SKCET Buzz

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SKCET BUZZ

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2	B.Tech Information Technology	Dr. S. Deepa Kanmani		B.E Electronics and Communication Engineering — Mr. R.Sarath Kumar		8
3	B.E Civil Engineering	Mr. R. Vighnesh		B.E Mechanical Engineering — Dr. S. Balamurugan		9
4	B.E Computer Science and Design and M.Tech Computer Science and Engineering	Mr. Sreeraj S Nair		B.E Mechatronics Engineering — Ms. R.Priyadharshini		10
5	B.E Computer Science and Engineering	Dr. V. K. Reshma		Department of Science & Humanities — Dr. T. Anitha		11
6	B.E Computer Science and Engineering (Cyber Security) and B.Tech Computer Science and Business Systems	Ms. Mary Ani Reka		Master of Business Administration (MBA) — Dr. R. Suyam Praba		12

STUDENT COORDINATORS

#	Department	Coordinator		Department	Coordinator	#
13	B.Tech Artificial Intelligence and Data Science, Second Year, Section B	V. Vasusudhan		B.Tech Artificial Intelligence and Data Science, Third Year — R.A. Kaniga		14
15	B.E Mechanical Engineering, Second Year, Section A	R. Raja Gopal				

INSIDE THE ISSUE

VISION

To Produce Globally Competitive Engineers with High Ethical Values and Social Responsibilities.

MISSION

- To impart the highest quality state-of-the-art technical education by providing impetus to innovation, research, and development and empowering students with entrepreneurship skills.
- To instill ethical values, imbibe a sense of social responsibility, and strive for societal well-being.
- To identify the needs of society and offer sustainable solutions through outreach programs.

SKCET - CIR | INTERNATIONAL ACADEMIC PARTNERSHIP WITH AVILA UNIVERSITY, USA

The Centre for International Relations (CIR), SKCET organized an insightful session titled **'International Academic Partnership with Avila University, USA - Summer and Master's Program 2025'** on 05.02.2025.

Dr. D.Jim Burkee, President, Avila University, USA was the Chief Guest of the event.

This program was designed to **familiarize students and faculty members** about the goals, expectations and opportunities provided through Avila University's collaborative Research programs and partnerships, paving the way for SKCET's students to thrive on the world stage.

CSE | DEFENCE INNOVATION ORGANISATION - IDEX INTERNSHIP

Rithik Raj K S, Final year student of **CSE B** and **Guhan A,** a Third year student of **ECE A**, have been selected among 11 students nationwide for the final round (Personal Interview) of the **iDEX-iDEAL Internship Program 2025,** organized by the Defence Innovation Organisation, Ministry of Defence. This prestigious internship offers a monthly stipend of ₹30,000 for six months and will take place in New Delhi.

CSE | HACK & ROLL 2025

S. Aditya Subramanian, student of **Second** year **CSE** has participated in **Hack & Roll 2025**, annual hackathon organized by the National University of Singapore (NUS) at Singapore on 18th and 19th Jan 2025. He collaborated with team members from Singapore and Japan to develop an innovative project, Maze Escaper, gaming software with a unique concept. This remarkable achievement has provided valuable international exposure for the student, showcasing his talent on a prestigious global platform.

ECE | INTERNSHIP @ BHARAT SANCHAR NIGAM LTD

Dhivyadharshan J, Dharanishankar S, Anusuya K, Aishwarya R, Abinaya M, Anupriya D J and **Kowshika V** students of **Second** year **ECE-A** have attended an implant training at **Bharat Sanchar Nigam Limited (BSNL).** It was an enriching experience which provided valuable insights into the fundamentals of telecommunication systems. During the training, students were introduced to the core concepts of optical fiber communication, switching systems, mobile networks, broadband technologies and satellite communication.

CSBS | NATIONAL SEMINAR PARTICIPATION

Karthik Sidharth Jeevananthan, student of Second year **Computer Science and Business Systems** participated in DRDO Sponsored Two Day National Seminar on "Roles and Challenges of Deep Learning Based Landslide Susceptibility Mapping Using Geo-Spatial Information System" organized by the Department of Computer Science and Engineering, Karpagam College of Engineering, Coimbatore held on 5th and 6th February 2025.

