



# CSE GAZETTE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY



## TABLE OF CONTENTS



# ABOUT US

## THE INNOVATORS

Computer Science Engineers apply the principles of computer science and mathematical analysis to the design, development, testing and evaluation of the software systems. The department of CSE was established in the year 1998. The department holds one U.G. Degree Programme- B.E.Computer Science and Engineering and two P.G. Degree Programmes namely M.E. Computer Science and Engineering and M.E. Software Engineering. The total sanctioned intake of the CSE department is 180 students, which is empowered by 51 faculty. The Department is recognised by Anna University as a Research Centre and has successfully produced 14 Ph.D. scholars. Amazon, ZOHO, Fourkites, Informatica, Sirius, Codingmart, Hashed In, Zilker, Coviam, Odessa, Kaar, Virtusa, Intain, Value Labs, Astrazeneca, Gain insights, Aspire Systems, Vedantu, Atlas, Freshworks, Accenture, Infoview, WIPRO, Athena Health Care, Skill Lync and Tech Mahindra Ltd, are some of the prominent placement companies that visit our campus offering a good package.



## VISION

- Develop human resources with the ability and attitude to adapt to emerging technological changes through academic and research oriented events
- Identify current socio, economic problems of national and international significance and provide solutions through competency centers
- Impart ethics, social responsibilities and necessary professional, entrepreneurial and leadership skills through student lead activities

## MISSION

- To prepare professionals with high technical, research and entrepreneurial skills as well as ethical values who will contribute to the computational world.

# DEPARTMENT OF CSE

## PROGRAMME EDUCATIONAL OBJECTIVES (PEO'S)

- Be successful in their career in industries associated with Computer Science and Engineering.
- Comprehend, analyze, design, and create novel products and solutions for the real life problems.
- Possess professional and ethical attitude, effective communication skills, team working skills, multi-disciplinary approach, and an ability to relate engineering issues to broader social context.
- Exhibit leadership qualities and progress through life-long learning

## PROGRAMME SPECIFIC OBJECTIVES (PSO'S)

PSO 1:Apply the fundamental knowledge for problem solving and analysis as well as conduct investigations in computer science and engineering for sustainable development

PSO 2:Design and develop the solutions for real time problems and implement them by using modern software tools in lieu of deploying them in the society for its growth.

PSO 3:Communicate effectively, adopt ethics and engage in life-long learning

## HOD'S DESK

**DR. K. SASI KALA RANI**

PROFESSOR & HEAD  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Department of Computer Science and Engineering has consistently scored an exemplary academic record. The greatest driving force behind effective functioning of the department is its highly motivated and dedicated faculty. Computer Science and Engineering department maintains sharp and proper placement track record. The Department not only works to make our students technically sound and knowledgeable but also nurtures their roots of wisdom to make them a better and responsible human being and stick to the decorum. We assure that we will always continue to deliver our best to serve the society and mankind. Our graduates are serving well in organizations and play a prudent role in the upliftment of society.



# EDITORIAL BOARD

## CHIEF EDITOR

**Dr. K. Sasi Kala Rani**  
Professor and Head / CSE

## EDITORS

**Dr. S. Oswalt Manoj**  
Assistant Professor / CSE

**Ms. N. Pooranam**  
Assistant Professor / CSE

## EDITORIAL TEAM

**Mr. Ashwin K Biju**  
Third Year CSE

**Ms. Angelin Varghese**  
Third Year CSE



# HACKATHON ACCOLADES

## LIST OF HACKATHONS

**Smart Pune Health Hackathon 2023**

**Police Hackathon**

**National Level Tech Fest Hackathon**

**Startup TNDevHack 2023**

**Startup Smackdown Ideathon**

**Tech-a-thon 2.0**

**Electhon 2023**



# SMART PUNE HEALTH HACKATHON

Second and Third year CSE students teams proudly adorned First and Second place with cash prize of 75K and 50K respectively along with an opportunity to implement projects from sponsored companies in The Smart Pune Health Hackathon 2023 organised by Pune Smart City Development Corporation during 13-14, February 2023. Applauses for the teams were embellished by the organisers for the top two winning teams are from the same and one of the renowned colleges from Tamil Nadu.



## Team Details:

### Team 1: AdXMark (First place)

- Prithika Andrea Angelina F- II CSE
- ShwetaHarini S- III CSE
- Nagasundar N- II CSE
- Monish Kumar A- II CSE

### Team 2: Tied up (Second place)

- Naveen M- II CSE
- Priyadarshini U- II CSE
- Madhumita R- II CSE
- Priyadarshini B- III CSE
- Rajkumar T- III CSE

## Mentors:

Ms.A.Priya, AP/ CSE

Dr S.Oswalt Manoj, AP/CSE



# APPRECIATION BY PRINCIPAL MADAM

## The Smart Pune Health Hackathon 2023

Two teams of our CSE Students, who recorded an epic victory in the **Smart Pune Health Hackathon**, were acclaimed for their commendable performance by our respectful **Principal madam Dr.J.Janet** for adorning the **first and second places** along with **Dr.K.Sasi kala Rani**, Head of the department and their mentors.



# POLICE HACKATHON

Our student team has won Special Mention award with a cash prize of Rs.10000. The team participated in the 30- hours offline grand finale held at IIIT, Bangalore on 04th and 05th Feb, 2023.

**Problem Statement:** Unified Data Verification

## Team Members

1. Ashwin K Biju - III CSE
2. Aswathy S - III CSE
3. Kumaraguru T - IV CSE
4. Bhuvanesh T G - III M.Tech CSE

**Mentor :** Ms. A. Priya, AP/CSE



## POLICE HACKATHON



Special Prize of ₹10,000 for the COMMENDABLE PERFORMANCE

Hackoverflow

Academia Partner 

Technology Partner  + 

Co-organised by 




## Certificate OF APPRECIATION

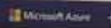

POLICE HACKATHON

Ashwin Biju (hackoverflow)

for their noteworthy performance in the 'Police Hackathon' organised by the Karnataka State Police held on the 4th and 5th of February 2023 at IIIT Bangalore

  
Shri. Praveen Sood, IPS  
DG & IGP, Karnataka State Police

  
Prof. Debabrata Das  
Director, IIITB

 + 




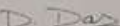
## Certificate OF APPRECIATION

POLICE HACKATHON

Aswathy Harikumaran (hackoverflow)

for their noteworthy performance in the 'Police Hackathon' organised by the Karnataka State Police held on the 4th and 5th of February 2023 at IIIT Bangalore

  
Shri. Praveen Sood, IPS  
DG & IGP, Karnataka State Police

  
Prof. Debabrata Das  
Director, IIITB

 + 



## Certificate OF APPRECIATION


POLICE HACKATHON

Bhuvanesh T G (hackoverflow)

for their noteworthy performance in the 'Police Hackathon' organised by the Karnataka State Police held on the 4th and 5th of February 2023 at IIIT Bangalore

  
Shri. Praveen Sood, IPS  
DG & IGP, Karnataka State Police

  
Prof. Debabrata Das  
Director, IIITB

 + 





## Certificate OF APPRECIATION

POLICE HACKATHON

Kumaraguru T (hackoverflow)

for their noteworthy performance in the 'Police Hackathon' organised by the Karnataka State Police held on the 4th and 5th of February 2023 at IIIT Bangalore

  
Shri. Praveen Sood, IPS  
DG & IGP, Karnataka State Police

  
Prof. Debabrata Das  
Director, IIITB

 + 

# TECH FEST HACKATHON

SKCET CSE - RENOWNED ACHIEVEMENT AT JANSONS INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering feel elated to share that our student Siddesh Agarwal from Second year has won First Position for completing Capture the Flag Project at National Level Tech Fest-Hackathon conducted by Jansons Institute of Technology held on February 25th 2023.



## STARTUPTNDEVHACK 2023



The Department of Computer Science and Engineering Student teams from second year have been participated in the StartupTNDDevHack 2023 Hackathon co-partnered with the Maxellerator Foundation, Thiagarajar College of Engineering – Madurai, Google Developer Groups – Madurai and Young Indians on 27.01.2023 held at Thiagarajar Engineering College, Madurai.

### Team Details

Team Name: ADxMARK  
Team Members:  
1.Prithika Andrea Angelina F  
2.Monish Kumar A  
3.Nagasundar N  
4.Shweta Harini S

Team Name: Quaders  
Team Members:  
1.BalaVelan M  
2.Ajay K  
3.Dharanidharan S  
4.Abishek Girish  
5.DhanushTharan M  
6.Dharun C

Team Name: Code of Duty  
Team Members:  
1.Praveen T  
2.Pranav Kumar  
3.Nandha Kumar  
4.Navaneethan  
5.Rahul R N  
6.Rahul L





**Sustainable Development Goals (SDG)**

This Application helps us to evaluate the Social Health and well being of the user and it saves many people lives by reducing unnecessary medication.

