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About the FDP

The present FDP aims to highlight the recent developments in a variety of problems in Mathematics and Statistical computing etc. This FDP is expected to provide a prominent platform for the researchers interested in pursuing problems in the field of applied mathematics to address the real-world problems. Another notable aspect of the development programme is to introduce the modern mathematical software packages like R, SPSS and Mathematica that are needed for addressing the computational challenges arising in solving the mathematical models.

Speakers

Prof. S. Srinivas, VIT-AP University

Prof. G. S. G. N. Anjaneyulu, VIT-Vellore.

Dr. S.K. Khadar Babu, Associate Professor, VIT – Vellore.

Dr. B.S.R.V. Prasad, Assistant Professor senior grade-II, VIT-Vellore.

Registration Link for FDP

https://docs.google.com/forms/d/e/1FAIpQLS emcjniXayvyDXD7vAqBjbUq7skkwPZ6pOt kQMgTXlqNM4I9w/viewform?usp=sf_link

Last date of Registration: 21-10-2021



FACULTY DEVELOPMENT PROGRAM ON RECENT TRENDS IN MATHEMATICAL AND STATISTICAL TECHNIQUES (FDP-MITWPU) October 22-23, 2021

Organized by

Faculty of Science
School of Mathematics and Statistics
**Dr. Vishwanath Karad Maharashtra
Institute of Technology-World Peace
University (MIT-WPU)
Pune, Maharashtra, India– 411038**

World Peace Dome



World Peace Dome is the Biggest Dome of the World. Situated in Pune-India, it is a Monument having World Peace Prayer Hall & World Peace Library which is open to the Global Community and is Dedicated for World Peace and Humanity.

About MIT-WPU

With the sole objective of meeting the long felt need for a centre of scientific and educational research, which would meet the challenges of the present and the future, MIT Group of Institutions was established as a society and charitable trust. Since then, the MIT Group of Institutions has grown exponentially and has made a strong impact in the field of education throughout the country. Today, the MIT Group provides education in the fields of Engineering, Medicine, Pharmacy, Marine Engineering, Insurance, Distance Education, Telecom Management, Lighting, Design, Food & Technology, Retail Management, Masters in Business Administration, School of Government and School Education.

Faculty of Sciences

The faculty of science is striving hard towards the mission of imparting innovative skills and value-based quality education through academic excellence which provides a platform for the students to achieve their career goals. This can be achieved only when you all take on the responsibility of fully focusing on engaging in the learning process while investing all efforts and time to be an innovative and creative thinker.

The faculty of science includes Mathematics, Physics and Chemistry disciplines. The School offers B.Sc, M.Sc., and Ph.D. programmes in these domains. The faculty of the entire School comprises qualified and goal-oriented members whose research expertise includes major frontier areas in Mathematics and Statistics, Physics, Chemistry.

Department of Mathematics and Statistics

The School of Mathematics and Statistics at MIT-WPU comprises of 23 faculty members dedicated to fulfil the needs of all the engineering departments. All the faculty members are actively involved in research activities in addition to the regular teaching activities.

The faculty members and research scholars are engaged in research covering some of the frontline topics of Mathematics and Statistics, collaborating with reputed academicians in India and abroad. There are groups in

the department engaged in different areas of pure and applied mathematics including Algebra, Analysis, Lattice Theory, Combinatorics, Graph Theory, Matroid Theory, Discrete Mathematics and Statistics. MIT-WPU believes in 'Career Services'. This includes placements, higher studies, internships, entrepreneur support as well as career guidance and advice. We at MIT-WPU believe that there are multiple facets to each individual and that we must foster them all for their progress. A degree in mathematics open doors to various careers like finance, medical technology, teaching, software development, research and many more. Department of Mathematics was established in the year 1983 together with the establishment of MIT, Pune which from 2017 is known as the School of Mathematics and Statistics. The school offers postgraduate programs in mathematics and statistics, as well as a doctoral research program for highly motivated students looking to pursue an academic or industrial career in Mathematics or Statistics. The department has introduced a new Bachelor of Science (BSc. CMS) program in computational Mathematics and Statistics. Apart from that we also offer courses starting from basic undergraduate Mathematics to specialized courses on advanced Mathematics and Statistics for BTech, MTech and B.Sc.(Computer Science) students. The curriculum of all the programs is rigorous as per international standards. We believe in holistic development of students and therefore yoga, peace study and rural immersion program are important key features of all our programs. Our unique MIT-WPU Teaching Methodology includes MOOC courses, Industry and Teaching internships, two teacher method and specialized lab courses.

MIT-WPU believes in 'Career Services'. This includes placements, higher studies, internships, entrepreneur support as well as career guidance and advice. We at MIT-WPU believe that there are multiple facets to each individual and that we must foster them all for their progress.

DETAILED PROGRAMME SCHEDULE

Day	Date	Time	Session No.	Topic	Speaker
1	October 22, 2021	2PM to 3PM	1	Best practices for University Teachers of Mathematics	Prof. S. Srinivas Professor, Vellore Institute of Technology, VIT-AP University, Andhra Pradesh
1	October 22, 2021	3PM to 4PM	2	Advanced theory of Rings, semirings and their projection in public key cryptography, digital signature	Prof. G.S.G. N. Anjaneyulu Professor, Vellore Institute of Technology, Vellore, Tamil Nadu
2	October 23, 2021	10AM to 11AM	3	Basic Objective, Notions of cryptography and proficient implementation of Groups in Digital Domain	Prof. G.S.G.N. Anjaneyulu Professor, Vellore Institute of Technology, Vellore, Tamil Nadu
2	October 23, 2021	11AM to 12 Noon	4	A discussion for the beginners of research in fluid dynamics	Prof. S. Srinivas Professor, Vellore Institute of Technology, VIT-AP University, Andhra Pradesh
2	October 23, 2021	2PM to 3PM	5	Statistical Hypothesis for Robust Technology	Dr. SK. Khadar Babu Associate Professor Vellore Institute of Technology, Vellore, Tamil Nadu
2	October 23, 2021	3PM to 4PM	6	Mathematical modelling of Biological and Ecological system	Dr.B.S.R.Y. Prasad Assistant Professor Senior grade-II, Vellore Institute of Technology, Vellore, Tamil Nadu

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