



Inauguration of SCAD Pothigai Tamil Mandram



Received the Fund of Rs.1, 50,000 from Tamil Nadu State Council for Science and Technology



Additive Manufacturing Lab

## World Jump Day



The Department of Physical Education conducted a World Jump Day & International Chess Day Activities, (Chess & Jumping on 20.07.2023 from 3.30 pm to 4.00 pm. Around 11 students who were interested have participated with great enthusiasm. The activity was coordinated by Mr. G. Arumuga Nainar and Mr. M. Oscar, The students participated and enjoyed the activities.

### Received the Fund of Rs.1, 50,000



It has been approved by Tamil Nadu State Council for Science and Technology that Our College will be a centre for organizing the program on "Science and Technology Capacity Building for Industrial Needs" for the benefit of final year students in our district with a budget of Rs.1,50,000/- by Tamil Nadu State Council for Science and Technology. Hearty Congratulations to Dr. J. Allwyn Kingsly Gladston, Professor Placement for having received the fund of Rs.1, 50,000 from Tamil Nadu State Council for Science and Technology programme.

### INSTITUTION ACHIEVEMENTS

SCAD College of Engineering and Technology has been Ranked in the Band

**"PROMISING"**



ATIL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS

Out of 14,505 Technical Institutions, SCADCET has been ranked one of the top Institutions in India.



4 Star Status by the Ministry of Education, Govt. of India.

For Innovation and Entrepreneurship



## Inauguration of SCAD Pothigai Tamil Mandram

The inaugural ceremony of SCAD Pothigai Tamil Mandram has held on 11-07-2023. The inauguration started with a welcome note by Mrs. Muthu Malathi, Asst. Professor/Tamil and the Pothigai Mandram was inaugurated by the General Manager (Campus), Mr. R. Thambidurai, with a keynote address. A Tamil Mandram on population awareness was conducted for the students as the startup event on the occasion of Inauguration. The Tamil Mandram was later preceded by Principal Dr. A. Justin Diraviam and Dr. S. Sundararajan. The arrangements for the event were well organized by Mrs. Jeyasri Lakshmi, Asst. Professor/Chemistry.



An investment  
in knowledge  
pays the best  
interest.

- Benjamin Franklin



## Skill Training

### Mandatory Skill Training Department of Civil Engineering BIM Modelling - Structural Design

The Department of Civil Engineering conducted a Mandatory skill training program for the higher semester students of IIIrd year CIVIL Engineering on 20-07-2023. All the registered students attended the skill training on the topic "BIM Modelling - Structural Design". The Students have attended and gained knowledge through this Skill Training. This Skill Training was conducted by Mrs. A. Santhiya, Asst. Professor/Civil.



### Department of Computer Science and Engineering BIM Modelling - Structural Design

A Mandatory skill training on "Client Side Scripting" was conducted for III year students on 20-07-23. Around 74 students have attended training and have learned how to create lists and to insert images in a webpage. This Skill training session was handled by Mr. A. Essaki Muthu, Asst. Professor/CSE, Mrs. Kani Jecintha, Asst. Professor/CSE, Mrs. Jeba Jenitta, Asst. Professor/CSE, Ms. Mahalakshmi, Asst. Professor/CSE.



### Department of Electronics and Communication Engineering Mobile Robotics

The Department of Electronics and Communication Engineering organized a skill training program entitled "Mobile Robotics" exclusively for third-year ECE students. On its second day of the training, the focus was on introducing the participants to the practical aspects of "Control and Playing with Led Using Tinkercad." This hands-on session aimed to provide the

students with practical experience in working with LEDs and Tinkercad, a popular online circuit simulator. This session had an active participation from a total of 28 students, who found it highly beneficial and engaging. The credit for the successful execution of the program goes to Mr. M. Asirvatham and Mr. M. Ashok Kumar. They have skilfully conducted the training sessions, guiding the students through the intricacies of mobile robotics and LED control using Tinkercad. Overall, the "Mobile Robotics" skill training program proved to be a valuable learning experience for the participating third-year ECE students, providing them with essential practical knowledge in the field of electronics and robotics.



