



VIT®

Vellore Institute of Technology  
(Deemed to be University under section 3 of UGC Act, 1956)

# School of Computer Science Engineering & Information Systems

## THE OFFICIAL TECHNO NEWSLETTER OF SCORE

OCTOBER - DECEMBER 2023





# WHAT'S INSIDE

## **PAGE 2**

**FROM DEAN'S DESK**

---

## **PAGE 3**

**SET CONFERENCE**

---

## **PAGE 4**

**THON ACTIVITIES**

---

## **PAGE 5**

**POSTER PRESENTATIONS**

---

## **PAGE 6**

**STUDENT ACHIEVEMENTS**

---

## **PAGE 7**

**OUTREACH PROGRAMS**

---

## **PAGE 8**

**FACULTY ACHIEVEMENTS**

---

## **PAGE 9**

**ACM WINTER SCHOOL**

---

## **PAGE 10**

**SEMINARS**

---

## **PAGE 11**

**EVENTS**

---

## **PAGE 12**

**RESEARCH SCHOLAR &  
FACULTY AWARDS**

---

## **PAGE 13**

**FACULTY PUBLICATIONS**

---

## **PAGE 14 & PAGE 15**

**DID YOU KNOW? & TECH NEWS**



## FROM THE DEAN'S DESK



*Dear Readers,*

*It is indeed a matter of immense pleasure to launch the last edition of the official techno e-newsletter for the School of Computer Science Engineering and Information Systems (SCORE) for the year 2023.*

*The 24th Science, Engineering & Technology (SET) Conference was organized by SCORE on 23rd and 24th November 2023. The primary focus of the conference was to encourage students towards core and multi-disciplinary research avenues and steer them towards cutting-edge research paths.*

*The ACM Winter School was conducted on “Cryptography and Cybersecurity” was conducted in Nov-Dec 2023, which offered in-depth knowledge and exposure to the self-motivated students at our school.*

*This edition also features several THON initiatives that have fostered creativity, analytical thinking, and problem-solving skills among our young budding engineers.*

*The incredible achievements of our students and dedicated faculty members are also highlighted which depict their continued perseverance and impetus to excel. Best wishes are extended to all our students, research scholars, and faculty members who reiterate their aims at providing the best in academic and extra-curricular fields.*

*We have also initiated two new sections – “Did you know” and “TECH NEWS” to make our readers aware of the latest technology movements and manifestations.*

*I would like to thank all the members of our SCORE family for their continued support and dedication. We hope that this newsletter will act as a platform to INSPIRE, EDUCATE & INFORM.*

*We sincerely hope that this issue will be an interesting read for all of you.*

*Happy Reading!!!*

*Dr. Sumathy S*



# SET CONFERENCE 2023



24<sup>th</sup> Science, Engineering & Technology (SET) Conference  
23<sup>rd</sup> & 24<sup>th</sup> November, 2023



- Chief Guest - Dr.Ashutosh Kumar Singh, Director IIIT, Bhopal
- Guest of Honour - Dr.Akansha Kumar , Chief Data Scientist, Jio Platforms Limited, Hyderabad
- Venue - Dr.M.Channa Reddy Auditorium, VIT University , Vellore



# THON ACTIVITIES



## 2-DAYS CODE-A-THON



CODE-A-THON was on Nov 3<sup>rd</sup> & Nov 4<sup>th</sup> 2023. Organized in association with Gapcrud Private Limited, Platform: CapsuleLabs Shots. Totally 15 Teams and overall 87 participants actively participated. Prof. Jothish Kumar M, Prof. Rampriya R S, Prof. L Jerart Julus

## JAVA-THON - TECH DRIVEN SOLUTIONS



JAVA-THON - Tech Driven Solutions focused on "Industrial Application Development using Java", Nov 24<sup>th</sup> & Nov 25<sup>th</sup> 2023, Platform used : Java, Totally 30 Teams and overall 126 participants actively participated. Organized by: Dr. Mareeswari V & Dr. Vijayan R

## INDUSTRIAL APPLICATION DEVELOPMENT USING JAVA



Industrial Application Development Using Java was organized on Nov 24 & Nov 25 2023 by Dr. Thilagavathy M & Dr. Deepa M

## ENTERPRISE APPLICATION DEV - HACKATHON

Enterprise Application Development Hack-A-Thon was organized on Nov 25<sup>th</sup> 2023  
Organized by: Dr. Vijayarani A





# POSTER PRESENTATION



## POSTER PRESENTATION for LEAN STARTUP MANAGEMENT

Where: SJT-G07  
When: October 31, 2023  
From: 10.00AM



### Organized by

Dr. Ranichandra C & Dr. Selva Rani B,  
Department of Information Technology,  
School of Computer Science Engineering  
and Information Systems,  
Vellore Institute of Technology,  
Vellore-632 014.

