PSN COLLEGE OF ENGINEERING AND TECHNOLOGY

CSE-FLASH

Department of Computer Science and Engineering

The Department of Computer Science and Engineering (CSE) was established since inception from the year 2001 with the aim of providing inclusive technical education to students from all over India thereby creating responsible citizens who would contribute to the betterment of their families, Society and Nation. Computer Science serves as the foundation for various technological advancements that the world sees today. The field has grown by leaps and bounds. It finds a place in many interdisciplinary fields as well. With these, there also comes a necessity to keep up to the global demand of finding highly skilled engineers and scientists.

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New Brokewell malware takes over Android devices, steals data

Security researchers have discovered a new Android banking trojan they named Brokewell that can capture every event on the device, from touches and information displayed to text input and the applications the user launches.

The malware is delivered through a fake Google Chrome update that is shown while using the web browser. Brokewell is under active development and features a mix of extensive device takeover and remote control capabilities.

Brokewell details
Researchers at fraud risk company ThreatFabric found Brokewell after investigating a fake Chrome update page that dropped a payload, a common method for tricking unsuspecting users into installing malware.Brokewell's main capabilities are to steal data and offer remote control to attackers.

Data stealing:
• Mimics the login screens of targeted applications to steal credentials (overlay attacks).
• Uses its own WebView to intercept and extract cookies after a user logs into a legitimate site.
• Captures the victim's interaction with the device, including taps, swipes, and text inputs, to steal sensitive data displayed or entered on the device.
• Gathers hardware and software details about the device.
• Retrieves the call logs.
• Determines the physical location of the device.
• Captures audio using the device's microphone.

Device takeover:
• Allows the attacker to see the device's screen in real-time (screen streaming).
• Executes touch and swipe gestures remotely on the infected device.
• Allows remote clicking on specified screen elements or coordinates.
• Enables remote scrolling within elements and typing text into specified fields.
• Simulates physical button presses like Back, Home, and Recents.
• Activates the device's screen remotely to make any info available for capture.
• Adjusts settings like brightness and volume all the way down to zero.

Students Achievements

Among 13764 ideas across India, The Top 276 ideas were selected for Grant. Our Students Sri Gayathri Priya and K. Poonkani of IV CSE have granted with 10.50 Lakhs under MSME Hackathon.

Our final year students R. Surya, S. Siva Sankaran participated in the IAM Project Presentation Competition where they presented a "Women Safety Mobile App" which got them the Runner Up from the Top-50 projects from Tamil Nadu.

Table tennis Tournament held on 02.01.22 [Runner]

Ms.K.Abirami, final year Computer Science and Engineering student got second prize in District level tournament which was held at AVC college of Engineering of Engineering and Technology, Mayiladuthutrai.

Prizes and Certificates given by our Executive Director to those who won I and II prize in Quiz and Poster design competition which was conducted for Engineers day celebration

Value Added Courses

Our department organized 5days (31.07.2023 to 04.08.2023) hands on training program on "Cyber Security". Mr.K.Jeyaraman, Cyber Security Analyst, Survey Sparrow, Chennai as Resource person.

Our department organized 5days (31.07.2023 to 04.08.2023) hands on training program on "Internet of Things". Mr.Arun Anand, Team Lead, Kamaraj Software Solution, Virdhunagar as Resource person.

Our department organized 5days (25- 09-23 to 29-09-23) training program on "IIndustry Oriented C Programming". Mr.R.Saravana kumar / Project Manager & Ms.S.JeyaLakshmi/ Senior Software Developer - ICONIX Software Solution as Resource persons.

Industrial Visit

The visit to C-DAC in Thiruvananthapuram was enlightening for our final-year Computer Science and Engineering students.

Computer Science and Engineering Department Accredited by NBA on October 2023

Extension Activity

"Free Awareness Loan Scheme Campaign for Small Industries," under the Unnat Bharat Abhiyan scheme at Thediyoor Panchayat on 25.08.23. Thiru. S. Ganesan, General Manager of the District Industrial Center, Tirunelveli, as Chief Guest.

Alumni Interaction

An Alumni Interaction was organized by the Department of Computer Science and Engineering on 13.09.2023. Mr. Arun Anand, Alumni / Kamaraj Software Solution interacted with students and shared his experiences.

Skill Training Program

A skill Training program was organized by the department of Computer Science and Engineering on 15.09.2023. Mrs. P. Kanagalakshmi, AP/CSE was the Resource person. However 15 non teaching staff were participated and benefitted.

Life Skill Training

The Department of Computer Science and Engineering organized a Life Skill development on Yoga Program on 15.09.2023. It introduced students to various yoga techniques, including physical postures, breath control, meditation, and ethical prin-

International Conference

Department of Computer Science and Engineering has organized International Virtual conference on Innovative Technologies in Computer and Communication from 29/09/2023 to 30/09/2023.