### Department of Electrical and Electronics Engineering Programmable Logic Controllers

The Department of Electrical and Electronics Engineering conducted a Mandatory Skill Training Program on "Programmable Logic controllers" from 20.07.2023 to 31.07.2023. Around 15 students from III year Electrical and Electronics Engineering have participated in this Skill Training. The Students have learned about Basics of Boolean functions in POS form and SOP form. Application of ladder logic for Boolean functions using WPLSoft software were implemented. This skill Training was conducted by Dr. J. Bastin Solai Nazaran Professor/EEE.



**It always seems  
impossible until it's done.**  
- Nelson Mandela

## Skill Training

### Department of Mechanical Engineering BIM Modelling - Structural Design

A Mandatory Skill Training Program on “Additive Manufacturing” is being conducted by the Department of Mechanical Engineering from 19.07.2023 to 31.07.2023. A total of 18 students from III year Mechanical Engineering have participated in this Skill Training. The Students have gained knowledge about 2D components in Autodesk fusion 360. The skill Training was conducted by Mr. M. Bharath, Asst. Professor/Mech.



adjustable blinking led and it can be applied in traffic signal and more applications. A total of 16 students have been benefited from this training. This session was conducted by Mrs. D. Yamini, Asst. Professor/ECE.



### Evening Special Initiative Skill Training Department of Civil Engineering

The Department of Civil Engineering conducted an Evening Special Initiative Skill Training entitled "Mapping Using GIS". This Skill training was Offered to the first year Civil Engineering students. Around 6 of our first year students have attended the skill training and have learned about basic ideas about GIS application in the field of Civil engineering and Basic of QGIS software .This session was trained by Mr. M. Ratheesh. Asst. Professor/CIVIL.



### Department of Mechanical Engineering

The Department of Mechanical Engineering conducted an Evening Special Initiative Skill Training “TECNOMATRIX Plant Simulation” on 03-07.2023. Around 8 students from First Year Mechanical department have participated in this Skill Training and got benefited by learning about how to assign workers for station. This session was conducted by Mrs. K. Buvaneshwari, Asst. Professor/Mech. As its outcome of this skill the students have learned about Modelling with worker (Plant simulation).



### Department of Electronics & Communication Engineering

On behalf of the Department of Electronics and Communication Engineering , an evening special initiative skill training on Prototyping Digital Systems was provided to students of first year ECE on 03-07-2023. The students have learned to develop

*Every day is a fresh start,  
wake up with a **thankful** heart.*

## Skill Training

### Skill Training for School Students

On 10th July 2023, an informative session on assembling and dismantling of personal computers was organized at Periyar Govt Higher Secondary School in Cheranmahadevi. The aim of the event was to provide practical knowledge and hands-on experience to the 12th students. This session was facilitated by Ram Prasath, Assistant Professor/CSE.



The Training and skill development cell has conducted a skill Training on "Basic Electronics" for school students on 10.07.2023 from 09.00 a.m. to 3.30 p.m. A total of 30 students from 10th, 11th and 12th grades of SCAD International School, Cheranmahadevi, have participated in this skill training and gained knowledge about basic of electronics and sensor networks. The skill training was coordinated by Dr. Bastin Solai Nazaren, Prof/EEE and Mr.A.Ferminus Raj AP/EEE.



### Skill Training for School Students - Day - 2

The Training and Skill development cell has conducted a skill Training on "Basics of House Plumbing" for school students on 11.07.2023 from 10.00 a.m. to 12.30 p.m at PeriyarGovt Higher Secondary School, Cheranmahadevi. Around 25 students from Class Eleventh have actively participated in Skill Training and gained knowledge about

basic materials and joints in Plumbing works. This skill Training was co-ordinated by Mr. C.R.T. Suria Prakash, Asst. Professor/Civil and Mr. Ponraj, Lab Technician/Mech.



A skill Training on "Basic Electronics" was conducted by The Training and Skill development for school students on 11.07.2023 from 09.00 a.m. to 3.30 p.m. A total of 60 students from 6th, 7th 8th and 9th grades from SCAD International School, Cheranmahadevi, have participated in this Skill Training and gained knowledge about basic of electronics and sensor networks. This skill Training was coordinated by Dr. Bastin Solai Nazaren, Prof/EEE.



### SKILL TRAINING PROVIDED TO SCHOOL STUDENTS

10th Standard students of Municipal Govt. Girls Hr Sec School, Pettai were provided with the following skills by our faculty members.