### Evaluators

Dr. Senthilkumar N C,  
Department of Software and Systems  
Engineering,  
SCORE.

Dr. Senthil Kumar N,  
Department of Computer Applications,  
SCORE.





# STUDENT ACHIEVEMENTS



- Mr. Chaitanya Goenka (21BIT0071) as part of the Team Albatross participated in SAE Aero Design East 2023 organized by the Society of Automotive Engineering in Orlando, Florida, USA and secured the 13th rank overall and 1st in Asia-Pacific. Cash award of 4 Lakhs was recieved

**DATE: 03.10.2023 TO 03.12.2023**

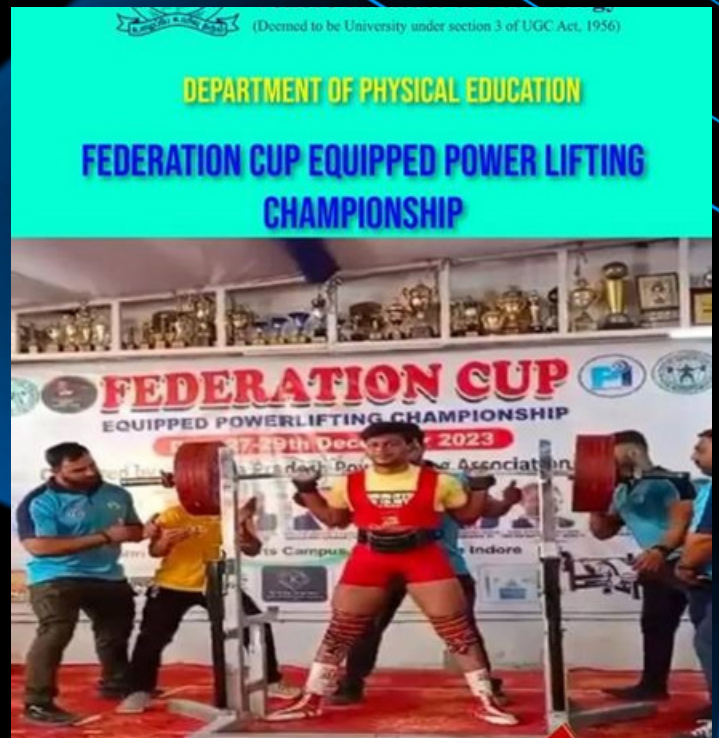
**VENUE: FLORIDA, USA**



- Mr. Jayamaruthi M (21 BCS0106) has represented Tamil Nadu and won the Gold Medal in the Federation Cup Equipped Powerlifting Championship 2023.
- He has been selected to represent India in the Asian Powerlifting Championship to be held at Hong Kong from May 13 to 18, 2024.

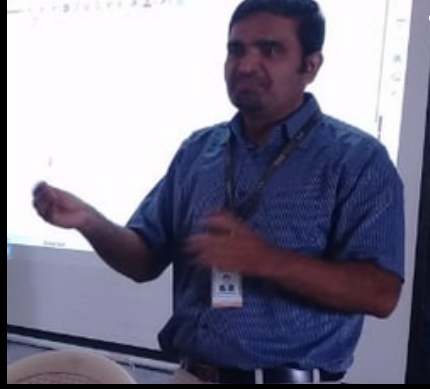
**Date : 27.12.2023 to 29.12.2023**

**Venue: Indore. MathyaPradesh**





# OUTREACH PROGRAMS



- Dr SUMANGALAI K and Dr PRASANNA S Conducted an outreach program on the topic “Computer Literacy for Rural School Students” to the Class -IX students. Students actively participated.