**3 GOOD HEALTH AND WELL-BEING**

**MEET OUR TEAM- ASPIRE CODERS**

SHARAN PRASAD S	PRIVYANSHU T	LAYA RANJITH M	JEGATHEESWARAN T	VENGATESHWARAN M
IV-CSE-'C'	I-IT-'B'	I-IT-'B'	II-CSE-'A'	ASST.PROFESSOR/CSE
BLOCK CHAIN	FULL STACK DEVELOPMENT	WEB DEVELOPMENT	AI/ML	MENTOR

# STARTUP SMACKDOWN IDEATHON

A team from SKCET won Second place in Startup Smackdown- a Virtual Ideathon organized by Sri Sai Ram Engineering College (Autonomous), Chennai and awarded with cash prize of 5k.

Project Title: Sociopoints  
 Team Name: Aspire Coders  
 Team Members:

Sharan Prasad S - IV CSE 'C'  
 Jegatheeswaran T - II CSE 'A'  
 LayaRanjith M- I IT 'B'



# TECH-A-THON 2.0

## TECH-A-THON 2.0

**HEALTHCARE TRACK**

**WINNER**

**Team ADxMark**

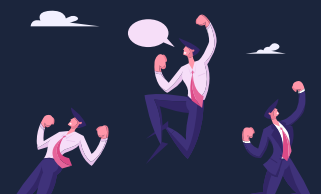
Prithika Andrea Angelina  
 Nagasundar Nagappan

**TECH-A-THON 2.0**

Department of Computer Science and Engineering feel elated to share that our Second year Student team for pulling an A-game. The team contested against 250+ participants in the TECH-a-THON 2.0 which was organized under UDAAN, the annual fest of Institutions Innovation Council (IIC) at Shaheed Rajguru College of Applied Sciences for Women, University of Delhi. The team secured First Prize under the category Healthcare and was awarded 740 dollars + Kind. The team also received honorable mention amidst working professionals.

Team members:

1. Prithika Andrea Angelina F (II - CSE)
2. Nagasundar N (II - CSE)





# E-RAKSHA COMPETITION

Kaveenesh B.V of Third Year CSE has bagged first prize in the Tech Avishkar event that is part of E-Raksha competition organized by NCERT and Cyber Space Foundation in association with MeitY, Government of India.

TECH AVISHKAR College Students				
NAME	COLLEGE	CITY	STATE	REMARKS
Kaveenesh B.V Shrihar College of Engineering and Technology Vijaya, Jh	St. Annas College of Engineering and Technology Thiruv. College of Engineering and Technology Thiruvananthapuram	Salem Vizhavilwar Vennar Nagar	Tamil Nadu Kerala Tamil Pradesh	Winner Merit Certificate Merit Certificate

TECH AVISHKAR Teachers				
NAME	SCHOOL	CITY	STATE	REMARKS
Vivek Singh	SRGVV Public School	Delhi	Delhi	Winner

TECH AVISHKAR Parents & Guardians				
NAME	CITY	STATE	REMARKS	
Siddharth Varma P. Guntur	Madhapur Kolkata	Uttar Pradesh West Bengal	Winner Merit Certificate	



# ELECTION 2023

## ELECTION-2023, HACKATHON HOSTED BY ELECTION COMMISSION OF INDIA

Department of Computer Science and Engineering and M.Tech CSE feel elated to share that our Third year Student team won Runner-up with a cash award of Rs.50,000 in Election '23, a 30 hrs hackathon organized by Election commission of India held at IIT, Bangalore during 15-16 April 2023. Totally 493 ideas were submitted from all over India in that 40 teams were shortlisted for the grand finale and our SKCET team won Runner-up.

**Problem statement:** To increase the participation of urban and youth voters in elections to ensure their involvement in democratic process.

**Team Members:**

Devadharsana S - III CSE

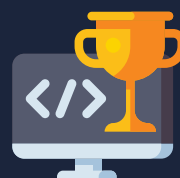
Aswin B- III CSE

Ashwin K Biju- III CSE

Bhuvanesh T G- III M.tech CSE

**Mentor**

Ms.Priya A, AP/CSE.



# CHENNAI POLICE CYBERX HACKATHON



## SKCET CSE- REMARKABLE WIN AT CYBERX HACKATHON ORGANIZED BY GREATER CHENNAI POLICE

We are joyful to share that 3 teams from I and II CSE participated in the Cyberx Hackathon organized by Greater Chennai Police at VIT Chennai. The projects built by the students brought attention to the multiple avenues of cybersecurity. SKCET teams proved their worth in the esteemed podium by bagging the third prize with the cash award of ₹20000. The team was bestowed with this honour by Mr. Shankar Jiwal IPS, Chennai Police Commissioner.

### Team Members:

3rd prize

Sneha Janarthanan- II CSE

Yashu Venkat- II CSE

Top 50

Praveen T- II CSE

Kruthangya- I CSE

Lakshmi Priya- I CSE

Jeya Harini- I CSE

Larwin- I CSE

Rahul A- I CSE

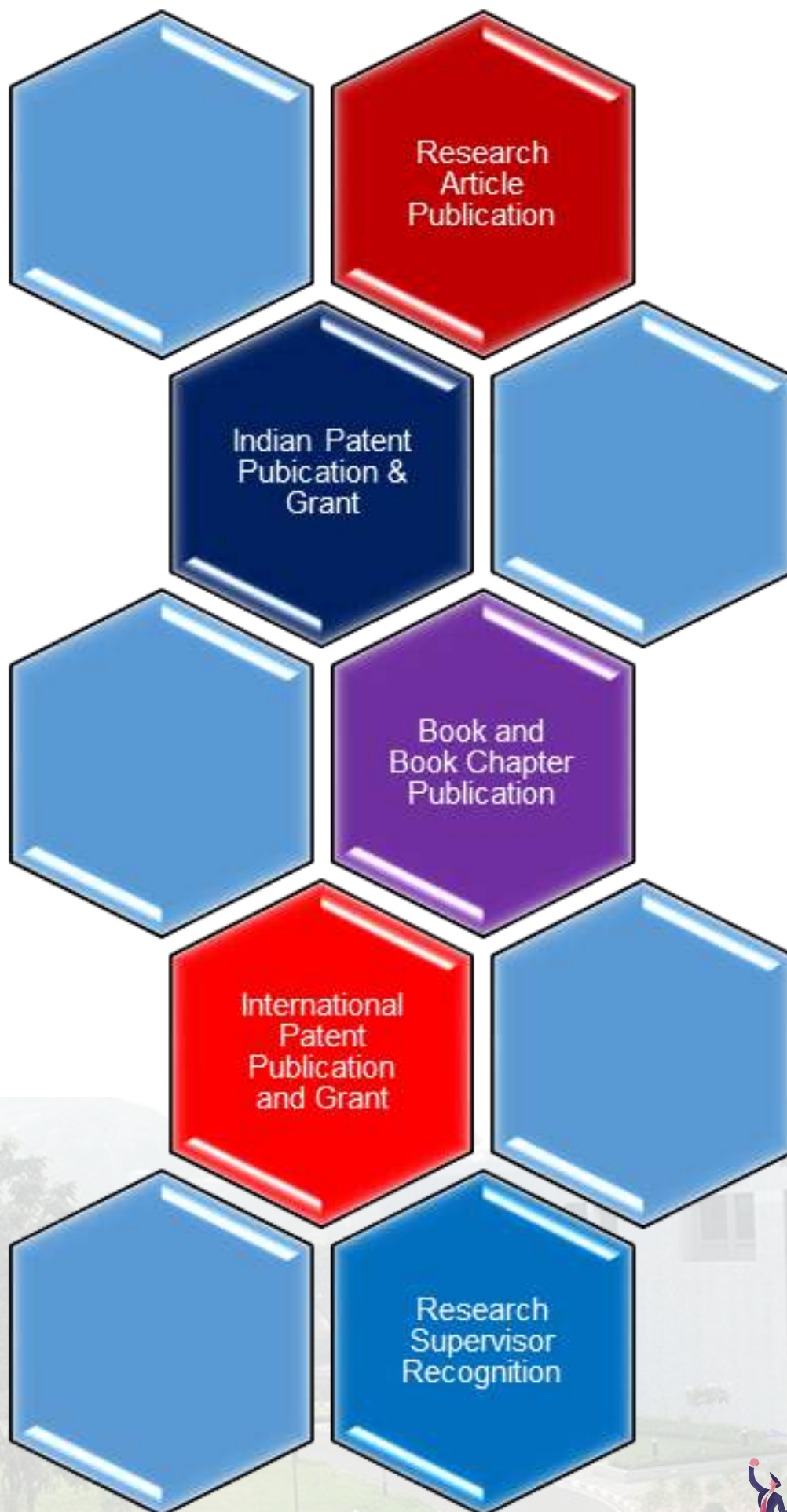
### Mentors:

Dr.M.Rohini (AP/CSE)

Ms.A.Priya (AP/CSE)



# RESEARCH & DEVELOPMENT



# RESEARCH & DEVELOPMENT

## RESEARCH ARTICLE PUBLICATION

Dr.J.P.Ananth, COE & Dean Academics SKCET, has published a research article titled “**Remora Jaya Optimization-Enabled Deep Quantum Neural Network for Underwater Target Tracking Using Radar Images**”, in *Cybernetics and Systems* (2023) Taylor and Francis. <https://doi.org/10.1080/01969722.2023.2175142>



2022/23, 6:17 AM Remora Jaya Optimization-Enabled Deep Quantum Neural Network for Underwater Target Tracking Using Radar Images: Cybernetics and Systems

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Research Article

### Remora Jaya Optimization-Enabled Deep Quantum Neural Network for Underwater Target Tracking Using Radar Images

D. Thiruselvan & J. P. Ananth  
Published online: 14 Feb 2023

Download citation <https://doi.org/10.1080/01969722.2023.2175142> Check for updates

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#### Abstract

The Ocean boundaries can be protected by pursuing an underwater uncooperative target and permits for the exploitation of ocean resources. This research design a novel technique, named Remora Jaya Optimization (RJO)-enabled Deep Quantum Neural Network (DQN) Remora Jaya Optimization (RJO)-enabled Deep Quantum Neural Network (DQN) by considering the impacts of an unknown underwater environment for effective underwater target tracking in radar images. Here, the image is modified effectively using the RJO algorithm because the input radar signal is applied to the image reconstruction process. The modified image is fed up to the

<https://www.tandfonline.com/doi/full/10.1080/01969722.2023.2175142?scroll=top&needAccess=true&role=tab>

# RESEARCH & DEVELOPMENT

## RESEARCH ARTICLE PUBLICATION

Dr.Ramesh K, Professor, Department of CSE has published a research article titled “**An Energy Efficient Resource Monitor and Alert Model Using Cloud Computing**”, in the *International Journal of Intelligent Systems and Applications in Engineering* vol. 10, no. 2s, pp. 105–110, Dec. 2022, ISSN: 21476799.It is Scopus Indexed.



1/19/23, 8:27 PM An Energy Efficient Resource Monitor and Alert Model Using Cloud Computing | International Journal of Intelligent Systems and Applications in Engineering

HOME / ARCHIVES / VOL. 10 NO. 2S (2022) / Research Article

### An Energy Efficient Resource Monitor and Alert Model Using Cloud Computing

**Prabha S.**  
Research Scholar, Department of CSE, Hindustan Institute of Technology and Science, Chennai, India  
[prabhas@hites.ac.in](mailto:prabhas@hites.ac.in)

**Thangakumar J.**  
Associate Professor B Head, Department of CSE, Hindustan Institute of Technology and Science, Chennai, India  
[thangakumar.j@hites.ac.in](mailto:thangakumar.j@hites.ac.in)

**K. Ramesh**  
Professor, Department of CSE, Sri Krishna College of Engineering and Technology, Coimbatore, India  
[kramesh@skcet.ac.in](mailto:kramesh@skcet.ac.in)

**Keywords:** Alert model, Cloud Computing, Cloud Monitoring, Energy Aware Model, Virtual Machine.

#### ABSTRACT

Cloud computing comprises layers of abstraction for availing resources to the customer with high reliability. The customer has to pay for the resource costs they require cost efficient services. Cloud providers use the energy efficient resource method for keeping the resource with minimized cost. Traditionally it faces the problem of monitoring the resource and keeping the high available resources. This is handled by using a metric gateway which is used to collect the performance analysis with the respective threshold. The proposed model uses a twofold approach 1) generating alert with threshold and 2) visualization. Metrics act as middleware for identifying the metric values in the cloud. The main objective of the proposed model is to monitor the cloud resource usage and the alert mechanism for making the cloud service in a reliable and highly available manner. This model achieves 90% of reliability because of using various metrics in dynamic power management.

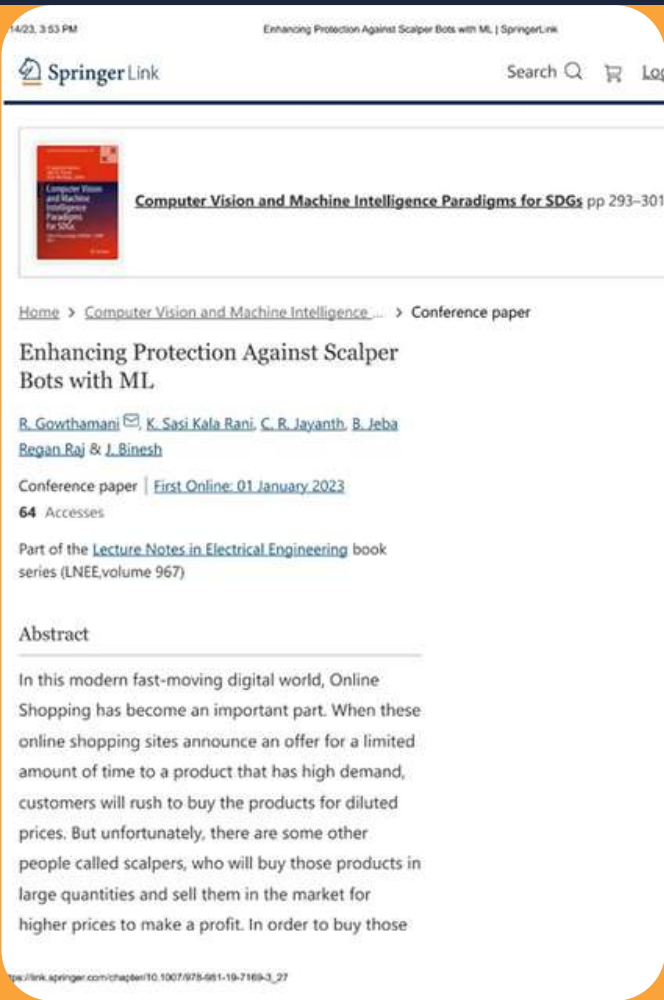
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#### REFERENCES

Abdullahi A.S. Zainelabden, Abdallah Ibrahim, Muhammad Umer Wasim, Sebastien Varrette, "PRESENCE Performance Metrics Models for Cloud SaaS Web Services", International Conference on Cloud Computing (ICLOUD), 2018, IEEE, pp. 936-940.

<https://ijisae.org/index.php/IJISAE/article/view/2369>



# RESEARCH & DEVELOPMENT

## BOOK CHAPTER PUBLICATION

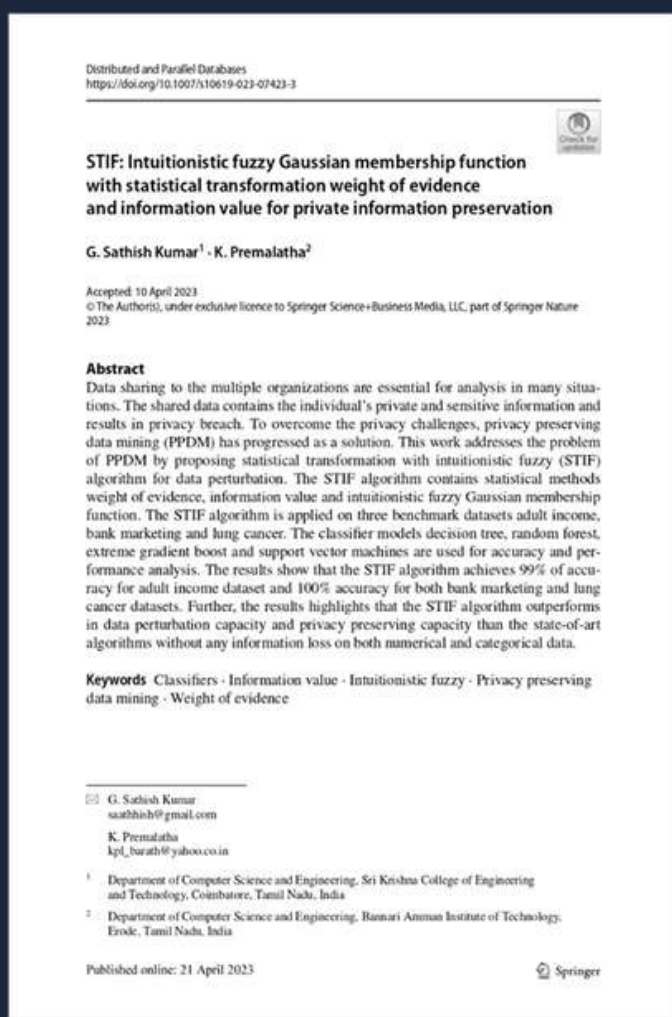
Dr. K. Sasi Kala Rani Professor and Head, Ms. R. Gowthamani, Assistant Professor, Department of CSE have published a Book Chapter titled "Enhancing Protection Against Scalper Bots with ML", in Computer Vision and Machine Intelligence Paradigms for SDGs with DOI: 10.1007/978-981-19-7169-3\_27, its Scopus Index.