#### Skills Delivered.

1. MS WORD/OFFICE
2. FOUNDRY
3. Basic Survey Technics
4. Electrical wiring
5. CCTV Installation

#### Staff Involved

1. Ms. Clarinda, MBA
2. Mr. Balasubramanian, MECH
3. Mr. Lakshmi Narayanan, CIVIL
4. Mr. Jebaraj, EEE
5. Mr. RelinFrancise, ECE

## Skill Training



### Techno Club

Students of 11th & 12th Standard of Vellankuli Govt Hr Sec School were provided with the following skills by our faculty members.

#### Skills Delivered.

1. Basic Survey Technics
2. CCTV Installation

#### Staff Involved

1. Mr Ferminus Raj, Asst. Professor/EEE
2. Dr. J. Relin Francis Raj, Associate Professor/ECE



The Training and Skill development cell has conducted a skill Training on "Assembling & Dismantling of PC" and "Basic Surveying Techniques" for school students on 26.07.2023 from 01.00 P.M to 02.30 P.M at TilakVidhayala Higher Secondary School, Kallidaikurichi. A total of 50 students from 11th & 12th Standard have actively participated in Skill Training and have gained knowledge about parts of PC, its functioning, dismantling and Assembling. The skill Training was provided by Dr.R.Karthik Ganesh AP/CSE. The students gained knowledge on Basic Surveying Techniques such as leveling instrument, Area calculation for irregular surface and the skill was co-ordinated by Mr.C.R.TSuria Prakash, AP/Civil, Mrs.B.Sivapriya AP/Civil and Mrs.S.Malliga Lab Tech/Civil.



Students of 11th & 12th Standard of Vellankuli Govt Hr Sec School and TilakVidyalaya Hr. Sec. School were provided with the following skills by our faculty members.

### Communication Skill Program

In an objective to encourage and build confidence in our students, a Communication Skill Program was conducted for 3rd year Computer Science and Engineering students on 26/7/2023. A total of 75 students have participated. This Program was handled by Dr. John Kennedy, Admission Director, SCAD Group.



Students of 11th & 12th Standard of Vellankuli Govt Hr Sec School and TilakVidyalaya Hr. Sec. School were provided with the following skills by our faculty Dr. Relin Francis Raj, Mr. FerminusRaj. CCTV Installation and Basic Electronics skill were delivered.



Students of 11th & 12th Standard of Vellankuli Govt Hr Sec School and Tilak Vidyalaya Hr. Sec. School were provided with the following skills by our faculty Dr. R. Karthik Ganesh, and Mr. S. Lakshmi Narayanan. Laptop Assembling & Dismantling, Basic Survey Technics skill were delivered.



## Entrepreneurship Development Cell

### Department of Electrical & Electronics Engineering

#### Entrepreneurs are Independent Minded Innovative People

The Entrepreneurship Development Cell of EEE in association with Institution's Innovation Council, Ministry of HRD Initiative, and Government of India organized an interactive session on the topic Minded Innovative People. The interactive session was presided by the resource person Mr. N. Mohan, Asst. Professor/MBA who shared knowledge on the concepts of Entrepreneurs are Independent – Minded Innovative People. The topic has been interesting and was enjoyed by the students. The session was end with vote of thanks by Mr. T. Ravi, Asst. Professor/EEE.



### Department of Electrical and Electronics Engineering

#### Entrepreneurs are Independent Minded Innovative People

The Entrepreneurship Development Cell of EEE in association with Institution's Innovation Council, Ministry of HRD Initiative, and Government of India organized a session on 30-06-2023. This interactive session was presided by the resource person Ms. M. Santhiya, Asst. Professor/MBA who shared knowledge on the concepts of Innovation a Key to Scale New Heights. The topic has been interesting and was enjoyed by the students. The session was end with vote of thanks by Mr. T. Ravi, Asst. Professor/EEE.



### Department of Electronics and Communication Engineering

The Entrepreneurship Development Cell of ECE in association with Institution's Innovation Council, Ministry of HRD Initiative, and Government of India organized a Seminar on 04.07.2023. The theme of seminar was “Orientation Session on National Innovation and Start-up Policy”. The purpose of this seminar is to engage the students and faculty in Innovation and start up activities in the campus. The interactive session was presided by the resource person Dr. R. Karthik Ganesh, Professor, Vertical Head - IT Operations SCAD College of Engineering and Technology who presented the National Innovation and Start up Policy in a simple way. He interacted with the students to spread the awareness about the importance of starting their own start-ups during their academic period. A Total of 52 students and 2 faculty members were benefited by the programme. The Session was endwith vote of thanks by M.AshokKumar,AP/ECE. E- Certificates were provided to all the participants.