**DATE: 11.10.2023**

**Venue: Government High School, Chittoor road, Sembedu VILLAGE, Gudiyattam Taluk, Vellore**

- Dr Shanthi K, Conducted an outreach program on the topic “ Microsoft word for the beginners” to the Class -IX students. Students actively participated

**DATE : 14.11.2023**

**Venue: Government Boys Higher Secondary School, Vellore**



- Dr Anitha A, Associate Professor Senior, Conducted an outreach program on the topic “ Working with Power Point Presentations” to the Class- IX students. Students actively participated

**Date : 14.11.2023**

**Venue: Government Boys Higher Secondary School, Vellore**

- Dr UMA Conducted an outreach program on the topic “ Informative Speech about higher Education”. Students actively participated



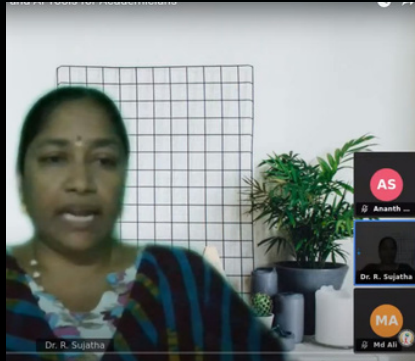
- Dr.M.Jothish Kumar, Assistant Professor Senior Grade 2, Conducted an one day Innovation and Entrepreneurship School Outreach program on the topic “ Workshop on UAV Technology” .

**Date: 27.12.2023**

**Venue:Government Higher Secondary School, Vanapuram Village, T.V.Malai(Dt.)**



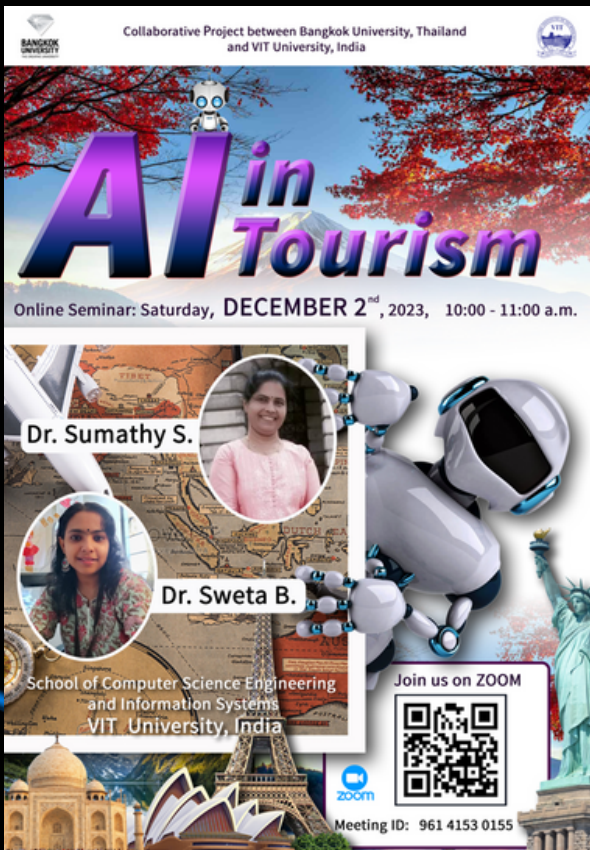
# FACULTY ACHIEVEMENTS



- Dr R Sujatha Contributed as a Speaker in a 5 days online FDP on ChatGPT and AI Tools for Academicians", ASET College of Science and Technology.  
**Date : 29.11.2023**

- Dr R Sujatha was a Session Chair for ICSES 2023, St. Joseph's Institute of Technology, Chennai  
**Date : 4.12.2023 & 5.12.2023**

- Dr. Navaneethan C, Contributed as Session Chair in the International Conference on Emerging Research in Computational Science I - 2023 (ICERCS -23) organized by the Department of Computer Science & Engineering, Karpagam Academy of Higher Education, Coimbatore, India.  
**Date : 09.12.2023**



- Dr. Sweta Bhattacharya & Dr. Sumathy S delivered an Online Seminar as part of a Collaborative Project between Bangkok University, Thailand and VIT, Vellore on AI in Tourism  
**Date : 02.12.2023**



- Dr Jeyanthi N Contributed as Judge and Mentor at the AICTE -Smart India Hackathon Grand Finale 2023, hosted by Sri Venkateswara College of Engineering and Technology (Autonomous), R.V.S. Nagar, Chittoor-517127, Andhra Pradesh.  
**Date : 19.12.2023 - 20.12.2023**



# ACMINDIA WINTER SCHOOL



ACM India-VIT Winter School  
on  
Cryptography  
and  
Cybersecurity

27<sup>th</sup> Nov 2023 - 9<sup>th</sup> Dec 2023

## Expert Talks Scheduled

- Cryptography
- Application Security
- Enterprise Security
- Network Security
- Information Gathering for Penetration Testing
- Dissecting malware traffic
- Deploying Snort
- Security operations, and incidence response using Splunk.