S&H | STUDENT PARTICIPATION

Adithya Bharathi, student of First year **CSD** has participated in the **Game Development** event held at Karpagam Institute of Technology and has secured First Prize, with a cash award of Rs. 1500/-.

ECE | INTERNSHIP @ HACKWIT

HACKWIT
REDEFINE BY TECHNOLOGIES

23.12.2024

CERTIFICATE FOR INTERNSHIP

TO WHOMSOEVER IT MAY CONCERN

This is to Certify that **Madhanyoharaj S** student of Sri Krishna College of Engineering & Technology, B. E, Electronics & Communication Engineering, has successfully completed the Internship at Hackwit Technologies from 3ʳᵈ December to 21ˢᵗ December 2024.

During the internship **Madhanyoharaj S** has closely worked as a part of the **Augmented Reality and Virtual Reality (AR/VR)**.

He demonstrated good developing and learning skill with self-motivated attitude to learn new things. His contribution to implement the AR/VR was good. We wish him all the best for his future endeavors.

Best Regards,

Ravikumar S

CEO & Managing Director

Hackwit Technologies Pvt Ltd

9566583650
9629683500

adming@hackwittechnologies.com
www.hackwittechnologies.com

3rd Floor, Advance Studies,SIST,
Sholinganallur, Chennai - 600119

Madhan yoharaj.S student of Second year **ECE**-A has attended internship training in the area **of Augmented Reality and Virtual Reality (**AR/VR) at Hackwit Technologies from 03.12.2024 to 21.12.2024

S&H | WORKSHOP ON AI

14 students from **First** year **AI&DS** have participated in the **"Artificial Intelligence Workshop"** organized by Top Engineers –India in association with Mechanica 2024 – IIT Madras on 02.02.2025.

ECE | INTERNSHIP @ MINISTRY OF RAILWAYS

Prince peter P, student of Second year **ECE-C** has attended internship training at the Ministry of Railways from 09.12.2024 to 18.12.2024.

CSBS | PAPER PRESENTATION

Devin James R, Hari Krishnan R, Raja Balaji N, Subhash R, Yogeeshwaran G, students of Third year Computer Science and Business Systems presented a paper titled **"Companion Recognition System for Amnesia Affected Persons"** in the International Conference on Computing and Intelligent Reality Technologies(ICCIRT 2024) organized by the Division of Computer Science and Engineering & Artificial Intelligence and Machine learning at **Karunya Institute of Technology and Sciences, Coimbatore** held during Dec 5th & 6th 2024.

CSBS | PATENT PUBLICATION

The Patent Office Journal No. 03/2025 Dated 17/01/2025   7493

Subhash R, Devin James R, Dharanish K, Nikita G,Seshan Bharathi S M, Tejus S,Thithiksha J, Vaishak S, students of CSBS under the Guidance of **Dr.S.Palani & Dr.R.Yasir Abdullah,** Assistant Professors, CSBS have published a patent title **"Elephant Deterrent System"** in the Patent Office Government of India Dated on 17/01/2025 Journal No. 202541001917 A.

