1
Dr. Indira Bhatt
MP State Coordinator, Research Foundation of India

Day-2
Dr. Pooja Sharma
MP State Coordinator, Research Foundation of India

Day-3
Dr. Prashant Datt
President, Indian Conference Forum, Research Foundation of India

Day-4
Dr. Shreshth Chhabra
Coordinator - India sector, Chhatra Mandal, Research Foundation of India

Day-5
Prof. Shyama Anand
Managing Director, Hyderabad - Student Wing, Indian Chapter

Day-6
Dr. Kamla Dixit
Coordinator, India Zone, MP State, Research Foundation of India

Day-7
Dr. Ganjan Shukla
MP State Vice-President, Research Foundation of India

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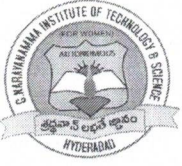


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Department of Humanities and Mathematics

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 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 vale 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.

D.Swamy
Asst.Professor,
H&M Dept., GNITS.

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