## Resource Persons

- Dr. Aishwarya T, IIT Madras
- Dr. Mukul Joshi, IIT Bombay
- Dr. Arun Raj Kumar, NIT Calicut
- Dr. V. Anilkumar, CSIR-4PI, Bengaluru
- Dr. Ravi Sheth, RRU, Gandhi Nagar
- Dr. Sibi Chakkravarthy, VIT AP, Amaravathi
- Dr. Aswani Kumar Cherukuri, VIT Vellore
- Mr. Paul Amalraj, TCS Chennai
- Ms. Sindhuja Rao, CISCO Bengaluru
- Ms. Pooja Bharadwaj, CISCO Bengaluru



WHEN ONE TEACHES, TWO LEARN - ROBERT HEINLEIN



# SEMINARS



- Dr.R.Sujatha has organized a Joint Seminar Series on “The AI Medical Revolution: How Artificial Intelligence is transforming Health Care  
**DATE: 01.11.2023**



- Dr.Charanya and Dr.Vanitha has organized a seminar on Strategies for Navigating a Dynamic Professional Landscape of a Careers Choice. The session was handled by Mr. Nishant Gupta, Senior Software Engineer -Frontend, Google.  
**DATE: 04.10.2023**

**ERUDITE'23**  
AN IEEE INTERNATIONAL WEBINAR SERIES  
**SEASON 8**  
FUTURE TREND OF EAI -  
EXPLAINABLE ARTIFICIAL  
INTELLIGENCE

**Dr. Nallakarupan Kailasanathan**  
Assistant Professor at Vellore Institute  
of Technology, Vellore

11:00 AM to 1:00 PM IST  
23 DECEMBER 2023  
<https://meet.google.com/npi-ewgq-jns>

SCAN ME

- Dr. Nallakarupan MK was a Speaker at ERUDITE 23, Joint Seminar Series, IEEE organized by St. Joseph’s College of Engineering, Chennai, Students Chapter on Future Trends of EAI - Explainable Artificial Intelligence  
**DATE: 23.12.2023**

- Dr. Nallakarupan MK was a Key note Speaker at UPCON 23 - IEEE UP Section Conference , AMITY University, Greater Noida  
**DATE: 2.12.2023**



- Dr. Nallakarupan MK delivered a FDP on Building Intelligent Decision Support Systems and Harnessing the Power of Explainable AI at VIT Vellore



**DATE: 27.11.2023**

# EVENTS



## PROGRAMMES CONDUCTED

EVENT NAME	TITLE	ORGANIZED BY:
STUDENT ENRICHMENT PROGRAMME	EXPLORE MICROSOFT EXCEL	PROF. LAWANYA SHRI M
	MICROSOFT WORD FOR BEGINNERS	PROF. SANTHI K
	WORKING WITH POWER POINT PRESENTATION	PROF. ANITHA
VALUE ADDED COURSE	C - PROGRAMMING	PROF. MAREESWARI & PROF. RATHI PROF. NITHYA S & PROF. CHARANYA R PROF. RAJKUMAR M & PROF. MOHANRAJ G PROF. DEEPA M & PROF. BENJULA ANBU MALAR PROF. BRINDHA K & PROF. SRINIVAS KOPPU PROF. BHUVANA S & PROF. BHARANI DHARAN N PROF. ARUN PANDIAN J & PROF. THANGAMARIAPPAN L
STUDENTS INTERACTION SESSION	MACHINE LEARNING DRIVEN RESOURCE MANAGEMENT AND DATA SECURITY MODELS FOR CLOUD ENVIROMEN	PROF. SRINIVAS KOPPU & PROF. SENTHIL KUMAR N
SEMINAR	SEMINAR ON CAREER GUIDANCE	PROF. VANITHA M & PROF. CHARANYA R
FOREIGN EXPERT SEMINAR	AI & IOT: A HIGH LEVEL PERSPECTIVE	PROF. SUMANGALI M & PROF. E P EPHZIBAH