CSY | NATIONAL SEMINAR PARTICIPATION
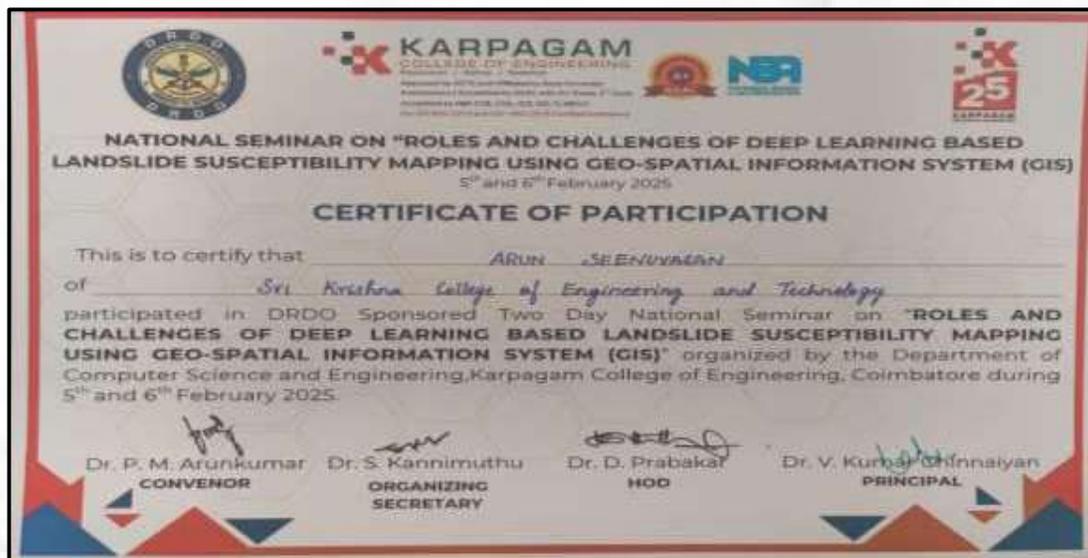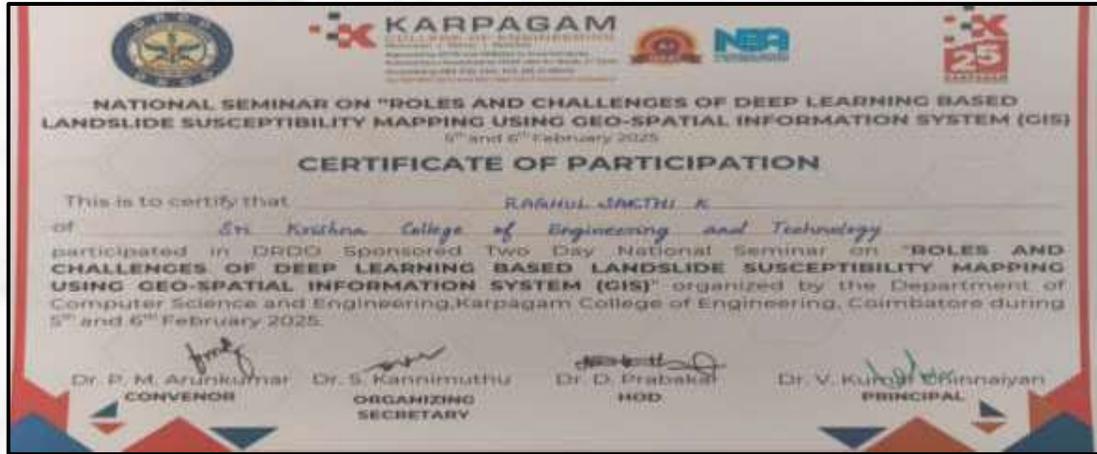
Raghul Sakthi K and **Arun Seenuvasan**, students of **Second** year **Computer Science and Engineering (Cyber Security)** participated in DRDO Sponsored Two Day National Seminar on **"Roles and Challenges of Deep Learning Based Landslide Susceptibility Mapping Using Geo-Spatial Information System"** organized by the Department of Computer Science and Engineering, Karpagam College of Engineering, Coimbatore held on 5ᵗʰ and 6ᵗʰ February 2025.

CSBS | PATENT PUBLICATION

The Patent Office Journal No. 04/2025 Dated 24/01/2025   9518

Subhash R, Devin James R, Dhanush M, HariKrishnan R, Harshavardhini D, Kiruba R, Raja Balaji N,Varun B, Yogeeshwaran G students of **Third** year, Computer Science and Business Systems have published a patent title **"WaranteeX- Blockchain Powered Warranty Solutions"** in the Patent Office, Government of India on 24.01.2025 with the Application No. 202541002723 A.

MCT | IOT WORKSHOP

Mr.M.Kalaiselvan and Mr. Owshick, students of Mechatronics Engineering have participated in the workshop titled **"IoT Automation and Raspberry Pi"** conducted by Shaastra, IIT Madras on the 04.01.25.