# RESEARCH & DEVELOPMENT

## RESEARCH ARTICLE PUBLICATION

Dr. G. Sathish Kumar, Assistant Professor, Department of CSE has published a research article titled "STIF: Intuitionistic fuzzy Gaussian membership function with statistical transformation weight of evidence and information value for private information preservation", in Distributed Parallel Databases (2023), an International Journal of Data Science, Engineering, and Management Springer with DOI: [10.1007/s10619-023-07423-3](https://doi.org/10.1007/s10619-023-07423-3), Anna University Annexure 1 journal list and its SCI indexed.



Root disease classification with hybrid optimization models in IoT

Daniel Francis Selvaraj Jayapalan<sup>a,\*</sup>, John Patrick Ananth<sup>b</sup>

<sup>a</sup> Assistant Professor, Department of Computer Science and Engineering, Sri Krishna College of Engineering and Technology, N324-107, RR Palur, Sripattanam East, Eranthipet, Tamil Nadu 641008, India

<sup>b</sup> Professor, Department of CSE, Sri Krishna College of Engineering and Technology, N324-107, RR Palur, Sripattanam East, Eranthipet, Tamil Nadu 641008, India

ARTICLE INFO

ABSTRACT

Keywords:  
Internet of Things  
SqueezeNet  
Genetic optimization algorithm  
1D Convolutional Neural Network  
IoT  
Machine Learning

The environment sensing and image processing are integrated with the Internet of Things (IoT), which is considered a smart platform for monitoring plant health. The main limitation of the existing approaches is the inability to accurately classify root diseases. This paper presents a novel model for categorizing the root infection in the IoT network. The goal of the proposed model is to enhance crop productivity by controlling the plantation platform at least cost. Here, the fitness criteria were optimization with SqueezeNet (R200 based SqueezeNet) is employed for categorizing the root disease. The separator training is done using R200, which is focused by integrating the fitness optimization algorithm (FOA) and shikara means optimization (SMO). This model seems to make the hidden knowledge from images and attain high accuracy, while classifying the disease present in the roots. Here, IoT is incorporated wherein the IoT nodes help to accumulate the information of roots and send this information to the base station (BS), wherein the classification of root disease is achieved. The R200 based SqueezeNet outperformed with the highest energy of 0.176 J, packet delivery ratio (PDR) of 0.950, minimum distance of 12.476 m, highest accuracy of 91.29, sensitivity of 93.15 and specificity of 90.99.

1. Introduction

IoT was firstly modelled by Kevin Ashton in 1990 (Mishkhan, Lake, Lake, & Lake, 2010). It represents a network, which is connected to several objects along with the internet and provides an interactive smart objects (Sankar & Srinivasan, 2016). The devices of IoT pose less power, less processing and less memory capacity (Vardoli, Ghosh, Thirumani, Al-Dulal, & Babusankar, 2020). IoT represented a novel online upgrade. The IoT aims to facilitate the objects and can exchange data and adapt decisions by itself. Utilizing network protocols like IPv6, the Internet of Things (IoT) network connects various devices. It consists of a sensing area, a network component, and data storage (Srinivasan et al., 2021; Zhang, 2020). The network has played an imperative part in IoT while sending the data of sensor considering members. Here, one can attain two things, namely service quality and energy efficiency (Bhatnagar, Gupta, Jahan, & Mani-Broin, 2019; Anandkumar, 2020; Yerru, Almasri, Rashid, Shrivastava, Kadiravasa, & Chaturvedi, 2022). The IoT represent the accumulation of techniques, which comprises several hardware and software units (Almasri, Almasri, Shukkar, & Gupta, 2020; Almasri, 2021). It offers several emerging solutions, and is developed on the basis of ICT for establishing communication smart things. The IoT

enabled the technologies, like Zigbee, RFID, Wi-Fi, and RF, and so on (Dahbi, Nassim, Zikri, Vasilakos, & Kim, 2020). The RF establishes DODAG for transmitting data amidst nodes. The routers transmit data amidst DODAG root through the intermediary node (Kavari et al., 2014, 2017; Kumar, Uddandi, & Kavari, 2022). The RF routers hold up the arbitrary and grid topologies, and it effectively handles downward and upward data traffic in the network (Liu, 2019; Sankar, Srinivasan, Lakshmi, Soman, & Chinnakart, 2020; Shinde & Sauri, 2020; Shinde et al., 2020, 2022).

Agriculture is considered an imperative job in several developing nations across the world. In various nations, the level of economy discovers the production of agriculture. Agriculture is considered to be crucial to the development of a country's economy. In these days, the population of the world is radically expanding. Hence, classical agricultural technologies do not handle yield up to population needs. Smarter agriculture is a current inclination in this period that employs smarter technologies to maximize the productivity of farmland (Dorica et al., 2020; Sankar et al., 2020). The discovery of the disease in plants' roots, by considering the images is a major issue (Sankar, 2016; Yerru, Almasri, Vella, French, & Peddinti, 2019). Today, contemporary technology, the capturing of images is done with High Definition (HD) cameras. The automated techniques for the classification of root disease

\* Corresponding author.

E-mail addresses: danieljayapalan@gmail.com (D. Francis Selvaraj Jayapalan), john.ananth@gmail.com (J.P. Ananth).

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# RESEARCH & DEVELOPMENT

## RESEARCH ARTICLE PUBLICATION

Dr. S. Oswalt Manoj, Assistant Professor/CSE, SKCET, has published a research article titled "A Novel Fuzzy based Deep Neural Network for Rainfall Prediction using Cloud Images", in Concurrency and Computation Practice and Experience (2023) Wiley. Volume 35, Issue 01, 10 January 2023. <https://doi.org/10.1002/cpe.7412>

# RESEARCH & DEVELOPMENT

## RESEARCH ARTICLE PUBLICATION

Mr. Daniel Francis Selvaraj, Assistant Professor/CSE and Dr.J.P.Ananth, Controller of Examinations & Dean Academics/SKCET has published a research article titled "Root disease classification with hybrid optimization models in IoT", Expert Systems with Applications, with an Impact Factor 8.665, Vol 226, [doi.org/10.1016/j.eswa.2023.120150](https://doi.org/10.1016/j.eswa.2023.120150)



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### Concurrency and Computation Practice and Experience

#### RESEARCH ARTICLE

## A novel fuzzy based deep neural network for rain fall prediction using cloud images

Oswalt Manoj Stanislaus ✉, Pon Harshavardhanan, Akilia Victor, Sajeev Ram Arumugam

First published: 18 October 2022 | <https://doi.org/10.1002/cpe.7412>

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### Summary

The most challenging aspect of weather forecasting is predicting rainfall. In contrast, timely and precise rainfall forecasting is immensely useful in developing effective security measures for active infrastructure projects, logistics, agricultural activities, air transport operations, and flood scenarios. Artificial intelligence has been established to predict rain precipitation, but very little research has been conducted on images than time-series data to predict rainfall. However, the accuracy of the prediction model utilizing pictures is lower when compared to time series data. Thus a novel fuzzy based deep neural network (NFDNN) model was created to increase rainfall prediction performance. Initially, our research utilized input cloud images, in which the fuzzy wavelet incorporated with neural networks is utilized to identify clouds in the sky. Second, the types of clouds are



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ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. C.UMARANI  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1212  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Date : 03.05.2023

Lr. No: SUPR/AR2

To  
Dr. Rasi D  
Associate Professor  
Department of Computer Science and Engineering  
Sri Krishna College of Engineering and Technology  
Kuniamuthur, Coimbatore-641008.

Sir/Madam,

Sub : Ph.D Programme - Supervisor Recognition - **Approved** - Orders - Issued.  
Ref: Your application for Supervisor Recognition.

\*\*\*\*\*

I am by direction to inform that you are recognized as a Supervisor ( Ref.No: 4140177 ) for guiding Ph.D. scholars of this University under the faculty of **Information and Communication Engineering**.

Area of Specialization: "Image Processing, Data Mining"

The functions and responsibilities of the supervisor are described under clause (7) of the Ph.D regulations of this University and applicable as and when amendments are made to the Regulations from time to time.

*It is to be noted that, "Supervisors working in the recognized R&D Centre of Industries/non-recognized research Departments of Engineering College/Architecture Schools situated within Tamil Nadu shall function only as Joint Supervisor".*

I request you to adhere strictly the Ph.D. regulations (available in <https://cf.annauniv.edu/research/instructions.php>) when you start guiding the scholars.

Further for any correspondence in future quote 4140177 for reference.

