

GNITS (for Women), sponsored by G.Pulla Reddy Charities Trust was started on 15th December, 1997. Sri G.Pulla Reddy was an eminent businessman of great integrity and impeccable reputation. GNITS is one of the top most colleges in Telangana and AP States. The objective of GNITS is to provide an excellent learning facility for women in order to pursue education in engineering. The institute aims to promote technical education among women to enhance and build-up a new generation of thinkers, innovators and planners in the technical realms of Science & Technology. GNITS received UGC autonomous status for a period of 10 years from 2018 and is affiliated to Jawaharlal Nehru Technological University (JNTUH), Hyderabad. The institution has been accredited by NAAC for a period of six years from 2013. The institution is approved by AICTE, accredited by NBA, and is ISO 9001:2015 Certified. GNITS offers 5 B.Tech. Programmes in CSE, ECE, EEE, ETM and IT and 5 M.Tech programmes in CSE, DECS, PEED, WMC&CNIS in respective departments with 2640 students enrolled in B.Tech. stream and 180 in M.Tech stream. GNITS provides hostel facility with modern amenities catering the needs of 800 students in the campus itself. GNITS campus is enabled with Wi-Fi connectivity and has 150 Mbps leased line Internet. The college supports skill upgrading and overall development of students through Apple Lab, BTBP Lab, IOT Centre of Excellence, EDC Cell, I-Cell, Sports Club, etc. This is reflected in the placements offered to 80% of students in 2018. GNITS girls team won first prize (17 Lakhs) in Aegon International 24-hour Health and Wealth Hackathon.

ABOUT CSE DEPARTMENT

The Department of Computer Science and Engineering is one of the pioneer departments of GNITS with an intake of 180 in UG and 18 in PG. The department has 41 well qualified teaching and 10 non-teaching staff. Department has 6 Ph.D holders in which 3 are guiding 18 Ph.D. scholars and 13 were awarded from various Universities. Department of CSE established IOT Enabled Center of Excellence under AICTE MODROBS scheme. The Department has a credit of Career Award for Young Teachers from AICTE with a grant of 10.5 lakhs for a period of 3 years. The B.Tech program has been accredited by NBA in the year 2017. The students of the department are being selected through campus recruitment in reputed MNCs like Amazon, Bank of

Service Now, State Street, UHG, CDK Global, Wells Fargo, VISA Inc, UX Reactor, L & T, ADP, GGK Tech., DMR Inc, DBS, BTBP etc. with 85% offers in the last academic year. Two students have been offered placement by Amazon(SDE) with highest package of 15 lakhs. Besides the teaching learning process, CSE department regularly conducts hackathons, innovation idea contests, coding challenges, workshops, guest lectures, group discussions, refresher courses, etc. to enhance the skills of students and teaching community.

IMPORTANT DATES

Last Date of submission : 05-12-2018
Information of acceptance : 06-12-2018

ALL CORRESPONDENCE TO

The HOD, CSE Dept., GNITS, Shaikpet, Hyderabad-500104.
E-mail: cseworkshop@gnits.ac.in

ORGANIZING COMMITTEE

PATRONS

Sri. P. Subba Reddy, Chairman, GNITS.
Smt. G. Srividya Reddy, Joint Secretary, GNITS.

CHAIRMAN

Dr. K. Ramesh Reddy, Principal, GNITS.

CONVENER

Dr. M. Seetha,
Professor & Head, Dept. of CSE, GNITS.

COORDINATORS

Mrs. J. Padmavathi,
Asst. Professor, CSE.
Ph: 9550363605

Mrs. S. Sandhya
Asst. Professor, CSE.
Ph: 9985232503

MEMBERS

All faculty of CSE

LOCATION & TRANSPORT

The college is located 5kms from Mehdiptnam (on the way to HCU) near Darga bus stop. BUS Route Nos(from Mehdiptnam) : 116,118G, 216, 217, 6C, 126.

One-Week
National Level
Faculty Development Program

on

Security applications using Blockchain Technology

10th - 15th December, 2018



Organized by
Department of CSE



G. Narayanamma Institute of Technology & Science

Autonomous (For Women)
Accredited by NAAC of UGC&NBA
An ISO 9001:2015 Certified Institute
Shaikpet, Hyderabad - 500 104,
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Fax: +91-(0)-4023564187
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(AUTONOMOUS)
Shaikpet, Hyderabad - 500 104

ABOUT THE WORKSHOP

Blockchain 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 secure against tampering. Blockchain is maintained as distributed database of records of transactions that are shared among participants. This technology uses cryptographic algorithms to validate the logged transactions and ensure that no record is duplicated and also permanent records are updated on each node of the network. This technology is used in cryptocurrencies like Bitcoin and Ethereum. Few other real-time applications include health care, digital identity, smart contracts, digital voting, and IoT applications. This workshop is aimed at enhancing the knowledge of students, motivate research among academicians and professionals in the area of blockchain technology by focusing on various real world applications.