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EVENTS

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EEE | HIGHER EDUCATION OPPORTUNITIES

Higher Education Cell (HEC) of SKCET organized an insightful awareness program on **'Higher Education Opportunities in Ireland'** on 30.01.2025.

Session Speakers:
1. Mr. Joydeep Saha, Marketing Manager (South Asia), International Office, India
2. Mr. Sandeep Shanmugam, SDOC Consultants (Study Ireland), Chennai
3. Mr. N.Saravana Kumar, Chief Consultant (Study Ireland), Chennai

The session featured distinguished experts who provided valuable insights into the various opportunities available at the **University of Galway, Ireland.** The interactive discussion highlighted pathways for students aspiring to broaden their academic and career prospects through international education.

Key Takeaways:
- Diverse higher education opportunities in Ireland,
- Employability services and career prospects,
- Gateway to Europe through Irish education,
- Research and Innovation opportunities,
- Entry requirements and eligibility criteria.

CSE | CYBER SECURITY AND CYBER HYGIENE PRACTICES

Department of **Computer Science and Engineering** organized an Awareness Session on **Cyber Security and Cyber Hygiene Practices** on February 1, 2025. This session was conducted as a part of the Information Security Education and Awareness (ISEA) Project, a flagship initiative funded by the Ministry of Electronics and Information Technology (MeitY) Government of India. C-DAC Bangalore, which serves as the Regional Coordination Centre (RCC) for the ISEA Project, played a pivotal role in delivering this session.

Resource Persons: Mr. Naman Richchariya, Project Associate, C-DAC Bangalore, Mr. D. Suryansh, Project Engineer, C-DAC Bangalore.

MCT | ESSAY WRITING COMPETITION- SAY NO TO DRUGS

Department of **Mechatronics Engineering** organized an Essay Writing Competition on **"Say No to Drugs"** as a part of NSS activity on 30.01.2025.

Prize winners

- 1st place - Sherin Farhana, III MCT B
- 2nd place - B Pragathi, I MCT B
- 3rd place - S Swetha, I MCT B

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TUTOR WARD MEETING

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CIVIL | CLASS COMMITTE MEETING

Kuniyamuthur, Tamil Nadu, India
Wxp4+c8g, Bk Pudur, Sugunapuram East, Kuniyamuthur,
Coimbatore, Tamil Nadu 641008, India
Lat 10.935898° Long 76.955828°
29/01/25 11:28 AM GMT +05:30

Class Committee Meeting was conducted on 29th January 2025 for the Third year **Civil** Engineering Students. **Dr. A. Rajesh**, Professor, Department of Mechanical Engineering chaired the meeting.

The following points were discussed in the meeting,

- Student discipline and attire
- Course syllabus completion
- Class Attendance
- Placement training and its importance
- Student participation in competitions
- General issues.

CIVIL | CLASS COMMITTE MEETING

Kuniyamuthur, Tamil Nadu, India
Skcet Mechanical Block, Bk Pudur, Sugunapuram East,
Kuniyamuthur, Tamil Nadu 641008, India
Lat 10.935827° Long 76.956244°
30/01/2025 03:35:26 PM GMT +05:30

Class Committee Meeting was conducted on 30th January 2025 for the Third year **Civil** Engineering Students. **Dr. C. Rajendran**, Associate Professor, Department of **Mechanical Engineering** chaired the meeting.

The following points were discussed in the meeting,

1. Student discipline and attire
2. Course syllabus completion
3. Class Attendance
4. Problem of the Day
5. Student participation in competitions