IT IS THE FRAMEWORK WHICH CHANGES WITH EACH NEW TECHNOLOGY AND NOT JUST THE PICTURE WITHIN THE FRAME. - MARSHALL MCLUHAN



# RAMAN RESEARCH AWARDS



MONTH	RESEARCH SCHOLAR NAME	MONTH	RESEARCH SCHOLAR NAME
OCTOBER 2023	Mr.Madala Guru Brahmam	NOVEMBER 2023	Mr.Stephen Dass A
	Ms.Haritha T		Mr.Sreeraag G
	Ms.Fathima Begum M		Ms.Posham Uppamma
	Mr.Sreehari E		

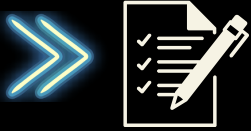
MONTH	RESEARCH SCHOLAR NAME
DECEMBER 2023	Ms.Ganji Tejasree
	Ms.G Deepti Raj

**116**

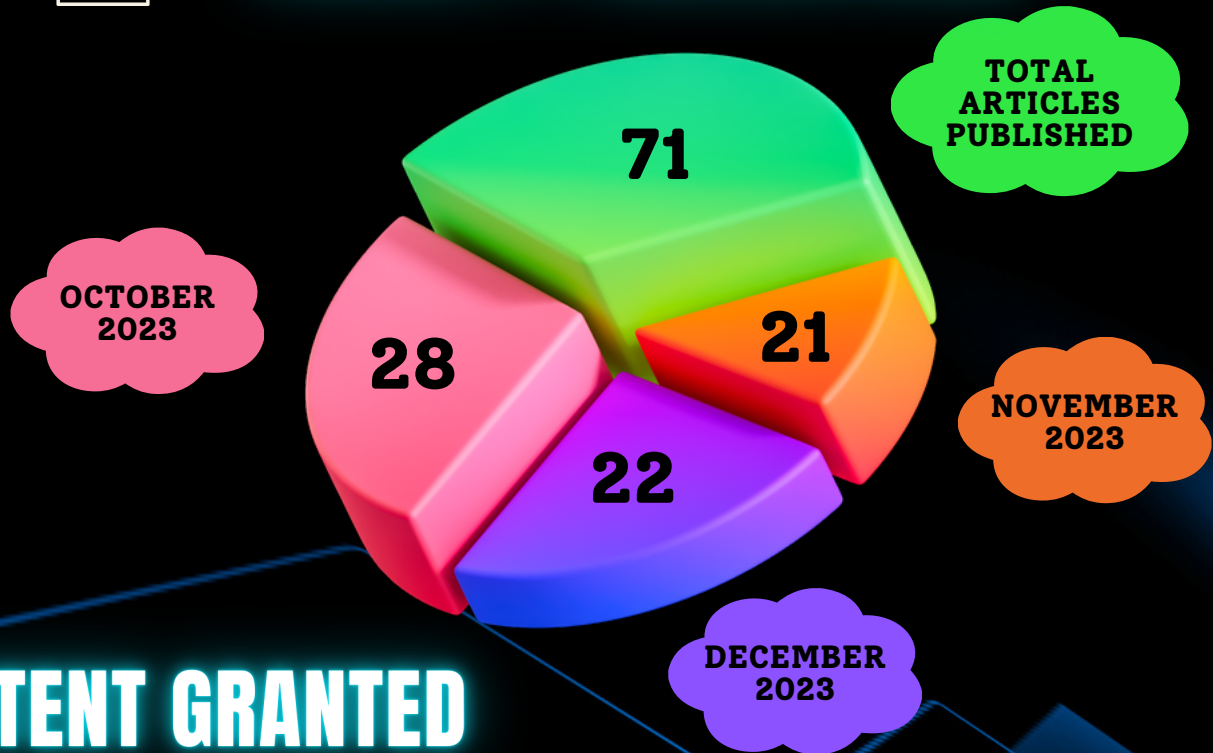
**FACULTY RESEARCH AWARDS**

**16**

**DR. APJ ABDUL KALAM AWARDS**



# FACULTY PUBLICATIONS



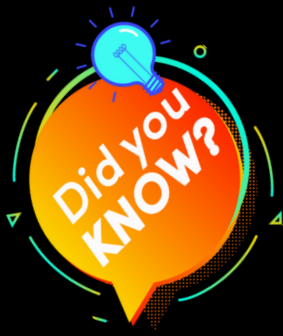
## PATENT GRANTED

- Dr. Rahamathunnisa U and Dr. Akash Mohanty received an Indian Patent Grant Titled: MULTI-PURPOSE NON-TOUCH DEVICE FOR AVOIDING A PHYSICAL CONTACT OF A USER WITH A SURFACE on 09.12.2023

## FACULTY INTERNATIONAL VISIT



- Dr. Vanmathi C presented a paper on International Conference "Innovations in Power and Advanced Computing Technologies", i-PACT 23, University of Malaya, Malaysia. titled "Environment Safe Biodegradable Green RFID for Green Internet of Things", on 9th Dec 2023
- She had a research discussion with faculty members Dr. Kasturi Dewi Varathan and Dr. Riyaz Ahamed, Faculty of Computer Science & Information Technology, University of Malaya, Malaysia. on prospective collaborative research works.