DIRECTOR

Copy to:

The Head  
Department of Computer Science and Engineering  
Sri Krishna College of Engineering and Technology  
Kuniamuthur, Coimbatore-641008

sd

# RESEARCH & DEVELOPMENT

## RESEARCH SUPERVISOR RECOGNITION

Dr. S. Oswalt Manoj, Associate Professor, Department of Computer Science and Engineering has been recognized as a Research Supervisor under Anna University, His Area of specialization is "Machine Learning and Deep Learning, Cloud Computing, Big Data Analytics".

# RESEARCH & DEVELOPMENT

## RESEARCH SUPERVISOR RECOGNITION

Dr. D. Rasi, Associate Professor, Department of Computer Science and Engineering has been recognized as a Research Supervisor under Anna University, Her Area of specialization is "Machine Learning and Deep Learning".



CENTRE FOR RESEARCH  
ANNA UNIVERSITY  
CHENNAI - 600 025



Dr. C.UMARANI  
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361  
Fax : +91-44-2220 1212  
Email : dirresearch@annauniv.edu  
dirresearch@gmail.com



Lr. No: SUPR/AR2

Date : 16.03.2023

To  
Dr. Oswalt Manoj S  
Assistant Professor  
Department of Computer Science and Engineering  
Sri Krishna College of Engineering and Technology  
Kuniamuthur, Coimbatore-641008

Sir/Madam,

Sub : Ph.D Programme - Supervisor Recognition - **Approved** - Orders - Issued.  
Ref: Your application for Supervisor Recognition.

\*\*\*\*\*

I am by direction to inform that you are recognized as a Supervisor ( Ref.No: 4140147 ) for guiding Ph.D. scholars of this University under the faculty of **Information and Communication Engineering**.

Area of Specialization: "Machine Learning and Deep Learning, Cloud Computing, Big Data Analytics"

The functions and responsibilities of the supervisor are described under clause (7) of the Ph.D regulations of this University and applicable as and when amendments are made to the Regulations from time to time.

*It is to be noted that, "Supervisors working in the recognized R&D Centre of Industries/non-recognized research Departments of Engineering College/Architecture Schools situated within Tamil Nadu shall function only as Joint Supervisor".*

I request you to adhere strictly the Ph.D. regulations (available in <https://cf.annauniv.edu/research/instructions.php>) when you start guiding the scholars.

Further for any correspondence in future quote 4140147 for reference.

DIRECTOR

Copy to:

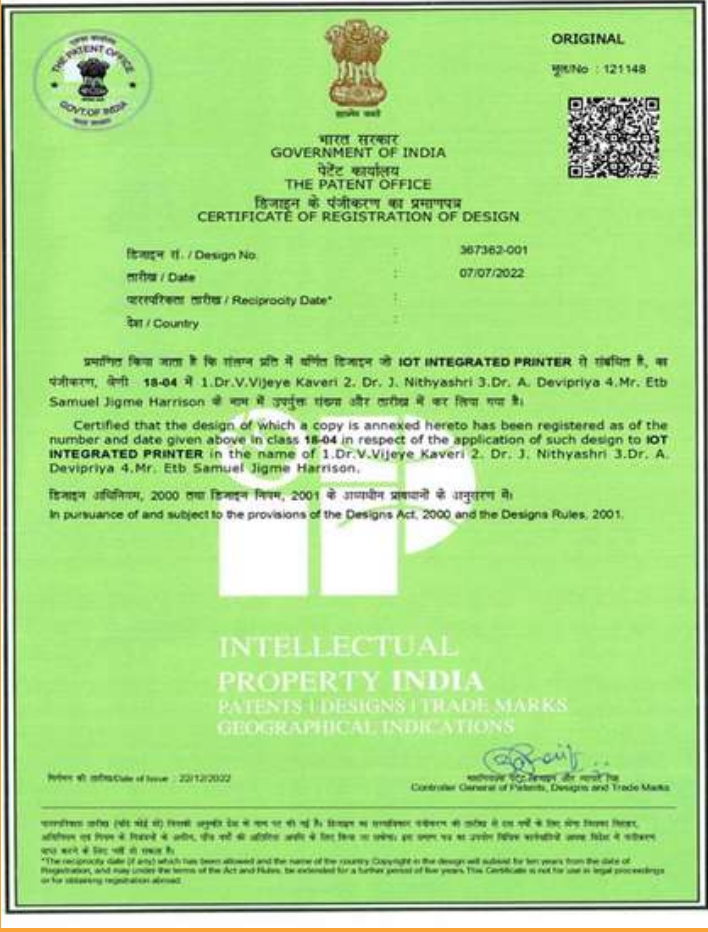
The Head  
Department of Computer Science and Engineering  
Sri Krishna College of Engineering and Technology  
Kuniamuthur, Coimbatore-641008



# RESEARCH & DEVELOPMENT

## DESIGN PATENT GRANT

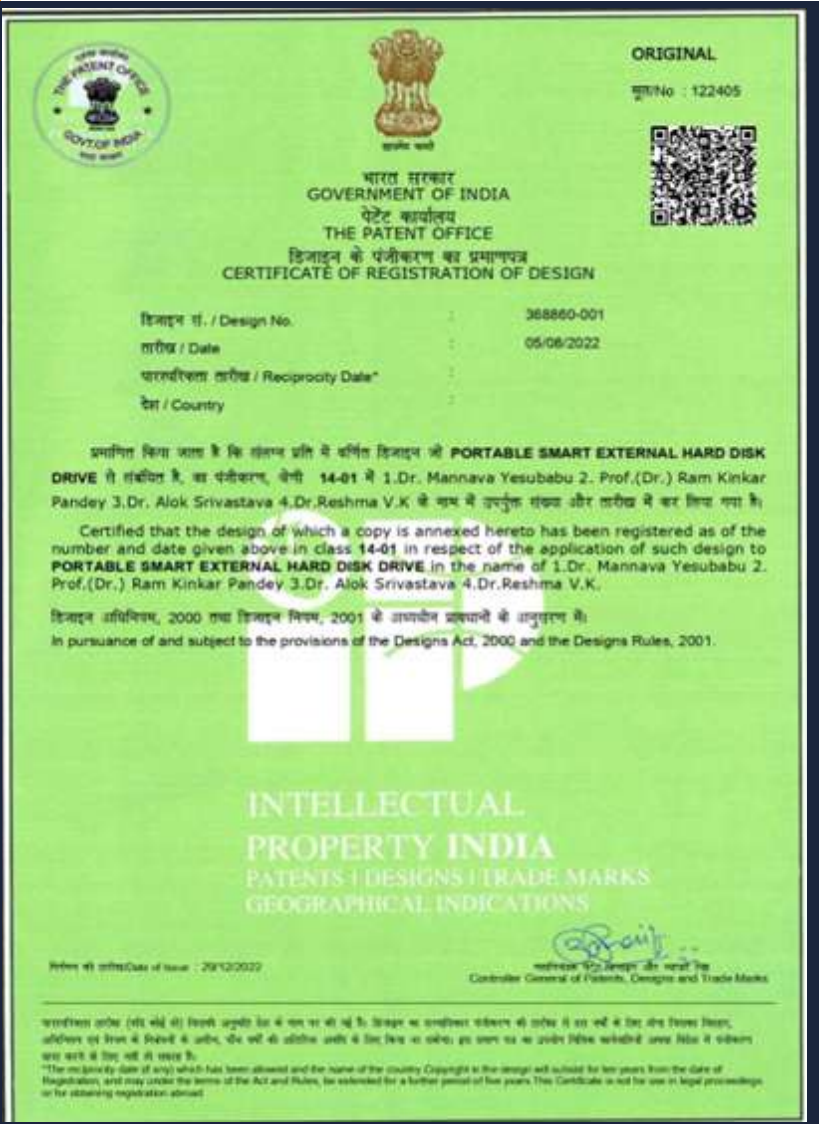
Dr. V. VijeyaKaveri has received the Design Patent Grant with a Certificate of Registration of Design by the Patent Office, Government of India. The patent titled "IOT Integrated Printer", with the design number 367362-001.



# RESEARCH & DEVELOPMENT

## DESIGN PATENT GRANT

Dr. V. K. Reshma, Assistant Professor, has received the Design Patent Grant with a Certificate of Registration of Design by the Patent Office, Government of India. The patent titled "Portable Smart External Hard Disk Drive", with the design number 368860-001.





### Certificate of Registration for a UK Design

Design number: 6268378  
Grant date: 22 March 2023  
Registration date: 15 March 2023

**This is to certify that,**

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr.S. Balakrishnan, Dr.J. Janet, Dr.S.Venkata Lakshmi, Dr.P. Kavitha Rani,

Dr.K.C. Ramya, Dr G. Vijaya, Dr.S. Vinodhkumar, Mr. ETB Samuel Jigme

Harrison

in respect of the application of such design to:

IoT Based Agricultural Drone for Pesticide Spray

International Design Classification:  
Version: 14-2023  
Class: 12 MEANS OF TRANSPORT OR HOISTING  
Subclass: 07 AIRCRAFT AND SPACE VEHICLES

**Adam Williams**  
Comptroller-General of Patents, Designs and Trade Marks  
Intellectual Property Office  
The attention of the Proprietor(s) is drawn to the important notes overleaf.

