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President / Vellalar Educational Trust

**PATRON:**

Thiru. S.D.Chandrasekar, Secretary & Correspondent  
Velalar College of Engineering and Technology

**PRESIDENT:**

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Velalar College of Engineering and Technology

**VICE PRESIDENT:**

Prof P.Jayachandar,  
Dean (Academics & Student Affairs)

**CONVENER:**

Dr. S.Jabeen Begum, Professor & Head / CSE

**CO-ORDINATORS:**

Dr.V. Latha Jothi, Professor  
Dr.S. Kayalvili, Associate Professor

**ORGANISING COMMITTEE:**

Dr.S.Sadesh, Professor  
Dr.S.Devi Suganya, Professor  
Dr.S.Gokulraj, Associate Professor  
Ms.M.MohanaSundari, Assistant Professor  
Ms.K.Vijaya, Assistant Professor  
Ms.C.Kotteeswari, Assistant Professor  
Mr.S.Vivekanandhan, Assistant professor  
Ms.K.MohanaPriya, Assistant Professor  
Ms.D.Lavanya, Assistant Professor  
Mr.P.Sukumar, Assistant Professor  
Ms.S.Subathra, Assistant Professor  
Ms.D.Nithya, Assistant Professor  
Ms.P.Kiruthika, Assistant Professor  
Ms.S.Poovizhi, Assistant Professor  
Ms.S.Vishnupriya, Assistant Professor  
Ms.S.Nithya, Assistant Professor  
Ms.S.Ponni, Assistant Professor

**ABOUT THE INSTITUTION**

Velalar College of Engineering and Technology is a Self-financing Co-Educational Autonomous Institution established in the year 2001 with all the necessary infrastructural facilities provided by Vellalar Educational Trust that ably governs the institution. The college is approved by AICTE, affiliated to Anna University, Chennai and accredited with 'A' Grade by NAAC. The B.E./B.Tech programs of BME, ECE, EEE, CSE and IT have been accredited by NBA. The Institution has completed 19 years of dedicated and excellent service in the field of technical education. The Institution offers eight UG Programs (BME, Civil, CSE, ECE, EEE, IT, MECH and Medical Electronics) and six PG programs (M.E - CSE, Embedded System Technologies, Applied Electronics, VLSI Design, MBA and MCA). There are five Anna University approved research centers in the departments of ECE, EEE, CSE, Physics and Chemistry.

**ABOUT THE DEPARTMENT**

Department of CSE was started with BE program in 2001 and ME program in 2006. The vision is to produce competent professionals to become part of the industry and research organizations in the field of science and technology and prepare them for a globalized technological society and orient them towards serving the society. The mission is to strengthen the core competence in Computer Science and Engineering through analytical learning and Industry – Institute interaction, to provide exposure to latest tools and technologies in the core area to design solutions and conduct investigations, to promote innovative research based projects / activities in the emerging areas of technology convergence and to inculcate professional behavior, strong ethical values, leadership abilities, entrepreneurship skills and commitment to lifelong learning.



**AICTE Sponsored**  
**Short Term Training Program**  
**on**  
**“Internet of Things (IoT) with**  
**Blockchain - Applications and**  
**Challenges”**

*Series I: 30.11.2020 – 05.12.2020*

*Series II: 04.01.2021 – 09.01.2021*

*Series III: 01.02.2021 – 06.02.2021*



Organized by  
**Department of Computer Science and**  
**Engineering**  
(Accredited by NBA)  
**Velalar College of Engineering and Technology**  
(Autonomous)  
(Accredited by NAAC with 'A' Grade)  
Thindal, Erode – 638012, Tamilnadu, India.

## RESOURCE PERSONS

Sessions will be handled by experts from Industries and Academic Institutions

## IMPORTANT INFORMATION FOR PARTICIPANTS

- This STTP is only for faculty members of the AICTE approved institutions, research scholars, PG Students, participants from Government institutes and industries.
- The STTP will be conducted through Online mode only.
- Participants willing to participate in this online STTP should have the provision of laptop/desktop/smart phone with good quality internet connections and other audio-visual facilities, as required for online training.
- Course registration is free for all participants.
- Only Limited Seats are available and the participants are selected by first come first served basis.
- Shortlisted candidates will be informed through their Email
- On completion of the course an objective type assessment will be done. The digital certificate will be issued to the participants who have an attendance of minimum 80% and score more than 60% in the assessment.

## ABOUT STTP

The STTP is proposed to reach out to the teaching community for improving their knowledge and understanding of integrating blockchain with IoT to manage and process huge volume of data securely.

A combination of blockchain and IoT can provide a powerful approach which can significantly pave the way for new business models and distributed applications.

As this technology is young and changing very rapidly with more future scope; it possibly will impress many researches to be made with. The STTP is designed in such a way, to enable the participants to understand the architecture, building blocks & design of IoT, challenges in the centralized client/server model of IoT applications and mitigate the security attacks through the decentralized blockchain approaches which help the participants to prepare for a career as an IoT engineer with blockchain implementing skill.

[CLICK HERE TO REGISTER](#)

## TOPICS

- IoT-Overview, Requirements and Design
- Building blocks, Protocols & Technologies in IoT
- Security and Challenges in IoT
- Blockchain - Introduction and Evolution
- Blockchain - Components and Concepts
- Algorithms and Existing Techniques in Blockchain for IoT
- Application of Blockchain in industries & Smart Environments
- Identification and analysis of the different ways of integrating IoT & Blockchain.
- Types of Blockchains
- Public Blockchain – Ethereum and its Components
- Solidity Language for Ethereum
- Deploying solidity smart contract in Ethereum blockchain
- DApps using Blockchain
- Integrating Blockchain with IoT–Theoretical & Programming aspects
- Future of Blockchain based IoT applications
- Security discussions, potential benefits and open issues in integrating Blockchain with IoT.

## CONTACT:

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