CSI Students Chapter

Computer Society of India (CSI) students' chapter was inaugurated on 28.06.2023, Chief Guest Chief Guest Mr.VinothRaja, Project Manager,Icanio Technology, Tirunelveli highlighted "Why Innovative Knowledge needed in IT Industry?"

Staff Publications

Dr. Sudhakar Sengan, Professor, published 34 papers in reputed International Journals.
Dr. M. Vargheese, Professor, published 3 papers in International Conferences.

Staff Participations

Our faculty members have participated more Faculty Development Programs and Technical Seminars in recent topics like Block Chain Technology, Cyber Security etc. organized by various reputed Institutions

FDP Organized

Our department organized two Faculty development programs, one through Online and the another one through Offline in association with ICT Academy in latest topics.

"The best way to predict the future is to invent it"
- Alan Kay

Placement details

1. Mr. Marisamy V, placed in Tata Consultancy Services, Chennai
2. Ms. Aashika S M, placed in ALO Group of Tech Pvt Ltd, Nagercoil
3. Mr. Arun S. placed in Sanmina SCI India Pvt Ltd, Chennai, Chennai
4. Mr. Dharmadurai N, placed in Sanmina SCI India Pvt Ltd,Chennai, Chennai
5. Ms. Divya R, placed in Foxconn Tech Pvt Ltd, Chennai
6. Ms. Gurudharshini T, placed in Foxconn Tech Pvt Ltd, Chennai
7. Ms. Jothishwari V, placed in Foxconn Tech Pvt Ltd, Chennai
8. Mr. Jayaram K, placed in Amazon India Pvt Ltd, Coimbatore
9. Mr. Karthik Raja S, placed in ALO Infotech,Chennai
10. Mr. Mathesh Kanna K, placed in TMEPS Pvt Ltd, Chennai
11. Ms. Revathi Raja M, placed in L K Associates, Chennai
12. Ms. Kaveri Thangam A, placed in Foxconn Tech Pvt Ltd, Chennai
13. Ms. Kavitha S, placed in Foxconn Tech Pvt Ltd, Chennai
14. Ms. Kembadevi M, placed in Foxconn Tech Pvt Ltd, Chennai
15. Ms. Lakshmipriya C, placed in Foxconn Tech Pvt Ltd, Chennai
16. Ms. Lavanya M, placed in Foxconn Tech Pvt Ltd, Chennai
17. Ms. Mariammal M, placed in Foxconn Tech Pvt Ltd, Chennai
18. Mr. Maris Seenivas S, placed in Hard and Soft Technologies, Tenkasi
19. Ms. Mariselvi A, placed in Foxconn Tech Pvt Ltd, Chennai
20. Ms. Naga Jothi M, placed in Foxconn Tech Pvt Ltd, Chennai

Editorial Board

Institute Vision

To emerge as a pioneer institute inculcating engineering education, skills, research, values and ethics

Institute Mission

* To achieve greater heights of excellence in technical knowledge and skill development through innovative teaching and learning practices.
* To develop the state of art infrastructure to meet the demands of technological revolution. To improve and foster research in all dimensions for betterment of society.
* To develop individual competencies to enhance employability and entrepreneurship among students.
* To instil higher standards of discipline among students, inculcating ethical and moral values for societal harmony and peace.

Department Vision

To emerge as a pre-eminence program to produce quality Computer Science and Engineering graduates

Department Mission

* To enhance professional and entrepreneurial skills through industry institute interaction to enable them in getting better placement
* To promote research and continuing education
* To train the students according to their discipline to meet dynamic needs of the society

Program Educational Objectives

PEO1:Fundamental Knowledge Graduates will be able to perform in technical and managerial rolesranging from design, development and problem solving to suit to the industrial needs
PEO2: Career Development Graduates will be able to successfully pursue higher education and alsoGraduates will have the ability to adapt, contribute and innovate new technologies in different domains of computer science & Engineering
PEO3:Social Identity Graduates will be ethically and socially responsible engineers in computer science & Engineering disciplines

Program Specific Outcomes

PSO 1: Proficient and Innovative with a strong cognizance in the IOT, through the application of acquired knowledge and skills.
PSO 2: Design and Implement IOT based solutions for improving operational efficiency by investigating existing industrial environment.

Program Outcomes

PO1-Engineering Knowledge, PO2-Problem Analysis, PO3-Design / Development of Solutions, PO4-Conduct Investigations of Complex Problems, PO5-Modern Tool usage, PO-6-The Engineer and Society PO7-Environment and Sustainability PO8-Ethics PO9-Individual and Team WorkPO10-Communication PO11-Project Management and Finance PO12-Life-long Learning.

For any suggestions, please contact:

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