



Computer Society of India

Institute Membership No:100859

Dr. SIVANTHI ADITANAR COLLEGE OF ENGINEERING

TIRUCHENDUR

DEPARTMENT OF COMPUTER SCIENCE & *ENGINEERING*

UG & PG

DEAR READER,

IT'S A GREAT PLEASURE TO PRESENT BEFORE YOU THE NEWSLETTER OF COMPUTER SOCIETY OF INDIA STUDENTS' CHAPTER WHICH HELPS THE ENTIRE CSI FRATERNITY TO KNOW THE CSETIVITIES OF THE STUDENTS' CHAPTER FROM TIME TO TIME.

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Computer Society of India Students ' Chapter

PATRON & SBC : Dr.G.Wiselin Jiji, Principal
CSI Coordinators: Dr.R.Jensi, ASP/CSE
Mrs.P.Chanthiya , ASP/CSE
Secretary : Mr.R.Kaninsan Joshua,IV CSE
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Treasurer : Mr.M.Petchi Muthu, IV CSE

S.NO	DATE	EVENT	CHIEF GUEST
1.	12.05.2022	TECHNOAH 2K22	Dr.G.Wiselin Jiji, Principal
2.	12.05.2022	CSI Inaugural function	Dr.G.Wiselin Jiji, Principal

Events

1. **TECHNOAH 2K22** was conducted for UG Students of CSE on 12.05.2022. The session was organized by Dr. SIVANTHI ADITANAR COLLEGE OF ENGINEERING, DEPARTMENT OF COMPUTER SCIENCE & *ENGINEERING UG & PG*.

2. **CSI Inaugural function** was conducted for UG Students of CSE on 12.05.2022. The function was graced by Dr.G.Wiselin Jiji, Principal.

Innovation at the edge

Submitted By Jinolin.J, II CSE

DevSecOps Enhances the Role of Security

[DevOps](#) has been a widely used practice in software development companies for many years. But the current trends in software development show the growing popularity of the DevSecOps concept.

What is the difference between DevOps and DevSecOps?

- **DevOps** implies tight collaboration between the teams of developers and IT operations based on agile approaches (CI/CD). The ultimate goal is to ensure that working software is delivered to users quickly. DevOps suggests using robust, automated processes that provide rapid feedback to create a continuous improvement cycle. Today, DevOps can be understood as the methodology, culture, or a set of tools for agile development.
- **DevSecOps** is the evolution of DevOps. This approach alters the traditional role of the security department in code development. Earlier, [QA specialists](#) joined the process after the completion of the main development stage. Under the DevSecOps approach, their participation is a must at all stages.

Thus, security practices become an integral part of the development cycle, starting with the planning of the app architecture. This allows you to identify issues at early stages and eliminate them immediately, without accumulating them in the app till the final stage.

The rise of DevSecOps can be explained by the increasing adoption of microservices and cloud-native app development, and consequently, the need to quickly find and solve issues in these complicated architectures.

Web 3.0 Promises More Freedom

Submitted By Anjana Devi.I, II CSE

The Web 3.0 concept is a set of the latest technologies (artificial intelligence, machine learning, cryptocurrencies, NFT, the metaverse) that create comfortable conditions for working on the internet and reliably protect user data.

Brief history of the internet development:

- **Web 1.0** is a phase that began in the late 1990s, when websites were static with a series of links scattered randomly on the page. At that time, users could only view publications. Web 1.0 was characterized by HTML, HTTP, and URL addresses.
- **Web 2.0** gave users the ability to open and modify files, not just view them. Users began to create and post content on various blogs; complex animation appeared; UI/UX practices began to develop. This period is characterized by social networks, cloud technologies, mobile applications, and recommendation algorithms.
- **Web 3.0** is a new concept of the internet that should provide users with more freedom. Its core principles are open source, decentralization, anywhere access (due to IoT devices), and no third-party control. Web 3.0 lacks both centralized databases for data storage and centralized web servers for backend processing. Instead, it uses blockchain technology along with decentralized servers and applications (DApps).

The ultimate goal of Web 3.0 is to create a more trusted digital environment, where users will be active participants, personal data will be protected from unauthorized collection and usage, and complex search queries will be processed more efficiently.

THANK YOU