EEE | CLASS COMMITTE MEETING
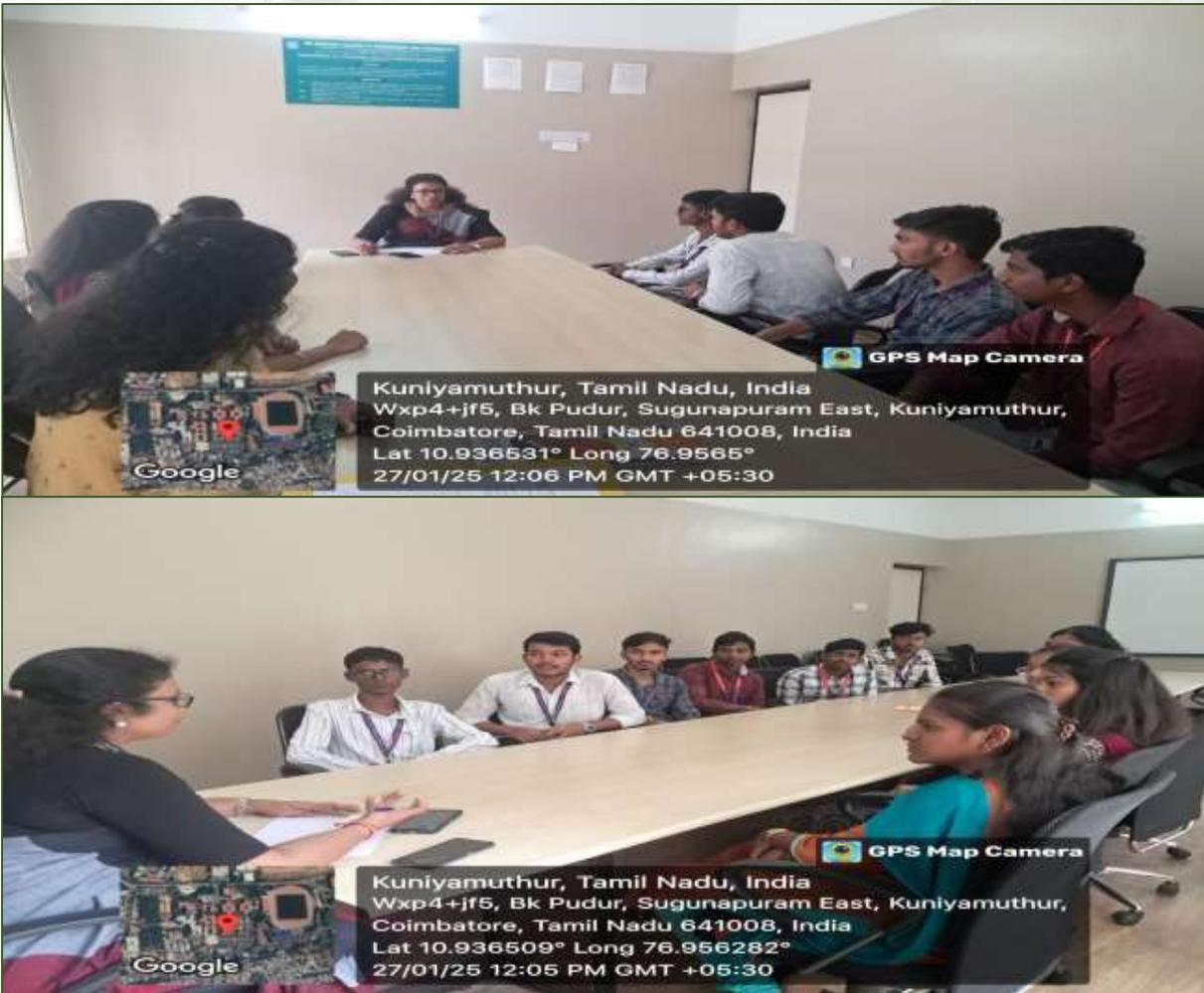
Department of **EEE** conducted **Class Committee Meeting** for the **Second** year **EEE** students on 27.01.2025. The Pointers of discussion were: Syllabus Coverage, Placement Training, Development of soft skills and communication skills, My classroom usage and Preparation for Assessment Test.

Class Committee Chairperson - **Dr.V.K.Reshma,** Associate Professor / Department of Computer Science Engineering.
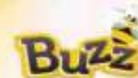
EEE |PLACEMENT TESTIMONIAL

As I look back on my journey and anticipate the exciting new chapter ahead, I am grateful to my Head of the Department, year coordinator, tutors and the faculty members of EEE department who provided me with unwavering support and guidance which have been instrumental in helping me to achieve my goals. Thanks to their efforts, I have secured a position at Accenture pvt limited.