Intellectual Property Office is an operating name of the Patent Office [www.gov.uk/ip](http://www.gov.uk/ip)

# RESEARCH & DEVELOPMENT

## PATENT GRANT

Dr.J.Janet, Principal SKCET and Dr.G.Vijaya, Professor, CSE has received a UK design patent grant with a Certificate of Registration by the Patent Office. The patent titled “An IOT Based Agriculture Drone for Pesticide Spray “with the design Number 6268378.



# RESEARCH & DEVELOPMENT

## PATENT GRANT

Dr. J. Janet, Principal/SKCET, Dr. P. Mohankumar, Professor/CSE and Dr. G. Vijaya, Professor/CSE has been granted a South African patent in respect of an invention described and claimed in complete specification deposited at the Patent Office under the number 2022/13006. The patent title is “An IOT Based Drainage Pipes Cleaning Robot System“.



# RESEARCH & DEVELOPMENT

## REVIEWER

Dr. M. Rohini, Assistant Professor, Department of CSE has been appreciated as reviewer in 2nd International Conference on Advanced Network Technologies and Intelligent Computing (ANTIC-2022) organized by Department of Computer Science, Institute of Science, Banaras Hindu University, Varanasi, India



# RESEARCH & DEVELOPMENT

## REVIEWER

Dr.K.Ramesh, Professor, Department of CSE has recognized for being the reviewer in International Conference on Recent Trends in Microelectronics, Automation, computing and Communication Systems organized by IEEE Hyderabad,India.



# DEPARTMENT EVENTS

## LIST OF CONTENTS

**Seminar - Process of Innovation Development**

**Seminar - How to Plan a Startup for Legal & Ethical Steps**

**Seminar - Higher Education & Research Opportunities**

**Workshop - Building Quality React Native Applications**

**TNSI 2022 Launch**

**Workshop for Lab Technicians**

**Smarthathon 2023**

**Ideathon**

**Guest Lecture - Real Time Applications of IOT**

**Google Developers Group Annual Event**

**Class Committee Meeting**

**Project Review**

**Academic Review Meeting**

**HOD Addressing the students**

**Board of Studies Meeting**



# SEMINAR

## PROCESS OF INNOVATION DEVELOPMENT

The Department of Computer Science and Engineering in association with IIC organized a Seminar on "Process of Innovation Development, Technology Readiness Level (TRL); Commercialization of Lab Technologies & Tech Transfer" Mr.M.Amarnath Karthic, Director, Embuzz Technologies Pvt. Ltd, Coimbatore addressed the students of CSE about the recent trends & technology in TRL.

Date : 07.02.2023

Time : 9.30 AM to 11.30 AM

Session Takeaways :

- Overview on process of Innovation development
- Importance of Innovation Research idea & types
- Technology Readiness Level (TRL)
- Various Terminology association with TRL
- Challenges to be tackled for idea generation from laboratory to commercialization.



# SEMINAR

## HOW TO PLAN A STARTUP FOR LEGAL & ETHICAL STEPS

The Department of Computer Science and Engineering in association with IIC organized a Seminar on Seminar on "How to Plan a Startup for Legal & Ethical Steps", Mr.R.Suraj, Director & CEO, Haqto Technologies Pvt. Ltd, Coimbatore, addressed the students about the start-ups and Business Plan and types of revenue model to raise funds for start up.

Session Takeaways :

- Overview on Steps to Start a Startup
- Importance of Business Plan & types
- Streamlining Processes for Maximum efficiency
- Fund Raising
- Startup Registration Process.





# SEMINAR -

## HIGHER EDUCATION & RESEARCH OPPORTUNITIES

Department of Computer Science and Engineering in association with IIC Organized a Seminar on “Higher Education & Research Opportunities” on 17.03.2023 at 9:30 AM to 11:30 AM by Mr. Rajesh Balasubramanian, Director, IIM, Chennai was the resource person of the event. Students and faculty members attended the seminar through offline mode.

IIC faculty members from the various departments attended the event. In his speech, he elaborated the importance of Higher Education & Research opportunities and applies to real industry-level use cases. He focused on how to prepare for CAT exams, best online resources. The session was very interactive and useful for students.

# WORKSHOP

## BUILDING QUALITY REACT NATIVE APPLICATIONS

The Department of Computer Science and Engineering organized a Workshop on “Building a Quality React Native applications - An Insight into Technology Infra structure”

Date : 07.02.2023

Resource Persons

Mr. J Vignesh

Senior Quality Engineer,  
Rently Software Development Pvt. Ltd.,  
Coimbatore.

Mr. Bharath Karunanidhi  
Quality Engineering Lead,  
Rently software Development Pvt Ltd.,  
Coimbatore.

Session Takeaways:

1. Uses and Applications of React Native
2. Architecture of React Native
3. Knowledge of Components, state and props in React Native
4. React Hooks
5. Understanding of how to manage data using Redux
6. Demo on creating and running a basic React Native Mobile application.



# TNSI 2022 LAUNCH

Anna University Regional Campus, Coimbatore and SKCET jointly organized TNSI 2022 Launching programme.

Venue: Convention Center

Time: 10.00 am - 12.30 pm.

**Chief Guest:**

Dr.V.Vadivelan,  
Director,  
Igetta Holographic Pvt Ltd.,  
Coimbatore.

**Session Highlights:**

The awareness on TNSI and its importance in global economic standards was highlighted in the Programme.

Dr.K.Kandavel, TN-EDII hub Coordinator, AURCC proposed vote of thanks.

Dr.V.Vadivelan,  
(Scientist & Entrepreneur)  
Director, Igetta Holographic Pvt Ltd.

enlightened the budding Engineers on Innovation by throwing light on some of his own successful innovations like

- Holographic optical elements
- Holographic Weapon sight for Indian army
- Holographic photosensitive materials



# WORKSHOP FOR LAB TECHNICIANS

Department of CSE Organized a workshop for Lab Technicians on 11.02.2023

Resource Person:

Mr Babu, Server Administrator and Trainer,

Ecaps computers pvt Ltd

Key points:

Networking basics,

Subnetting,

Switching basics, IP addressing

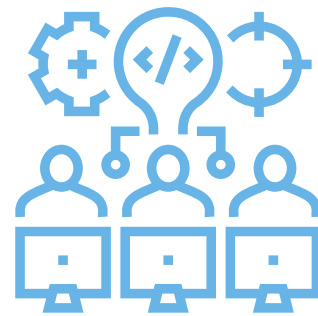
Implementation of IP addressing



# SMARTATHON'23

The Department of Computer Science and Engineering in association with IIC Organized an Innovative Idea contest "SMARTATHON'23" on 2.3.2023 & 3.3.2023 at 10:00 AM to 4:30 PM by Ms.G.Ahalya, Software Engineer, TCS, Coimbatore was the resource person & Jury member of the event. Students from various dept attended the Idea fest through offline mode.

IIC faculty members from the various departments attended the event. In her speech, she elaborated the importance of innovation & development that applies to real time industry-level use cases. The session presentation was very interactive and useful for students.



# IDEATHON

The Department of Computer Science and Engineering in association with IIC Organized an Innovative Idea Contest on "IDEATHON" on 07.01.2023 at 10:00 AM to 4:30 PM. Students from our department attended the Idea fest through offline mode.



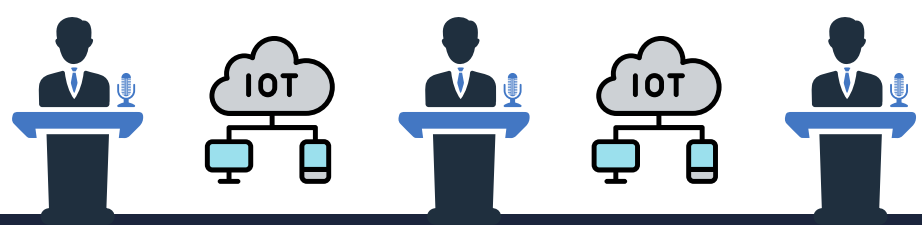


Department of CSE Organized a Guest Lecture titled "Real-Time Applications of IoT: A Design Perspective" on 19.01.2023

Resource Person: Mr. Sabir Khan, Sr. Firmware Developer, Capgemini, Coimbatore.

- Key points:
- IoT Design Perspectives
  - Industrial Automation
  - Supply Chain Management
  - Utilization of Sensors and Actuators
  - Predictive Maintenance
  - IoT Communication Design flow and Technologies
  - Challenges in real world IoT Applications.