### Department of Civil Engineering

The Department of Civil Engineering I association with the Entrepreneurship Development cell has organized a seminar on the topic “Enhancing the entrepreneurial Skill set of the budding engineer-son 05-07-2023. The purpose of this seminar was to create awareness among faculty and students of Engineering courses about various facts of entrepreneurship as an alternative career option and also to highlight the merits of pursuing such an option. Moreover, this seminar also aimed to bring together the experts from industries, government agencies working in the field of entrepreneurship and students of Engineering in order to provide a forum for the free and fruitful exchange of ideas and information for becoming an entrepreneur. Mrs. B. Siva Priya, Assis-

## Entrepreneurship Development Cell

-tant Professor Civil has been the resource person of this session. This program was co-ordinated by Mr. M. Ratheesh, SM-EDC/CIVIL. A total of 30 students from various departments have attend the seminar and gained knowledge about enhancing the entrepreneurial skill sets of the young engineers.



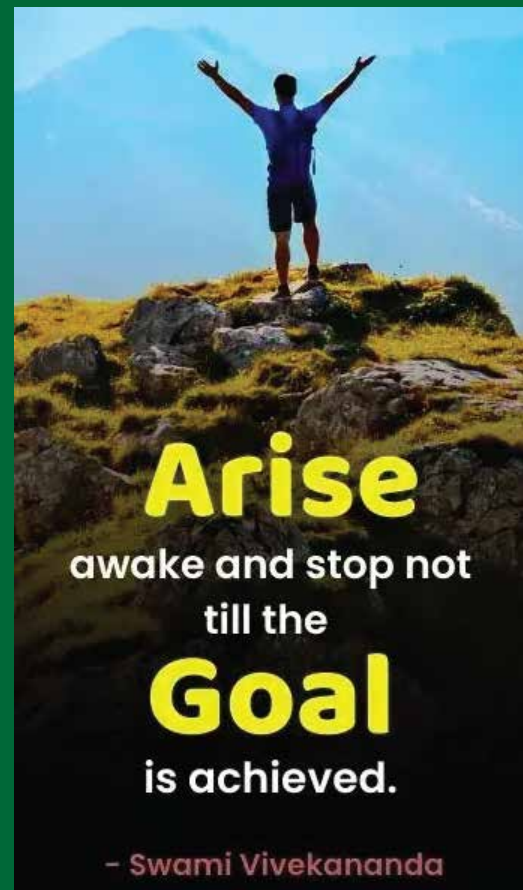
### Department of Electronics and Communication Engineering

The Entrepreneurship Development Cell of ECE in association with Institution's Innovation Council, Ministry of HRD Initiative, and Government of India organized a Seminar on 06.07.2023. The theme of seminar was "Session with innovation and Start-up Ecosystem Enablers". The purpose of this seminar was to create awareness among the students regarding the Innovation ecosystem by transforming new ideas into reality through access and financial investment and how to create that ecosystem. This interactive session was presided by the Chief guest Mr. S.RamPrasath, Assistant Professor/CSE, Vertical Head – Applied Lab, discussed about Start-up, enablers for Start-up and examples of successful start-up. A total of 43 students and two faculty members were benefited by this programme. The session ended with vote of thanks by Mr. M. Ashok Kumar, Asst. Professor/ECE. E- Certificates were provided for all the participants.



### Department of Civil Engineering

The Department of Civil Engineering organized a program on the topic "Discussion with future student Entrepreneur" under Entrepreneurship Development cell on 20-07-2023. The purpose of this program was to create awareness among faculty and students of Engineering courses about various facts of entrepreneurship as an alternative career option as also to highlight the merits of pursuing such an option. Moreover, this Seminar also aimed to bring together the experts from industries, government agencies working in the field of entrepreneurship and students of Engineering in order to provide a forum for the free and fruitful exchange of ideas and information for becoming an entrepreneur. Mrs. M.ManickaPrabha, Asst. Professor/CSE has been the guest speaker of this session. This program was conducted by Mr.M.Ratheesh, SM-EDC/Civil.