This accomplishment reflects the exceptional education and experiences I have received. As I step into this new role, I am both excited and humbled by the opportunities ahead. With the support of my mentors and peers, and the knowledge I've gained, I look forward to making meaningful contributions to society and building a successful career. Thank you once again for being an essential part of my journey and helping me reach this milestone.

NITHYA SREE S, EEE

Accenture Pvt Limited

SKCET | PLACEMENT TESTIMONIAL

I am **Yukesh P S** from the **Electronics and Communication Engineering** Department, batch of 2021-2025. My journey at SKCET has been truly transformative, offering me invaluable opportunities to enhance both my technical and interpersonal skills. Industry expert sessions kept me updated with the latest advancements, while dedicated training programs helped shape my soft skills and overall personality, playing a crucial role in my placement success. SKCET provides an exceptional environment to learn, grow, and showcase one's potential. I am deeply grateful to my parents for guiding me toward this institution. A heartfelt thanks to the placement cell and faculty members for their constant support and guidance throughout the placement process. I am proud to be placed at Applied Materials and sincerely appreciate the Principal and the entire SKCET faculty for their invaluable contribution to my achievement.

YUKESH P S, ECE

Applied Materials

SKCET | PLACEMENT TESTIMONIAL

I am Akash G, final year student of Electrical and Electronics Engineering 2021 – 2025 batch. I'm immensely grateful to SKCET for being the foundation of my academic and professional journey. The strong technical curriculum, hands-on learning approach, and dedicated faculty played a pivotal role in shaping my career. With the knowledge and skills, I gained at SKCET, I had the incredible opportunity to secure placements at **Applied Materials** and **Zoho Corporation**. The institution provided me with the right environment to explore my passion. The training for improving soft skills and overall personality development played a significant role in my placement journey. I would like to extend my heartfelt thanks to the placement cell and the faculty team for their unwavering support and guidance at every stage of the placement process. I sincerely thank the Management, Principal and the entire SKCET faculty team for helping me achieve this milestone in my career.

AKASH G - EEE,
Applied Materials
& Zoho Corporation

R&D | PAPER PUBLICATION | ECE

Dr.J.R. Dinesh Kumar, Assistant Professor, Department of **ECE**, has published SCI and Scopus indexed Journal titled **"A certain examination on heterogeneous systolic array (HSA) design for deep learning accelerations with low power computations"** in the Journal, Sustainable Computing: Informatics and Systems.

R&D | PAPER PUBLICATION | CIVIL

Dr. R. Chandra Devi, Associate Professor, Department of **Civil Engineering,** has published a research article titled **"Prediction of drinking and irrigation chemical water quality indices using a multilinear regression approach in Cuddalore district, Tamil Nadu, India"** in Water supply journal. It is indexed in Scopus and WoS.

R&D | BOOK PUBLICATION | IT
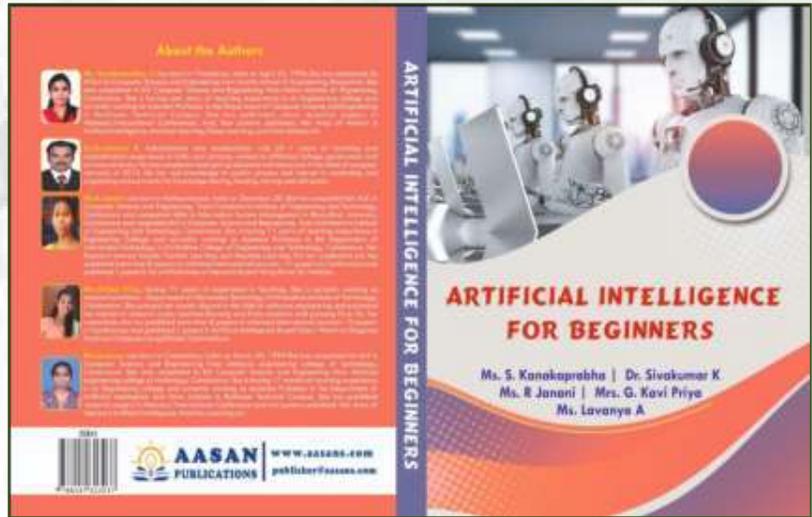
Ms.R.Janani, Assistant Professor, **IT** has published a book Titled

"**Artificial Intelligence for Beginners**" by AASAN Publications

R&D | BOOK PUBLICATION | IT

Ms.R.Janani, Assistant Professor IT has published a conference paper Titled **"Real-Time Tomato Leaf Disease Detection and Diagnosis Using Deep Learning-Based Computer Vision Techniques"** published by Advances in Machine Learning and Big Data Analytics Conference, Springer Proceedings.