# GUEST LECTURE REAL TIME APPLICATIONS OF IOT



## GOOGLE DEVELOPER GROUPS ANNUAL EVENT



SKCET is honoured to be the host of Google Developer Groups annual event in association with Women Techmakers (IWD 23- Women Techmakers) a largest annual event campaign to celebrate women and the allies with the theme "Dare To Be". The event was held on 01.04.2023.



- Invited Speakers
- Yashini Shanmugam, CEO, Ticket 9
  - Srimathi Jagadeesan, chatbot Developer
  - Kiruthika S, ML Engineer Intern, Cloudside
  - Abinaya Mahendiran, AI/ML Consultant

# CLASS COMMITTEE MEETING

The Class Committee Meeting was conducted for the Second years and Third years before the Second CIA. The key points discussed in the class committee meeting are as follows:

- Feedback on the subjects they learn.
- Importance of Placements and placement training.
- Hackathon and other competition participation.



# PROJECT REVIEW

Final year Project Review was conducted for the Department of Computer Science and Engineering students on March 27, 2023. The panel members reviewed the progress of the student projects and provide their valuable comments and recommendations where given for developing their ideas.



# ACADEMIC REVIEW MEETING

The Academic Review meeting is being conducted for II and III year CSE students to facilitate an interaction between the faculty and the parents and to assess the performance of their wards. The parents enthusiastically participated and interacted with the tutors and class handling faculty members to know their ward's performance and also provided valuable feedbacks for further improvement which would aid in enhancing the learning experience of the students. Student achievers were appreciated and merit certificates were awarded by our beloved Principal Madam Dr.J.Janet. It served as an encouragement for the students to achieve more and more.

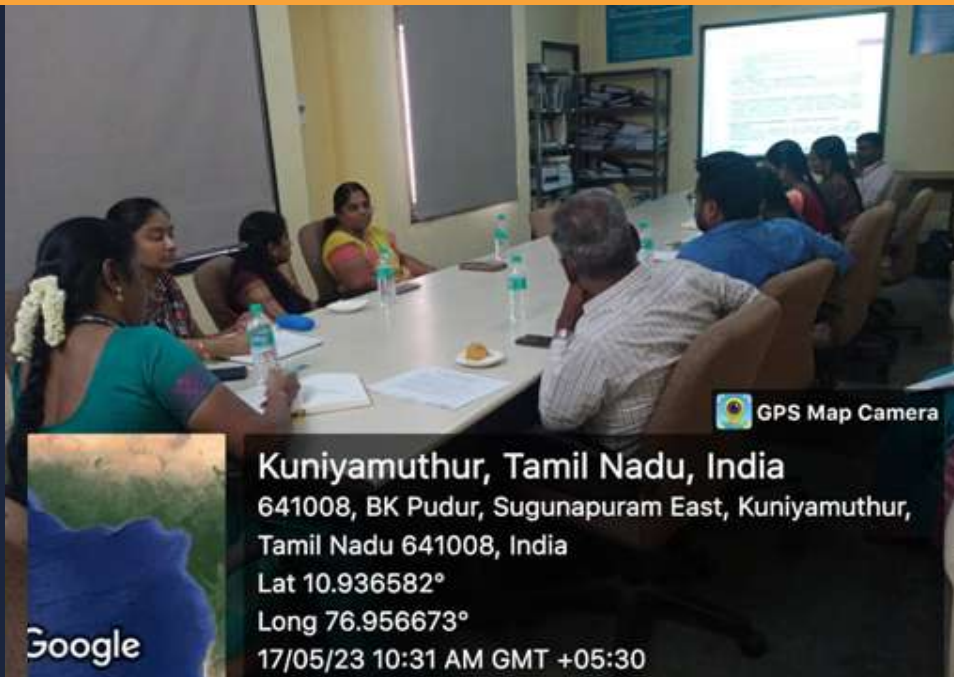
## HEAD OF THE DEPARTMENT ADDRESSING THE STUDENTS

Dr. K. Sasi Kala Rani, HOD/CSE addressed the third year students on the last day of their exam. The key points discussed in the meeting are as follows:

- 100% attendance in placement drives and placement training classes.
- All Placement assessments are mandatory.
- Late coming to training or placements will not be accepted.
- Any technical and moral support regarding placements can be given by department.
- Proper dress code and ID card is mandatory.
- Students who don't have PAN card has to apply for it.
- Students should not involve in any malpractice during placement drive.
- More certifications can be completed.



# BOARD OF STUDIES MEETING



The Department of Computer Science and Engineering has conducted the Board of Studies meeting on 17/05/2023 in CSE Conference Hall to discuss the syllabus Revision of Regulation 2020 for B.E CSE, Regulation 2022 for B.E CSE, B.E Computer Science and Design, B.E CSE (Cyber Security) and Professional elective courses. The meeting was convened by Dr. K. Sasi Kala Rani, Professor and Head, CSE along with the BoS members Dr. J. Raja Sekar, University Nominee, Professor, CSE, Mepco Schlenk Engineering College, Sivakasi, Dr. R. S. Lovelyn Rose, Associate Professor, CSE, PSG College of Technology, Coimbatore, Dr. G. Suganya, Associate Professor, CSE, Vellore Institute of Technology, Chennai, Mr. M. Mohan Kumar, Software Engineer, Freshworks, Chennai. The BoS members approved the curriculum and syllabi with few suggestions. The faculty members of CSE department were also present during the meeting.

# FACULTY AWARDS & CERTIFICATION

## LIST OF CONTENTS

**Best Women Faculty Award**

**Faculty Certification**

**Resource Person**

**IP Awareness Training Program**

**NPTEL Mentor**

**Young Achiever Award**

**NPTEL Mentor**



# BEST WOMEN FACULTY AWARD

Ms.V.R. Azhaguramyaa, Assistant Professor, Department of CSE have received **BEST WOMEN FACULTY AWARD** from the Noval research Academy for her academic contribution in Science and Technology under the Computer Science and Engineering for the AY-2022-2023.



# FACULTY RECOGNITION

## YOUNG ACHIEVER AWARD

Mr.M.Vengateshwaran, Assistant Professor, Department of CSE have received Young Achiever Award by Dr.M.Jayaprakasan, CEO- Naan Mudhalvan, Government of Tamilnadu.



# FACULTY RECOGNITION

## RESOURCE PERSON

Dr.M.Rohini Assistant Professor, Department of Computer Science and Engineering has been a Resource Person for the Seminar titled "Serverless Computing-Tools and Applications" Organized by Department of CSE, Sri Ramakrishna Engineering College, Coimbatore held on 17.03.23.



# FACULTY RECOGNITION

## RESOURCE PERSON

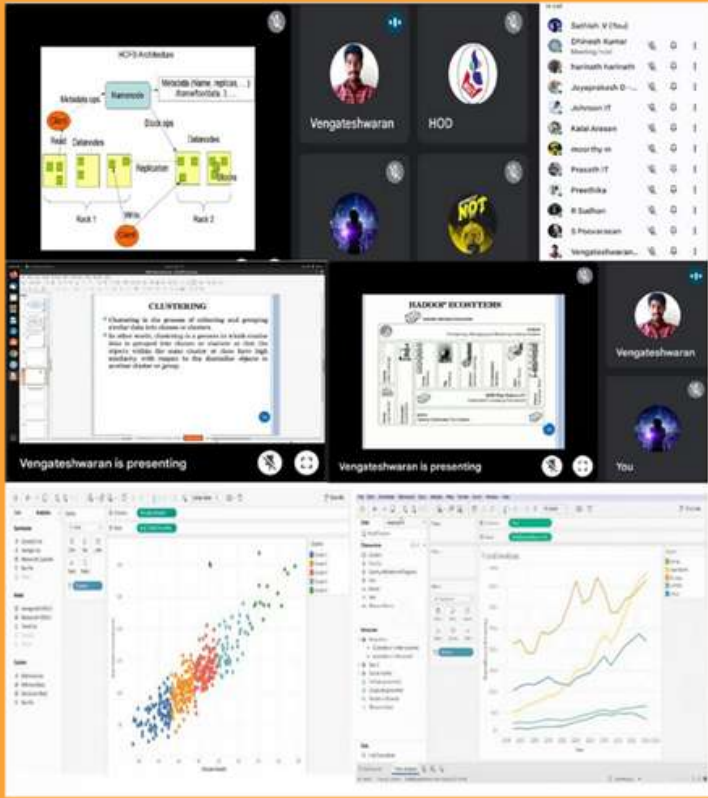
Dr. S. Oswalt Manoj conducted the Faculty Development Program for the course on Information Security, designed by Tata Consultancy Services on January 27, 2023.



# FACULTY RECOGNITION

## RESOURCE PERSON

Mr.M.Vengateshwaran, Assistant Professor, Department of Computer Science and Engineering has been a Resource Person for the Seminar titled "Research Approaches for Exploring data in Data Analysis and Visualization " Organized by Department of CSE, Narasu's Sarathy Institute of Technology held on 13.05.2023.



