ABOUT GMRIT:

Established in the year 1997 by GMR Varalakshmi Foundation – the corporate social responsibility arm of GMR Group and affiliated to JNTUGV, Vizianagaram. GMRIT is Autonomous since 2012 and offers high quality technical education for aspiring Engineers. College is located in Rajam, Vizianagaram district of Andhra Pradesh. GMRIT provides its learning community state-of-the-art facilities, infrastructure, and a competent faculty. Institute Ranked 188 in NIRF-2022. The Institute encourages collaborative learning between industry and academia as a means of reinforcing its curriculum in line with NEP-2020. Institute is emphasis on a well-rounded education that makes GMRIT a one of the preferred institutes among engineering colleges in India.

ABOUT ANDHRA UNIVERSITY COLLEGE OF ENGINEERING (AUCE(A)):

Andhra University College of Engineering (AUCE) had been established in 1955 on a sprawling area extending to 160 acres. The Campus offers 17 UG and 35 PG programmes besides research on par with technical institutions worldwide. The strength of the college is its faculty who motivate the students in leading the country in its ongoing technological revolution and entrepreneurial skills. The college was supported by Technical Education Quality Improvement Programme (TEQIP), a World Bank funded project to develop technical education in the country. The faculties of the departments are engaged in individual research besides consultancies with public and private and national research with organizations.

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**A Joint Collaborative
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Integration of IoT & Blockchain to Implement Smart Education and Healthcare

26th Feb, 2024 - 1st March, 2024

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Blockchain and IoT

About CSE Department:

The Department of Computer Science and Engineering was established in 1997. The department offers four-year B.Tech Programs in CSE, CSE-AI&ML, CSE-AI&DS and two-year M.Tech programs. It has a rich tradition and well-qualified faculty, along with widely recognized laboratories. The department aims to provide a strong foundation in Computer Science and Engineering fundamentals, emphasizing mathematical and scientific principles. Additionally, the course focuses on developing skills in the application of design processes for innovative engineering solutions. The annual intake of students in CSE, CSE-AI&ML, CSE-AI&DS is 420.

About department of CS&SE:

The Department of Computer Science and Systems Engineering was given the status of a separate department in 1983, after bifurcation of the Electrical Engineering department. Since inception, it has grown in stature to be ranked amongst one of the best in the country. The Courses offered in the department meet the requirements of both industry and research. The faculty of the Department are actively engaged in research in the areas of Data Knowledge Management, Software Engineering, Image Processing, Cryptography, Data Mining, and Artificial Intelligence. The faculty members are collaborating with institutions like Center for Artificial Intelligence & Robotics, Bangalore, Tech Mahindra Ltd, IBM Visakhapatnam, Business Analytics Ltd, Visakhapatnam, Brain-O-Vision, Hyderabad, Maritime University Visakhapatnam, Naval Science & Technological Lab, Visakhapatnam, National Jiao Tong University, China, VUDA Visakhapatnam for research and consultancy

About the FDP:

- Internet of Things (IoT) and Blockchain are the most exciting trends and innovation in the recent history of technological advancement covering a wide range of applications like healthcare, education, entertainment, appliances control & utility services, security, defense, traffic management, transportation, home & industrial automation, remote monitoring, smart cities, smart farming, smart grid etc.
- This Faculty Development Programme aims to impart knowledge about the real-time applications of IoT and Blockchain among the teaching community.
- Experts from academia and industry have been invited to deliver lectures about the current and emerging trends on medical/health and education sector using IoT with cloud and Blockchain technologies.
- The FDP will focus on theoretical and hands-on experience in IoT and Blockchain Technology to interface the things for different applications using Raspberry Pi and Arduino boards.

Instruction to the Participants & Eligibility:

The faculty members of the Engineering Colleges /institutions, research scholars, PG Scholars, and participants from Industry.

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Topics to be covered

- Overview of IoT in the context of Healthcare and Education.
- Enhancing participants engagement through IoT devices.
- Real-world examples of IoT implementation in the education sector.
- Remote patients monitoring and health care data collection. Case studies of successful IoT implementation in the Healthcare sector.
- Case study of Blockchain for transparent and tamperproof educational records.
- Ensuring data integrity and privacy in Healthcare with Blockchain.
- Understand the potential synergies between IoT and Blockchain.
- Future trends and possibilities of integrating IoT and Blockchain in smart Health and Education.

Test and Certificate

- The certificates will be issued for those participants who have attended the program with minimum 80% attendance and scored minimum 70% marks in the test.

Scan the QR Code for payment of registration fee

Registration:

Registration fee: Rs:300/-

Registration Link:

https://bit.ly/3HCr2cc