Organized by
Department of Computer Science and Engineering
Geethanjali College of Engineering and Technology Hyderabad

Chief Patron

Sri. G. R. Ravinder Reddy, Secretary

Patron

Dr.S.Udaya Kumar, Principal

Conveners

Dr. A.Sree Lakshmi,
Professor & HOD-CSE

Dr. V. Madhusudan Rao,
Professor & Dean,
School of Computer Science and Informatics

ABOUT THE INSTITUTION

Geethanjali College of Engineering & Technology is established in the year 2005. The campus epitomizes the Geethanjali motto, "Striving towards perfection" in providing the best of infrastructure and ambience. Geethanjali keeps a keen eye on the current trends and innovations happening in the industry and offers learning methods, which are designed to meet the evolving requirements of the industry. The college is recognized as Scientific and Industrial Research Organization (SIRO) by the Directorate of Scientific and Industrial Research (DSIR) –New Delhi. It is NAAC accredited with 'A+' grade.

Five programs B.Tech. (CSE), B.Tech (ECE), B.Tech (EEE), B.Tech (ME) & B.Tech (CE) of GCET are accredited by NBA, New Delhi. Currently the college offers Under Graduate program in B.Tech in CSE, CSE-AI&ML, CSE-IoT, CSE-CS, CSE-DS, ECE, EEE, ME, CE, IT, Computer Science and Engineering Specialization and Postgraduate program M.Tech in Computer Science and Engineering and MBA.

The very strength of Geethanjali lies in its principles of providing the right learning environment for the student in becoming a global citizen. Over the years, since it has been established, there has been dynamic progress at Geethanjali in all academic and research activities and a spectacular improvement in facilities and infrastructure, to keep it on par with the best institutions in India.

ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering was established in the year 2005 and currently offers undergraduate program, B.Tech in Computer Science and Engineering with an annual intake of 300 students and a Postgraduate program M.Tech in Computer Science and Engineering with an
annual intake of 18 students.

The department is accredited by NBA in 2012 for first time and got reaccredited successively for three times and is valid up to June 2025. The department is recognized as research center by JNTU Hyderabad, it has well equipped laboratories, good infrastructure, highly qualified and experienced faculty. A good number of technical papers are being published by the faculty in National/International Journals. The department has MoUs with various organizations to provide experimental learning to the students.

ABOUT THE PROGRAM

The Faculty Development Program on Blockchain Technology aims to equip educators with comprehensive knowledge and skills related to blockchain technology. Blockchain has emerged as a disruptive technology with applications spanning across industries such as finance, supply chain management, healthcare, and more. This program will provide educators with the necessary tools and understanding to effectively teach and incorporate blockchain concepts into their curriculum, fostering a generation of student's well- versed in this transformative technology.

PROGRAM OBJECTIVES:

The objective of the Blockchain Faculty Development Program is to equip educators with comprehensive knowledge, technical proficiency, and pedagogical skills in blockchain technology, fostering their ability to effectively teach, research, and promote the understanding and application of blockchain concepts in education and industry.

PROGRAM OUTCOMES:

After completion of the FDP the participants will be able to

- Apply fundamental concepts of Blockchain technology, its components to real world applications.
- Design and integrate Blockchain related courses into the curriculum that align with industry trends.
- Understand the security challenges and
- implement cryptographic techniques to enhance security and privacy
- Establish a network of knowledgeable educators driving blockchain integration and awareness invarious fields

TARGET AREAS

- Introduction to Blockchain & Blockchain Architecture and Components
- Types of Block chains
- Smart Contracts and Solidity
- Ethereum and Decentralized Applications
- Consensus Mechanisms
- Security and Privacy in Blockchain
- Block chain Use Cases
- Threat modeling of Blockchain infrastructure
- Block chain Interoperability
- Practical session on Blockchain technology
- National Education Policy (NEP) 2023

LIST OF RESOURCE PERSONS

1. Dr. Sanjaya Kumar Panda, Assistant Professor, NIT Warangal.
2. Dr. Preeti Chandrakar, Assistant Professor, NIT Raipur.
3. K Indra Veni, Joint Director, CDAC.
4. Dr. Subhrakanta Panda, Associate Professor, BITS Hyderabad.
5. Dr Kannan Srinathan, Assistant Professor, IIIT Hyderabad
6. SivRam Shastri Jonnalagadda, Co-founder of Hyderabad DAO
7. Akash Rao Mallareddy, Regional Ambassador – AlgoBharat.
8. Prasanth Sahoo, Blockchain Certified Trainer
9. Dr. A Sree Lakshmi, HoD CSE, GCET.

TARGETED PARTICIPANTS

The program is open to faculty members of AICTE approved institutions, research scholars, PG Scholars, participants from Government, Industry (Bureaucrats / Technicians /Participants from Industry etc.), CBSE Teachers and staff of host institution.

GUIDELINES

- A test will be conducted by the coordinators at the end of the program.
- Certificates will be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test.
- Registration is online through ATAL portal
- A maximum of 100 participants will be enrolled.

REGISTRATION LINK

For registration, please follow the link of AICTE as below and select the thrust area "Blockchain Technology" and the FDP Title "FDP on Blockchain Technology", FDP ID: 2880.

https://atalacademy.aicte-india.org/login

For clarifications, please email to:

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COORDINATORS

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