- **When the keyboard was invented, it had buttons in alphabetical order, as a result, the typing speed was too fast that it made the keyboard keys jammed. So, in order to reduce the speed of a typist, the QWERTY keyboard was invented in 1867.**
- **There is a programming language called INTERCAL, which has keywords like IGNORE, PLEASE, and FORGET. If you don't use PLEASE enough times while coding, the Compiler rejects the code.**
- **Windows OS doesn't allow the creation of folders labelled CON, PRN, AUX, or NUL. These are keywords reserved by DOS.**
- **CAPTCHA in full is a "Completely Automated Public Turing test to tell Computers and Humans Apart".**
- **97% of people type words in Google for spell-checking.**
- **The "404" Error: The "404 Not Found" error message, commonly seen on the internet, was named after Room 404 at CERN, where the World Wide Web was created. It was the room where the first web server was housed.**
- **The first webcam was used at Cambridge University in 1993 to monitor a coffee pot and avoid wasted trips to an empty pot.**
- **The term "bug" in computing originated when an actual moth caused a malfunction in a computer in 1947.**
- **The first computer mouse was made of wood. It had two wheels to track movement, hence the name "Mouse".**
- **To access your emoji keyboard, press the Windows Key + . (period) or Windows + ; (semi-colon) on Windows, and Cmd + Control + Spacebar on MacOS.**



# TECH



# 2023



## October 31<sup>st</sup> 2023

*Citrix released a security bulletin for a sensitive information disclosure vulnerability (CVE-2023-4966) impacting NetScaler ADC and NetScaler Gateway appliances.*



## October 31st 2023

*October 31st was a big day for data protection, privacy, and surveillance. First, reports poured in about a massive breach of Aadhar information, with estimates that the data of 815 million Indians had been put up for sale on the 'dark web'. Soon after, many opposition leaders and the civil society members began sharing messages that they had received from Apple, warning that they were potential targets of 'state-sponsored attackers' who were trying to 'remotely compromise' (read: hack) their phones.*



## October 31<sup>st</sup> 2023

*Infosys McCamish Systems, was impacted by a cyber security event, resulting in the non-availability of certain applications and systems – says Infosys*

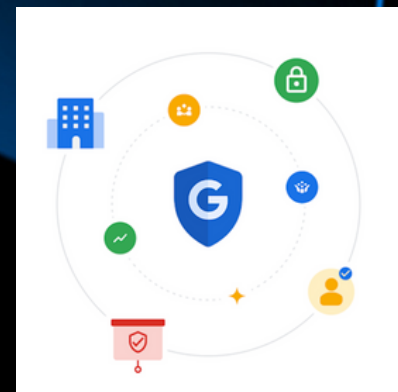


## December 2023

*From ChatGPT to the impact of machine learning on the music and film industry, academia and politics, generative artificial intelligence has dominated technology news in 2023.*

## Cyber security Review

*New AI innovations and applications are reaching consumers and businesses on an almost-daily basis. Building AI securely is a paramount concern, and we believe that Google's Secure AI Framework (SAIF) can help chart a path for creating AI applications that users can trust.*





# ADVISORY TEAM

Dean – Dr. Sumathy S

Associate Dean – Dr. Dhinesh Babu L D

HoD Smart Computing – Dr. Iyapparaja M

HoD Software and Systems Engineering – Dr. Neelu Khare

HoD Information Technology – Dr. Prabhavathy P

HoD Computer Applications – Dr. Vijayan E

# EDITORIAL TEAM



**SWETA BHATTACHARYA**



**SENTHIL KUMART T**



**MOHANAPRIYA P**



**THANGA MARIAPPAN L**



**ARUNKUMAR A**

*If you have knowledge,  
let others light their candles at it.*

~ Margaret Fuller

**Thank  
you!!!**