Real-Time Tomato Leaf Disease Detection and Diagnosis Using Deep Learning-Based Computer Vision Techniques

Conference paper | First Online: 03 February 2025
pp 195 - 216 | Cite this conference paper

S. Kanakaprabha, P. Aruiprakash, G. Ganesh Kumar, T. Udhayakumar & R. Janani

Part of the book series: Springer Proceedings in Mathematics & Statistics ((PROMS,volume 441))

Included in the following conference series:
International Conference on Machine Learning and Big Data Analytics

Abstract

Tomato plants are vulnerable to numerous diseases, which can have significant impact their growth and yield. Early discovery and accurate analysis of these diseases are critical for implementing timely and operative control measures. In modern years, deep learning-based computer visualization methods have emerged as powerful tools for real-time tomato leaf disease recognition and diagnosis. The system utilizes a convolutional neural network (CNN) model to repeatedly categorize tomato leaves as healthy or diseased based on images taken in the field. The model is skilled on a dataset of labeled imageries of tomato leaves, with each image containing a specific disease or being healthy. The system is implemented on a portable device for real-time use in the field, allowing for rapid and accurate diagnosis of tomato leaf diseases. The investigational results show that the suggested system achieved high accuracy in disease classification, with an average precision of 98.11%. Furthermore, the system also successfully detects multiple diseases present in the same leaf, which is a significant improvement over traditional methods that often fail to detect multiple diseases. The proposed real-time tomato leaf disease detection and diagnosis system using deep learning-based computer vision procedures can effectively detect and diagnose multiple diseases in tomato leaves in real time. This technology can be used to improve the effectiveness and correctness of disease discovery, ultimately reducing the use of harmful pesticides and increasing crop yields. This chapter highlights the potential impact of real-time tomato leaf disease detection and diagnosis using deep learning-based computer vision performances. Early detection and diagnosis can facilitate timely interventions, leading to improved disease management, increased crop yield, and reduced reliance on chemical treatments.

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FACULTY PROGRESSION

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MECH | FACULTY COMPETENCY IN EMERGING AREAS

Following faculty members from the Department of **Mechanical Engineering** have successfully completed AICTE QIP PG Certificate program on various emerging areas during July to December 2024.

- **Dr S Raja - Block Chain and Data Science from IIT Patna.**
- **Mr. N. Gunasekaran - 3D Printing from IIT Palakkad**
- **Mr. J. Dhiyaneshwaran - Data Science from IIT Bhilai**

The Felicitation Ceremony and certificate distribution was held at AICTE Head Quaters, New Delhi on 31.01.2025. AICTE Chairman Shri.T.G.Sitharaman headed the felicitation ceremony.

IT | WIPRO JAVA FULL STACK

Dr.G. Shobana, Assistant Professor, Department of **IT** has attended the **WIPRO certified Faculty program** on **Advanced Java Full Stack** that included topics like RestAPI, Spring Boot, Microservices, Grafana, Prometheus, Kubernetes, Docker, Jenkins and Deployment in AWS Cloud. Around 38 faculty members from various Institutions in and around Tamil Nadu, Andhra Pradesh and Karnataka attended the program and it was conducted by WIPRO TalentNext Learning Centre, Shollinganallur, Chennai, from 20.01.2025 to 31.01.2025.

ECE | ATAL CERTIFICATION

Dr.V.R.Balaji, Professor, Department of **ECE** has successfully completed ATAL academy Faculty Development program on "**Artificial Intelligence Techniques in VLSI Design**" at PSNA College of Engineering and Technology, Dindigul from 20.01.2025 to 25.01.2025.