## Applied Lab

### Special Initiative Skill Training Department of Civil Engineering

#### 2D Civil Free Hand Sketching & Idea Creation for Building Drawing

The Department of Civil Engineering (Arts and Design Lab) has conducted the "SIS Skill Program" for First year students on "2D DRAWING USING AUTO-CAD SOFTWARE". The training started at 9:00 am at CADD laboratory with the objective to introduce the fundamentals of 2D civil free hand sketching and idea creation for building drawing. The participants have got familiar with basic sketching techniques and principles to develop their creativity and visualization skills in architectural representation. 1) Introduction to Free Hand Sketching, 2) Understanding Basic Drawing Techniques 3) Exploring Perspective Drawing, 4) Conceptualizing Building Ideas, 5) Sketching the Building Elements. This skill program was conducted by Applied Lab in-charge Mr. S. Lakshmi Narayanan (Asst. Professor/CIVIL).



### Department of Electronics & Communication Engineering

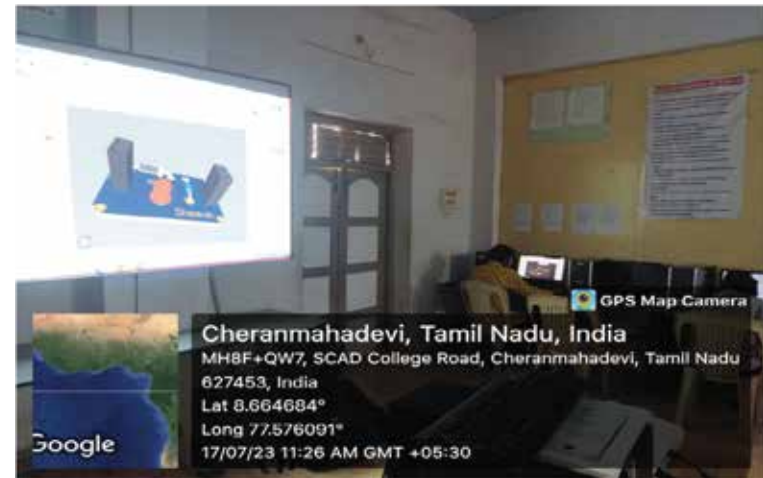
#### Introduction to IoT and Robotics using TinkerCAD

The Department of Electronics and Communication Engineering conducted a special initiative skill Training on "Introduction to IoT and Robotics using TinkerCAD" on 17-7-2023. 29 students from the first year participated in this Skill Training and got knowledge about Arduino and Tinker Cad. This skill Training was coordinated by Dr. M.M. Vijay, Assistant Professor/ECE & Dr.J.Relin Francis Raj, Assistant Professor/ECE.



### Department of Electrical and Electronics Engineering PCB design using Easy EDA

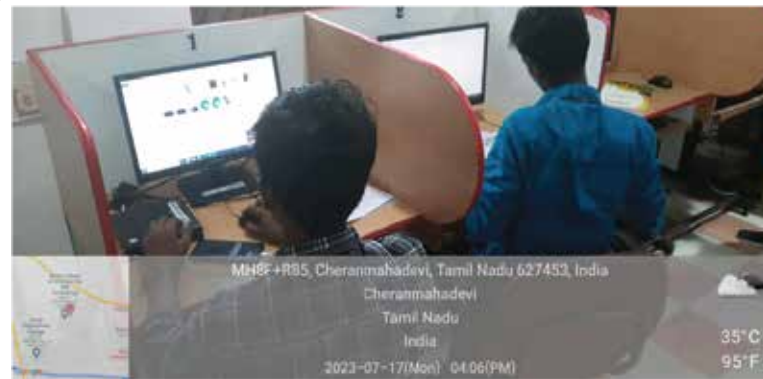
The Department of Electrical and Electronics Engineering conducted a special initiative skill Training on "PCB design using Easy EDA" on 17-7-2023. Around 10 students from the first year participated in this Skill Training and got knowledge about Design a pcb board for full wave rectifier circuit. The skill Training was coordinated by Mr. Ferminus Raj, Assistant Professor/EEE.



### Department of Computer Science and Engineering

#### Front End Development

On behalf of Ideation lab and Mobile Appcelerator lab, Special Initiative skill training on "Front End Development" was conducted for I year students on 17-07-23. A total of 37 students have attended the training and have learned to create a webpage. This skill training was handled by Mr. A. Essaki Muthu, Asst. Professor/CSE.



