DAY	TOPIC	TIMINGS
1	Introduction to Cybercrime, Cyber offenses, Cybercrime in Mobile and Wireless devices, Tools and methods used in Cyber Crime, Cyber Crime and Cyber Security.	9 AM–12 PM
	Hands on Labs	2 PM–5 PM
2	Foundations of Blockchain, History, Evolution, Decentralised Applications, Consortia, Public and Private Blockchain, Merkle Tree, Wallets, Tokens, Crypto, P2P, Lifecycle of blockchain transaction, Hashing, Digital Identity Verification, Digital Art, Blockchain Neutrality.	9 AM–12 PM
	Hands on Labs	2 PM–5 PM
3	Introduction to Ethereum, EVM, Smart Contracts, Truffle framework, Ganache, EtherScan, Ether Clients, Metamask ,Wallet's , Open Zeppelin Contracts, BitCoin and BitCoin Mining.	9 AM–12 PM
	Hands on Labs	2 PM–5 PM
4	Blockchain – Advanced Concepts – IPFS, ZK-Proofs, SSI, ICO, IOTA	9 AM–12 PM
	Blockchain and Cybersecurity – Use cases – Research Topics	2 PM–5 PM
5	Introduction to HyperLedger, Transaction Flow, Invoking Chain Code	9 AM–12 PM
	Hands on Labs	2 PM–5 PM

Resource Persons

Mr. Kalmesh Joshi
Principal Advisor Cyber Security, Cloud,
IT Infra ISO27001 Lead Auditor EBTS, Bengaluru

Mr. Srinivasa Raju Vuppalapati
Technical Advisor Hyderabad

Mr. Pradeep Kumar Pentakota
Senior Engineer Blockchain, Cloud and DevOps, Hyderabad

OBJECTIVES OF THE FDP

- Analyze cybercrime fundamentals, focusing on mobile and wireless devices, and explore the tools and methods used by cybercriminals.

- Investigate blockchain basics, covering its evolution, decentralized applications, and digital identity verification.

- Develop practical skills in blockchain development, including Ethereum and Hyperledger platforms, smart contracts, and advanced concepts like IPFS and zero-knowledge proofs.

OUTCOMES OF THE FDP

- Demonstrate proficiency in identifying and mitigating cyber threats in mobile and wireless devices, understanding cybercrime techniques and prevention strategies.

- Apply blockchain knowledge to design and implement decentralized applications, smart contracts, and secure blockchain solutions.

- Evaluate advanced blockchain concepts such as IPFS and zero-knowledge proofs, recognizing their potential for enhancing data privacy and security in various industries.

SRKR ENGINEERING COLLEGE(A)
Accredited by NAAC with A+, NBA, Approved by AICTE, Affiliated to JNTUK Kakinada
Chinnamiram, Bhimavaram – 534204

DEPARTMENT
of
COMPUTER SCIENCE & ENGINEERING
(INTERNET OF THINGS AND CYBER SECURITY INCLUDING BLOCK CHAIN TECHNOLOGY)

ORGANIZES

ONE WEEK NATIONAL LEVEL HANDS ON FDP
on

CYBER SECURITY
&
BLOCKCHAIN

24th June to 28th June, 2024
09:00 AM to 05:00PM

Convenor

Dr. K. V. Krishnam Raju
Professor, Dept. of CSE
CIC Coordinator

Coordinators

Dr. P. Ravi Kiran Varma
Professor, Dept. of CSE

Dr. D. N. S. B. Kavitha
Asst. Professor, Dept. of CSE

Organising Committe

Sri. P. Udaya Raju
Asst. Professor, Dept. of CSE

Smt. K. V. N. Valli
Asst. Professor, Dept. of CSE

Sri. S. Suresh Kumar
Asst. Professor, Dept. of CSE

Sri. M. V. S. Subramanyam
Asst. Professor, Dept. of CSE

About S.R.K.R. Engineering College

Sagi Rama Krishnam Raju Engineering College (SRKREC), established in 1980, is a self-financed academic institution of coeducation striving to provide a high-quality technical education to engineering aspirants. Being one of the premier and well-established technical institutions of the country, it continues to render service to the nation and the world at large with its alumni holding highly prestigious positions and making substantial contribution. The president of the institution Sri. S. Prasada Raju carries forward the vision of his father Late Sri Sagi Rama Krishnam Raju, a philanthropist, driving the institution on the academic path of excellence. The college is replete with lush coconut trees spanning across a plot area of 30 acres at China Amiram, Bhimavaram, on Bhimavaram-Vijayawada state highway and it is also well-connected to all other places by road and rail transport

Profile of the Department of CIC

Computer Science & Engineering (Internet of Things and Cyber security including Block chain Technology) undergraduate engineering program has been started by the institute from the academic year 2022-23 with the intake capacity of 60 seats. This B.Tech CSE (IOT & Cyber Security including Blockchain Technology) undergraduate programme familiarizes students with the functional and operational aspects of IOT, Cyber Security and Block chain Technology.

REGISTRATION LINK
 https://forms.gle/nC63gptc4NtjtgXy5
CONTACT : 9951752864

REGISTRATION FEE FOR OUTSIDE COLLEGE PARTICIPANTS

500/-

PAYMENT DETAILS

HOD OF CSE, SRKR ENGG COLLEGE
A/C.No : 62492122629
SBI CHINNAMIRAM BRANCH
IFSC CODE : SBIN0020530

CHIEF PATRONS

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Honorary Chairman,
Member Governing Body, SRKREC

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Vice President-I, SRKREC

Sri. S.V. Ranga Raju
Vice President-II, SRKREC

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Member, General Body, SRKREC

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Principal, SRKREC