

Short Term Training Programme (STTP)

on

Security, Privacy and Trust Issues in Blockchain Technology

October 21-26, 2019

(Sponsored by AICTE, New Delhi)

Registration Form

Name :
Designation :
Organization :
Contact No. :
Email ID :
Accommodation : YES / NO

The filled-in application shall be sent to the organizing secretary along with the sponsorship certificate on or before October 10, 2019 in the form of soft copy through email communication.

Signature of the Candidate

Note: Accommodation and local hospitality will be provided to the participants. Further TA/DA (Third class AC Train Fare or its equivalent by the shortest route) will be provided to the participants from AICTE approved institutions.

Sponsorship Certificate

This is to certify that Dr./Mr./Ms./Mrs. _____ is an employee of our Institution and is hereby sponsored to attend the STTP at GMRIT during October 21 -26, 2019.

Head of the Institution
(with Seal)

Contact

Mr. K. Somesh

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Resource Persons

Dr. P. S. Avadhani

Professor, Dept. of CS&SE, Andhra University

Dr. V. Valli Kumari

Professor, Dept. of CS&SE, Andhra University

Dr. Kannan Srinathan

Assistant Professor, Dept. of CSE, IIIT, Hyderabad

Dr. N. Rukma Rekha

Assistant Professor, SCIS, University of Hyderabad

Dr. Y. V. Subba Rao

Assistant Professor, SCIS, University of Hyderabad

Mr. Sekhar M. S. N. Eevani

Vice President, Broadridge Financial Solutions, Hyderabad

Mr. Srinivasa Raju V

Director, Alykas Innovations, Visakhapatnam

Organizing Committee

Chief Patron

Col. G. Rajendra Prasad, CEO

Education and Healthcare, GMRVF

Patrons

Dr. C. L. V. R. S. V. Prasad, Principal, GMRIT

Dr. J. Raja Murugadoss, Vice Principal, GMRIT

Program Coordinator

Dr. A. V. Ramana, Professor & HOD (CSE)

Organizing Secretaries

Dr. R. Priya Vaijayanthi, Associate Professor (CSE)

Dr. G. Veerraju, Assistant Professor (CSE)

Mr. K. Somesh, Assistant Professor (CSE)

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All India Council for Technical Education (AICTE)
New Delhi

Organized by



Department of Computer Science & Engineering



GMR Institute of Technology

(An Autonomous Institute affiliated to JNTU, Kakinada)

GMR Nagar, Rajam-532 127

Srikakulam District, Andhra Pradesh

www.gmrit.org

About GMRIT

Established in 1997, GMR Institute of Technology has come a long way since its inception and has carved a niche for itself in the corporate world. It is currently placed top Technical Institutions in the Country. Located about 100 km from Vishakhapatnam, GMRIT is a beautiful campus spread over 155 acres in Rajam. As the flagship Institute of GMR Varalakshmi Foundation, GMRIT has set high standards for itself and offers an idyllic and conducive environment for higher studies. It is affiliated to Jawaharlal Nehru Technological University, Kakinada. The institute became Autonomous in 2012-13 and presently offering eight U.G. programs and seven P.G. programs. All U.G. programs are accredited by NBA under TIER I and institute is accredited by NAAC with 'A' Grade. GMRIT makes a constant endeavor to making engineering a way of life, with a distinct set of skills, and integrate analytical skills with innovative thinking. We also try to enhance the effectiveness of learning through technology-aided pedagogies. Our improved learning processes, we genuinely believe, will help our students realize their full potential and help them grow. GMRIT emphasizes collaborative learning between industry and academia as a means of reinforcing its curriculum with practical experience relevant to industry needs. The Institute constantly strives for improvement, competing with the premier institutions of national importance.

About the Department of CSE

The Department of Computer Science and Engineering (CSE) offers Undergraduate Programme on CSE and Postgraduate Programme on Cyber Security. The Department is accredited by National Board of Accreditation for 6 years under TIER - I. Understanding the industry requirements on contemporary technologies, department has taken several initiatives to bring out our graduates more skill

-full and employable. The department has a well-qualified and experienced team of faculty members and well-equipped computing laboratories. The department has students' chapters of professional bodies like ACM and CSI, through which co-curricular activities are conducted regularly to bring out holistic development in every student. The department takes sufficient care to bridge the gap between industry and academia in the form of Internships, Industry Driven One Credit Courses, Guest Lectures.

About STTP

Blockchain technology is an emerging technology suitable for decentralized and transactional sharing of data across a large network of untrusted participants. By using this technology one can maintain continuously-growing list of records called blocks and link them in a distributed manner (blockchain), potentially in such a way that these are secured against tampering. Blockchain is maintained as distributed database of records of transactions (distributed ledger) that are shared among participants. This technology uses cryptographic algorithms to validate the logged transactions and ensures that no record is duplicated, and permanent records are updated on each node of the network. This technology allows new type of distributed software architecture where components can establish trust by finding concurrence on their shared states. Blockchain have good potential to transform the logging and management of transactions in different application areas. This technology is successfully used in Bitcoin virtual currency and it also has good potential in non-financial sectors such as Governance, healthcare, cyber security, automobiles, media, travel, hospitality, energy, smart cities etc. The objective of this short-term training programme is to give insights into the Cryptographic principles for Blockchain, working principles of Blockchain Technology, building public

and private blockchain, and various use cases of Blockchain in financial and non-financial sectors. The programme includes lectures by resource persons from both industry and academia.

Content of STTP

- * Fundamentals of Cryptography
- * Cryptography for Blockchain
- * Decentralized Applications
- * Public and Private Blockchain
- * Use cases of Blockchain
- * Blockchain for Governance
- * Blockchain for Healthcare
- * Blockchain for Finance
- * Blockchain for IoT
- * Societal Impact and Challenges

Eligibility for Participation

- * Teachers from AICTE approved Institutions
- * Research Scholars
- * Industry Delegates

Registration Fee

Teachers from AICTE approved Institutions	Rs. 1000/- (refundable deposit)
Research Scholars	Rs. 1000/-
Industry Delegates	Rs. 3000/-

Process of Selection and Assessment

The maximum number of participants is restricted to 40. The selection of the delegates will be based on first-come, first-served basis. At the end of the STTP, assessment will be done, and certificates will be issued accordingly.

For registration and other details log on to

<https://sites.google.com/view/gmritsttponblockchain/home>