# FACULTY RECOGNITION

## RESOURCE PERSON

Dr. S. Oswalt Manoj, Assistant Professor, Department of Computer Science and Engineering has acted as the Invited Speaker for the First International Conference on Humanities and Smart Societies (HMSS 23) organized by Vectmag in association with Routledge, and CRS Press, Taylor & Francis Group held on May 27 and 28, 2023.

Title: Teacher Professionalism, Motivation, Well-being in Smart Societies and Future Skills and Competencies for Smart Cities.



First International Conference on Humanities for Smart Societies 2023 (HMSS 23)  
Online | 27nd and 28th May 2023 | Worldwide

Invited Talk Certificate  
Dr. S. Oswalt Manoj  
Teacher Professionalism, Motivation, Well-being in Smart Societies and Future Skills and Competencies for Smart Societies

SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY  
Chairs and Organizing committee

Worakamol Wisetsri, PhD  
King Mongkut's University of Technology North Bangkok Thailand

Pratima Rai, PhD  
Adani University, India

Rita Roy, PhD  
GITAM University, India

Shashi Kant Gupta, PhD  
CEO, CREP PVT LTD INDIA

May 27 & 28, 2023

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# FACULTY CERTIFICATION

## FACULTY DEVELOPMENT

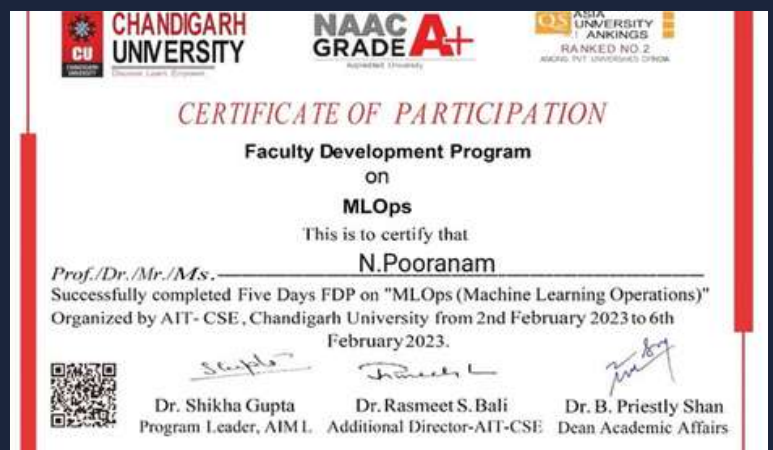
Ms. N.Pooranam, Assistant Professor, and Ms.G.Renuga Devi, Assistant Professor, Department of CSE have participated in FDP on “Hands – on – Training on Data Science Tools in association with ISTE held on January 2023.



# FACULTY CERTIFICATION

## FACULTY DEVELOPMENT

Dr. K.Ramesh Professor and Ms.N.Pooranam Assistant Professor, Department of CSE have participated in five days FDP on “MLOps (Machine Learning Operations)” organized by AIT - CSE, Chandigarh University during 2nd February 2023 to 6th February 2023.



Certificate No  
MGRCEERT0017



**Dr.M.G.R.**  
**Educational and Research Institute**  
(DEEMED TO BE UNIVERSITY)  
University with Graded Autonomy Status  
(An ISO Certified Institution)  
Maduravoyal, Chennai - 600 095

Department of Computer Science and Engineering  
One Week Virtual Faculty Development Program

"Emerging Research Trends in Computing Technologies"

*Certificate of Participation*

This is to certify that  
M.VENGATESHWARAN

of  
SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

has participated in

One Week Virtual Faculty Development Program on  
EMERGING RESEARCH TRENDS IN COMPUTING TECHNOLOGIES  
organised by Department of Computer Science and Engineering  
from 28<sup>th</sup> Nov to 2<sup>nd</sup> Dec -2022

HOD-CSE  
(Dr. S. Geetha)

Dean Engg/Tech  
(Dr. N. Ethiraj)

Registrar  
(Dr. C. B. Palanivelu)



# FACULTY CERTIFICATION

## FACULTY DEVELOPMENT

M.Vengateshwaran, Assistant Professor, Department of CSE has participated in one week Faculty Development Program on "Emerging Research Trends in computing Technologies" organized by Dr.M.G.R Educational and Research Institute Chennai during November - December 2022.

# FACULTY CERTIFICATION

## FACULTY DEVELOPMENT

Dr.K.Ramesh, Professor, Department of CSE has participated in two days of online FDP on "Recent Advances in Robotics and Automation" Conducted by the Department of Mechatronics Engineering during December 2022, SKCET, Coimbatore.



# FACULTY CERTIFICATION

## FACULTY DEVELOPMENT

Dr.G.Vijaya, Professor and Ms. S. Abirami, Assistant Professor, from CSE Department, participated in the IP Awareness/Training program under National Intellectual Property Awareness Mission held on 12th January 2023.



# FACULTY CERTIFICATION

## FACULTY DEVELOPMENT

Dr.D.Rasi, Associate Professor and Dr. S. Oswalt Manoj, Assistant Professor from CSE Department, participated in the IP Awareness/Training program under National Intellectual Property Awareness Mission held on 12th January 2023.



# FACULTY CERTIFICATION

## NPTEL CERTIFICATION

Dr.N.Kousika, Assistant Professor, Department of CSE has successfully completed the NPTEL course on “Software Testing” with Elite Category.



**Elite**  
**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**KOUSIKA N**  
for successfully completing the course

**Software Testing**  
with a consolidated score of **72** %

Online Assignments	18.58/25	Proctored Exam	53.51/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1218**

Jan-Feb 2023  
(4 week course)

Prof. Debjani Chakraborty  
Coordinator, NPTEL,  
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL23CS38514370084 To validate the certificate No. of credits recommended: 1 or 2

# FACULTY CERTIFICATION

## FACULTY DEVELOPMENT

Dr.V.K. Reshma, Assistant Professor, Ms. N. Pooranam, Assistant Professor, from CSE Department, participated in the IP Awareness/Training program under National Intellectual Property Awareness Mission held on 12th January 2023.



Ministry of Education MoE's INNOVATION CELL GOVERNMENT OF INDIA NIPAM Ministry of Commerce and Industry

**CERTIFICATE**

This is to certify that, **DR. RESHMA V.K OF SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY** has successfully participated in IP Awareness/Training program under **NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION** on **January 12, 2023** **Azadi Ka Amrit Mahotsav** Jointly Organized by **Intellectual Property Office and MoE's Innovation Cell, India**

(Dr. Abhoy Jena) (Prof. (Dr) Unnat P. Pandit)  
DIRECTOR, INTELLECTUAL PROPERTY OFFICE, GOVERNMENT OF INDIA CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

Ministry of Education MoE's INNOVATION CELL GOVERNMENT OF INDIA NIPAM Ministry of Commerce and Industry

**CERTIFICATE**

This is to certify that, **MS. POORANAM N OF SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY** has successfully participated in IP Awareness/Training program under **NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION** on **January 12, 2023** **Azadi Ka Amrit Mahotsav** Jointly Organized by **Intellectual Property Office and MoE's Innovation Cell, India**

(Dr. Abhoy Jena) (Prof. (Dr) Unnat P. Pandit)  
DIRECTOR, INTELLECTUAL PROPERTY OFFICE, GOVERNMENT OF INDIA CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS



# NPTEL MENTOR

Ms. VR Azhaguramya, Assistant Professor/CSE, SKCET is recognized as the Top Performing Mentor for the course "Python for Data Science".



Dr. D. Rasi, Associate Professor/CSE, SKCET is recognized as the mentor for the course "Programming in Java".



# NPTEL MENTOR

Ms. VK Reshma, Assistant Professor/CSE, SKCET is recognized as the Mentor for the course "Database Management Systems" and "Programming in Java".



# FACULTY CERTIFICATION

## FACULTY DEVELOPMENT

Mr. Vengateshwaran, Assistant Professor, Department of CSE has participated in FDP on "Data Science" organized by Department of AIDS and Computer Engineering, Dr. D. Y. Patil Institute of Engineering and Management Research, Akurdi, during February 06-10, 2023.



# FACULTY CERTIFICATION

## FACULTY DEVELOPMENT

Dr. N. Kousika, Assistant Professor/CSE and Ms. Renugadevi G has successfully completed the Infosys Spring Board certification on HTML 5 - The Language.





**“GREAT IDEAS HAVE THE POWER TO SHIFT PERCEPTION TO CREATE VALUE  
WHERE IT DIDN'T EXIST BEFORE.”  
— ALAN PHILIPS, THE AGE OF IDEAS: UNLOCK YOUR CREATIVE POTENTIAL**

**"THERE IS NOTHING IMPOSSIBLE TO THEM WHO WILL TRY."  
— ALEXANDER THE GREAT**

