



Prof. Komaravolu Chandrasekharan
A great Mathematician from the soil of Bapatla
(1920-2017)

A Five Day International FDP on

Applications of Mathematics in Various fields with Innovative Approaches (AMVFIA - 23)

21st - 25th November 2023



Organized by



Department of Mathematics
Bapatla Engineering College
(Autonomous)

Mahatmaji Puram :: BAPATLA - 522 102.
ANDHRA PRADESH.

INTRODUCTION

In view of 103rd Birthday Celebrations of a Great Mathematician: Dr. Komaravolu Chandrasekharan garu from the Soil of Bapatla, the Department of Mathematics, Bapatla Engineering College, Bapatla will be organising A Five Day International FDP on "Applications of Mathematics in Various Fields with Innovative Approaches" (AMVFIA - 23).

This FDP provides awareness on current developments in Mathematics from multiple domains. The program is intended to update existing knowledge in faculty members and create a deeper interest in various fields of Mathematics. This FDP will provide insight into applications of Number Theory, Differential Equations, Machine Learning, Functional Analysis, Linear Algebra and Graph Theory. This FDP also includes concepts of Machine Learning which helps us for data analysis and to build analytical models that understand data. In many aspects, Applications of Mathematics with conceptual approaches definitely enrich the faculty members for enhancing their knowledge in multifarious fields.

It will provide an opportunity for faculty working in AICTE approved engineering colleges and UG/PG colleges affiliated to various Universities to learn about the current state of research and techniques in mathematical sciences.

OBJECTIVES

- ✦ To foster a culture of lifelong learning process among faculty members by motivating them to remain up to date on cutting-edge research, educational needs, and creative approaches to teach mathematics.
- ✦ To promote interdisciplinary approaches among faculty members, showing how mathematical ideas may be used in a variety of academic fields and real-world situations.
- ✦ To serve as corner stone of the continuous improvement and enriching the knowledge in faculty members with innovative teaching methodologies.

DOMAINS TO BE COVERED

- ✓ Linear Algebra
- ✓ Differential Equations
- ✓ Graph Theory
- ✓ Functional Analysis
- ✓ Machine Learning
- ✓ Number Theory

CONTENT DELIVERY

Renowned resource persons from various prestigious academic institutions would be delivering lectures and sharing their knowledge with the participants.

ABOUT THE COLLEGE

Bapatla Engineering College (Autonomous) is one of the seven Educational Institutions founded and run by BAPATLA EDUCATION SOCIETY. The society was established in the year 1962 registered No:58/1962 under societies act XXI of 1860 with the objectives to ensconce and run the Educational & Cultural Institutions. The college was established in 1981 with a total of 42 years of service to nation.

- The college runs 27 programs in both UG and PG.
- The college is one of the "Oldest Institutions in the State of Andhra Pradesh".
- The college is widely acclaimed for its meticulous planning, resource scheduling and Institutional management.
- The college has autonomous status with ISO Certification and NAAC 'A+' accreditation.

ABOUT THE DEPARTMENT

The Department was established in the year 1981 in which the college was started and have well qualified, experienced and motivated faculty in different specialized areas.

The Department was originally intended to cater the needs of Engineering, offered M.Sc (Mathematics) course with an intake of 40 students in 1989. The Department was recognized as a Research Centre by Acharya Nagarjuna University from Academic year 2003-04. So far 3 Ph.D's and 10 M. Phil's were awarded.

REGISTRATION PARTICULARS

- ✓ There is **NO REGISTRATION FEE** to attend the FDP.
- ✓ Faculty from Various AICTE recognised Institutions and UG/PG Colleges affiliated to various Universities can attend the FDP
- ✓ **Last date of Registration to FDP is 19-11-2023**

REGISTRATION

Please use the following link for registration
<https://qrco.de/beVbx8>

CERTIFICATE

Upon successfully attending all the sessions and submitting daily feedback forms, participants will receive e-certificate.

RESOURCE PERSONS

Dr. N. SUDHAKAR
Professor, Dept. of Computer Science,
Bapatla Engineering College, Bapatla.

Dr.P. ANURADHA KAMESWARI
Professor, Dept. of Mathematics,
Andhra University, Visakhapatnam.

Dr. J. BHASKAR BAPUJI
Professor, Dept. of Mathematics,
Anna University, Chennai.

Dr. N. PHANI KUMAR
Professor & Head, Dept.of Mathematics,
Vignan Institute of Technology and Science,
Hyderabad.

Dr. K. N. V. V. VARA PRASAD
Assistant Professor, Dept. of Mathematics,
Guru Ghasidas Vishwavidyalaya (A Central University),
Bilaspur, C.G.

Dr. C. PAVAN KUMAR
Faculty in Mathematics,
APEX Math Excel Center, North Carolina, USA.

Dr. D. PRATHAP
Associate Professor, Dept. of Mathematics,
CMR Institute of Technology, Bangalore.

FOR FURTHER DETAILS CONTACT

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PATRONS OF THE FDP

Chief Patrons : **Sri. MUPPALANENI SRINIVASA RAO**
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Vice President-1, Bapatla Education Society,Bapatla
Sri. GELLI DILEEP KUMAR
Vice President-2, Bapatla Education Society,Bapatla
Sri. MANAM NAGESWARA RAO
Secretary, Bapatla Education Society, Bapatla
Sri. KOMMINENI HARI PADMA PRASAD
Joint Secretary, Bapatla Education Society, Bapatla
Sri. THALLURI RAMAKRISHNA RAO
Treasurer, Bapatla Education Society, Bapatla

Patron :
Dr. NAZEER SHAIK
Principal, Bapatla Engineering College, Bapatla

ORGANISING COMMITTEE

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