



Srinivasa Ramanujan
A Great Indian Mathematician
(1887-1920)

A One Week Online International Workshop
on

Enhancing Computational Skills of Mathematics in Various Fields of Engineering (ECSMVFE - 23)

18th to 23rd December 2023



Organized by



Department of Mathematics
Bapatla Engineering College
(Autonomous)

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

INTRODUCTION

In view of 136th Birth Anniversary Celebrations of a Great Mathematician Sri Srinivasa Ramanujan, the Department of Mathematics, Bapatla Engineering College, Bapatla will be organizing A One week Online International Workshop on "Enhancing Computational Skills of Mathematics in Various Fields of Engineering (ECSMVFE - 23)" from 18th to 23rd December 2023.

In this One week Online International Workshop we link between the theoretical knowledge in Mathematics and its practical applications. It is designed to cater the needs of engineering students in various engineering branches. This programme aims to elevate the computational skills and also lays foundation for innovative problem-solving methods. This international workshop also provides awareness on current developments in different fields of Mathematics from multifarious domains.

In the fast-growing field of Engineering, Computational skills have become the cornerstone of innovation and progress. Hence join with us for an immersive experience that goes beyond textbooks, equipping you with the tools to navigate real-world challenges through the lens of advanced Mathematics. This international workshop will definitely redefine the way in which the students perceive and apply mathematics in their engineering journey.

Earn a prestigious certificate upon successful completion of the workshop, validating your enhanced computational skills and setting you apart in a competitive engineering landscape. The program is intended to enumerate the skill of applicability in students community. It also creates deeper interest in various fields of Mathematics.

The workshop will provide a valuable opportunity for all Engineering Students to understand and enrich their knowledge of computational and logical skills in Mathematics and Statistics with the inspiring lectures of our Resource Persons.

OBJECTIVES

- ✦ To foster a culture of continuous learning in student community by familiarizing the applications of Mathematics in various fields of Engineering.
- ✦ To enhance the problem solving skills and logical thinking capabilities of students through expert lectures of resource persons from National and International Universities.

✦ To convert young engineers into strong individuals in order to face the real world challenges by exposing them with variety of lectures both in Mathematics and Statistics in different domains.

TOPICS TO BE COVERED

- Support Vector Machine (SVM)
- Mathematical Models in Engineering
- Descriptive Statistics
- Visualization of Mathematical Concepts
- Statistical Inferences
- Robust Computing

CONTENT DELIVERY

Renowned resource persons from various prestigious academic institutions will deliver lectures to motivate the students for enriching their computational and logical thinking skills in Mathematics & Statistics with their vast experience in the field of Engineering Education

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.

RESOURCE PERSONS

Dr. L. Jeganathan

Professor, School of Computer Science and Engineering,
Vellore Institute of Technology, Chennai.

Dr. P. Nagarani

Senior Lecturer, Dept. of Mathematics,
The University of the West Indies, Mona Campus, Jamaica,
West Indies.

Dr. T. S. R. Murthy

Professor, Dept. of Mathematics & Statistics,
Shri Vishnu Engg. College for Women, Bhimavaram,
W.G. District, A. P.

Dr. M. A. S. SRINIVAS

Professor Emeritus, Dept. of Mathematics,
JNT University College of Engineering, Science and Technology,
Hyderabad.

Dr. G. Y. SAGAR

Professor, Dept. of Statistics,
College of Natural and Computational Sciences, Gambelia University,
Ethiopia.

Dr. Y. N. REDDY

Professor Emeritus, Dept. of Mathematics,
NIT, Warangal.

DETAILS

FOR FURTHER DETAILS CONTACT

Dr. K.V.L.N. ACHARYULU

Convener, ECSMVFE-2023
Associate Professor & Head,
Department of Mathematics,
Bapatla Engineering College, Bapatla-522102,
Andhra Pradesh.
Phone: 9866455315
Mail Id: dr.kvlna@gmail.com

Dr. P. Vijaya Saradhi

Co-Convener, ECSMVFE-2023
Professor,
Department of Mathematics,
Bapatla Engineering College, Bapatla-522102,
Andhra Pradesh.
Phone: 9949559288
Mail Id: vspavuluri1@gmail.com

PATRONS OF THE FDP

Chief Patrons : Lorem Ipsum

Sri. MUPPALANENI SRINIVASA RAO

President, Bapatla Education Society, Bapatla

Sri. DOPPALAPUDI RAMA MOHANA RAO

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

Convener

Dr.K.V.L.N.ACHARYULU

Associate Professor & Head,
Dept of Mathematics, BEC, Bapatla.

Co - Convener

Dr. P. Vijaya Saradhi

Professor, Dept of Mathematics,
BEC, Bapatla.

Staff Coordinator

Dr. M. Balaiah

Assistant Professor, Dept of Mathematics,
BEC, Bapatla.

Staff Organisers

Sri I. Pothuraju

Assistant Professor, Dept of Mathematics, BEC

Ms. K. Nagamani

Assistant Professor, Dept of mathematics, BEC

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 workshop.
- ✓ B. Tech Students of Bapatla Engineering College can attend this International Workshop.
- ✓ **Last date of Registration to Workshop is 16-12-2023 before 5 P.M.**

REGISTRATION

Please use the following link for registration

<https://forms.gle/hovQUKomUiuKXQop8>

CERTIFICATE

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