COURSE CONTENTS

- ❖ Introduction to Blockchain Technology
- ❖ Usecases (Applications)
- ❖ Delving into Blockchain
- ❖ Cryptocurrency and Blockchain: Bitcoin, Ethereum
- ❖ Cryptography in Blockchain
- ❖ Setting up private Blockchain environment using Ethereum platform
- ❖ Create & deploy private Blockchain on multichain
- ❖ Security Issues
- ❖ Blockchain challenges and opportunities

RESOURCE PERSONS

Experts from academia and industry.

ELIGIBILITY

Faculty and PG students from various Engineering and MCA colleges can attend the programme. Industry persons working in the concerned discipline can also attend.

DEPARTMENT VISION

To provide engineering education in the field of Computer Science with evolving technologies and to produce self motivated, employable individuals to society.

DEPARTMENT MISSION

1. To pioneer education in Computer Science and Engineering, Mathematics and Sciences, to mould the overall personality of students.
2. To nurture the students to be dynamic, industry ready and to have multidisciplinary skills and leadership qualities.
3. To inculcate work ethics and commitment in students for their future endeavors to serve the society.

REGISTRATION FEE

- Faculty & PG students registering for the workshop are required to pay Rs.1500/- by DD in favor of the **Principal, GNITS**, payable at Hyderabad.
- The registration fee includes workshop material, lunch, snacks, etc.

APPLICATION FORM

- Registration form can be downloaded from the website www.gnits.ac.in
- Limited hostel accommodation is available for outstation lady faculty only.
- You may confirm your participation by mailing the scanned copy of registration form and DD to the following mail id cseworkshop@gnits.ac.in

KEYCONTACTS

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K. S. J.

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WEBSITE: www.gnits.ac.in

One-Week
National Level
Faculty Development Program

**on
Security applications using
Blockchain Technology**

10th - 15th December, 2018

Application Form

1. Name:

2. Designation:

3. Institution:

4. E-mail:

5. Contact No.....

6. D.D No: Bank:Date:

7. Address for Correspondence:

8. Educational Qualifications with specialization:

Forwarded by Signature of the Applicant

Signature & Seal of Sponsoring Authority

Place: Date:

A report on

Faculty Development Program

"Security Applications using Blockchain Technology"

Date: 19-12-2018

1. **Date:** 10th -15th December 2018
2. **Venue:** In CSE department at GNITS
3. **No. of faculty participated:**

From Outside	-	26
From GNITS	-	26

4. **Workshop Report:**

The 1st session was taken by Mr. G. Rohith Kumar, on "Introduction to blockchain and its evolution". In the Afternoon, the session on the topic "Advantages and Challenges in Blockchain" was given by Mr.V. Madhu from KONY labs. The next session was on "Cryptographic algorithms in Blockchain" by Mr. T. Saigopal from C-DAC, Hyderabad.


The 2nd and 3rd days Mr. B. Shiva & Mr. D. Satyanarayana from Cluster-IT Solutions gave in-depth exposure on "Block Chain Architecture, Solidity Language, Ethereum Use cases and Remix IDE". The afternoon sessions of these two days were hands on sessions on "Creation and deployment of smart contract on Ethereum platform".


The 4th and 5th days Mr. Intisaar Menhdi from Brain-O-Vision was the resource person and gave insights on Bitcoin and blockchain and explained the concepts of Bitcoin mining. In the afternoon on both these days, the participants were made to create a private blockchain on ethereum platform.

The 6th day, Mr.M.Sampath Kumar explained future and security of Blockchain and creation & deployment of private Blockchain on multichain.

5. **Feedback Summary:**

- 80% of the participants have rated it as excellent.
- 15% of the participants have rated it as very good.
- 5% of the participants have rated it as satisfactory.


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HOD CSE
19/12/18



**G.NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE (For Women)
(AUTONOMOUS)
Shaikpet, Hyderabad – 500104**

Department: Information Technology

2018-19

REPORT

FDP on " Security applications using Blockchain Technology "

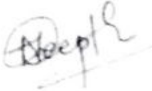

Date of program:10th- 15th December, 2018

Resource person: Brain o Vision.

About the Program:


Blockchain security is a comprehensive risk management system for a blockchain network, using cybersecurity frameworks, assurance services and best practices to reduce risks against attacks and fraud. While blockchain technology produces a tamper-proof ledger of transactions, blockchain networks are not immune to cyberattacks and fraud. Those with ill intent can manipulate known vulnerabilities in blockchain infrastructure and have succeeded in various hacks and frauds over the years.

The FDP has given insights into how security features can be established using BlockChain Technology. The knowledge gained is useful in guiding projects in the domain of Information Security and Blockchain Technology and also in pursuing PhD research work in these domains

M. Deepthi 
PN. Ramya




Signature of the Faculty member


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