

ABOUT THE SYMPOSIUM

Science, Technology, Engineering and Innovation thrive on strong mathematical foundation. Mathematics enhances the ability to think logically and analytically. Machine Learning or Artificial Intelligence, Data Science or Data Analysis requires sound mathematical knowledge. It is essentially a building block to solve business and data driven applications in a technology driven society.

This is a multidisciplinary student symposium to share ideas and gain knowledge on various mathematical approaches, their real time use in emerging technologies.

This symposium will provide an ideal platform for the students to showcase their analytical and logical thinking skills and further improve their skills. The carefully selected topics will give abundant opportunities for the students to research, work in teams, and promote collaborative research mindset.

OBJECTIVES OF THE SYMPOSIUM

- The main objective of this symposium is to provide a platform for the students to exchange ideas, communicate and discuss new advances in mathematics.
- The symposium would also enable participants to explore the scientific implications of Mathematical applications.
- The symposium enables participants to comprehend the applications of Mathematics in emerging areas.

ABOUT THE COLLEGE

Geethanjali College of Engineering and Technology (GCET), UGC autonomous institution, was established in 2005. The college offers undergraduate programmes in CSE, CSE-AI&ML, CSE-IoT, CSE-CS and CSE-DS, ECE, EEE, CE, ME & IT and post graduate programmes in MBA and M.Tech. The college is recognized as Scientific and Industrial Research Organization (SIRO) by Department of Scientific and Industrial Research (DSIR), New Delhi. Several projects sanctioned by DST, DRDO, SERB, JNTUH-TEQIP-III were carried/carrying out in the college.

ABOUT THE DEPARTMENT

The Department of Freshman Engineering has 28 Doctorates and faculty with rich experience in teaching. Skilling and Upskilling is the buzz word. Harmony and healthy student teacher relationship is fostered. Students are provided with opportunities to participate in various curricular and cocurricular activities, which provide memorable and rich learning experiences. Students are introduced to Design Thinking and are encouraged to participate in Project Exhibitions and Hackathons. The department strives to accomplish the mission of the college and nurtures creativity and critical thinking among the students.



Geethanjali

College of Engineering and Technology

An Autonomous Institution

Approved by AICTE and Affiliated to JNTUH



**FIRST NATIONAL STUDENT SYMPOSIUM ON
THE APPROACHES OF MATHEMATICAL
SCIENCES TO THE RECENT EMERGING
TECHNOLOGIES**

(VIRTUAL MODE)

31st JULY, 2022

ORGANISED BY:

**MATHEMATICS CLUB, DEPARTMENT OF FRESHMAN
ENGINEERING**

Chief Patron

Sri G. R. Ravinder Reddy, Chairman

Patron

Dr. S. Udaya Kumar, Principal

Convener

**Dr. G. Neeraja Rani,
HOD, Freshman Engineering**

Department

Coordinators

Dr. V. S. Triveni

Dr. N. Subhadra

The following topics will be covered (but not limited to)

- Mathematical Modeling and Real Time problem solving
- Engineering Mathematics, Mathematical Statistics and Applications
- Probability
- Linear and Non-linear models
- Deep Learning
- Data Analysis
- Machine Learning
- Cyber Security
- Cloud Computing
- Image Processing
- Digital Signal Processing & Digital Image Processing
- Optimization Techniques
- Differential Equations (ODEs & PDEs)
- Fuzzy mathematics and its applications
- Game theory
- Matrix theory and its Applications
- Markov Analysis

Presentations can be in the form of Oral / Poster.

Submit your articles to

mathsymposium2022@gmail.com

ELIGIBILITY

UG and PG students

E-certificate will be issued only to the teams who present their work

IMPORTANT DATES

Last date for registration: **16.07.2022**

Last date for submission: **23.07.2022**

REGISTRATION LINK

<https://forms.gle/kdDb1b13qSMHrLqG7>

REGISTRATION FEE

Rs. 100 per team (Maximum team size is 3 students)

PAYMENT MODE

Google Pay / Phone Pay to
9966290224 - Mr. A Ramesh

ADVISORY COMMITTEE

Dr. M A Srinivas

JNTUH, Hyderabad

Dr. C S Sastry

IIT Hyderabad

Dr. T V S Sekhar

IIT Bhubaneswar

Dr. Sathya Prakash Singh

IIT Kanpur

Dr. N Kishan

Osmania University, Hyderabad

Dr. SVSSNVG Krishna Murthy

DIAT Pune

Dr. J Jagan Mohan

BITS Hyderabad

Dr. J Somasekhar

Gopalan University, Bengaluru

IMPORTANT INSTRUCTIONS TO STUDENTS

- Participants should login at least 15 minutes before the meeting time.
- E-Certificate will be provided for those participants who submit the feedback.

PLATFORM: Google Meet

Registered participants will receive a mail regarding schedule and google meet link

ATTRACTIVE CASH PRIZES WILL BE GIVEN TO THE WINNERS

ORGANIZING COMMITTEE

Dr. Sk Nuslin Bibi, Associate Professor.

Dr. P Rahira, Associate Professor.

Dr. T Deepthi, Associate Professor.

Dr. R Ajantha, Assistant Professor.

Mr. N Nagi Reddy, Assistant Professor.

Mr. A Ramesh, Assistant Professor.

Ms. P Sailaja, Assistant Professor.

Ms. M P Molimol, Assistant Professor.

Ms. S Lalitha, Assistant Professor.

Ms. G Padma, Assistant Professor.

Ms. G Durga Priyadarsini, Assistant Professor.

STUDENT ORGANIZERS

Ms. A Bhavya sri, CSE

Ms. Abhaya Manasa, CSE

CONTACT DETAILS

Dr. V. S. Triveni

Professor,

Department of Mathematics, GCET.

Mobile No.: **7660827666**

Dr. N. Subhadra

Associate Professor,

Department of Mathematics, GCET.

Mobile No.: **9390239202, 9440029849**