ECE | ATAL CERTIFICATION

Dr.V.R.Balaji, Professor, Department of **ECE** has successfully completed ATAL academy Faculty Development program on "**Design for test(DFT) strategies in AI and Machine Learning SoC**" at DMI Engineering College from 27.01.2025 to 01.02.2025.

CSY | PATENT PUBLICATION

Dr.S.Palani & Dr.R.Yasir Abdullah, Assistant Professors, Computer Science and Engineering (Cyber Security) have published a patent title **"Hydraella - Smart Umbrella for Monitoring Hydration Levels"** in the Patent Office Government of India Dated on 31/01/2025 Journal No. 202541004621 A.

CSY | PATENT PUBLICATION

Dr.S.Palani & Dr.R.Yasir Abdullah, Assistant Professors, Computer Science and Engineering (Cyber Security) have published a patent title **"Aquanirmalis - Sustainable water Filter Using Nirmali Seeds"** in the Patent Office Government of India Dated on 31/01/2025 Journal No. 202541004624 A.

MCT | ATAL CERTIFICATION

Mr.S.Dinesh, Assistant Professor of **Mechatronics Engineering Department** has participated AICTE Training and Learning (ATAL) Academy Development Program on **"Unmanned Air Vehicles and Drone Technology"** at Maturi Venkata Subba Rao Engineering College from 27/01/25 to 01/02/25.

LEGENDARY INSIGHTS

"Education is not the learning of facts, but the training of the mind to think."
— Albert Einstein
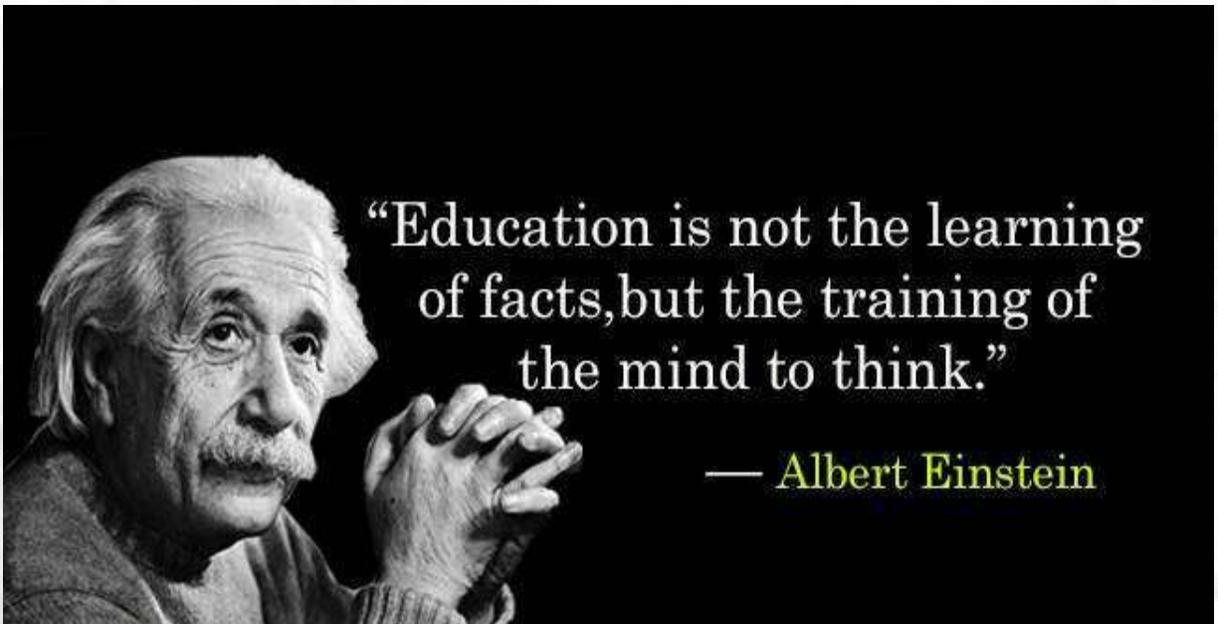
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