#### Kali Linux for Newbies

On behalf of applied lab, Special Initiative skill training on "Kali linux for Newbies" was provided to Cybersecurity and Block chain Technology applied lab students (first year) on 17.7.2023. They have learned how to install and work with basic commands in kali linux. A total of 38 students were benefited from this training.

## Applied Lab



### Data Science Using Python

The Training and Skill Development Cell in association with Applied Lab has organized a Special Initiative Skill Training for the 1st year Students entitled "Data Science Using Python" on 17.07.2023. The students have acquired in depth knowledge about "Python, fundamental libraries for data Scientists. Integrated development environment (IDE). All the students enthusiastically attended the skill training. This training was conducted by Mr. N.Mohan, Asst. Professor/CSE.



### Department of Mechanical Engineering Idea Collection and Free Hand Sketch

On behalf of Additive manufacturing lab, Special Initiative skill training - idea collection and free hand sketch" was conducted for I year students on 17-07-23. Around 28 students have attended the training and have acquired knowledge about free hand sketch. This Skill Training was handled by Mr. Bharath AP/Mech.

*"It's not about ideas.  
It's about making ideas happen."*



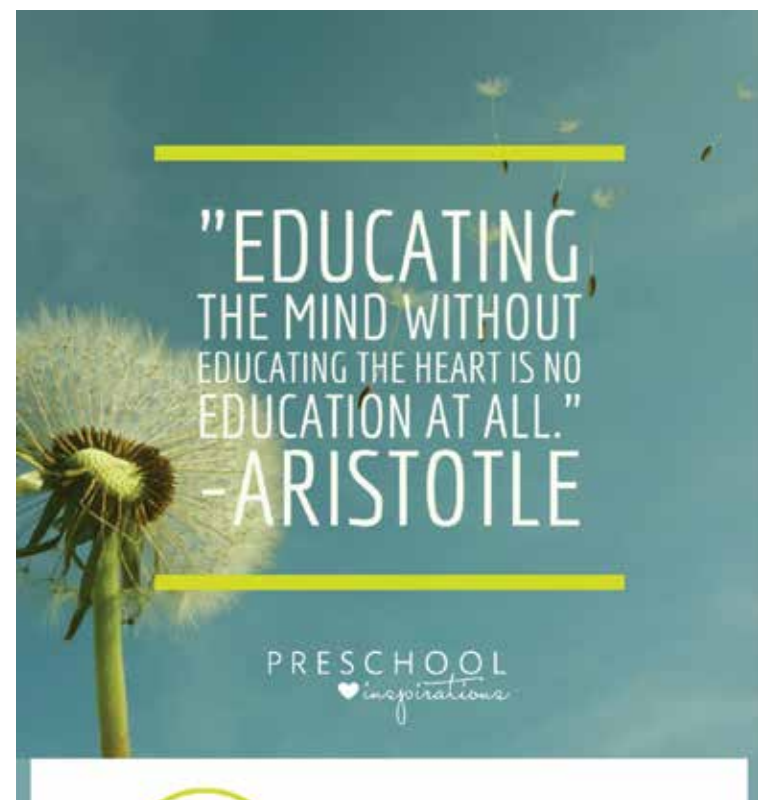
GPS Map Camera

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MHCJ+5J, Cheranmahadevi, Tamil Nadu 627453, India  
Lat 8.670882°  
Long 77.581299°  
17/07/23 12:16 PM GMT +05:30

Google

### Online Live Course

Mr. S. Ram Prasath, Vertical Incharge - Applied Lab successfully completed online live course "Crash course on Front End Development" provided by Great Learning Academy on 25.07.2023. His contribution was highly appreciated.



## Department of Training and Placement

### Placement Orientation Program

The Training and Placement cell organized placement orientation program entitled "Choose Your Career" on 07-07-2023. Dr. J. AllwynKingslyGladston, Professor Placement briefed about the highlights of placement activities and spoke about the importance of placement training to choose the career. Students from all departments of I year participated in the orientation program. This event was conducted by Mr. EssakiMuthu, Asst. Professor/CSE.



### Placement Offer

Congratulations to the following Students who were selected in OneYes Info Tech Solutions Ltd as Python Developer of Final B.E. (CSE). On behalf of the management, Principal and faculty we congratulate for their success.

1. S. Devi Priya
2. M. SulaimanAlfareeth



### Life Skill Training Program Day

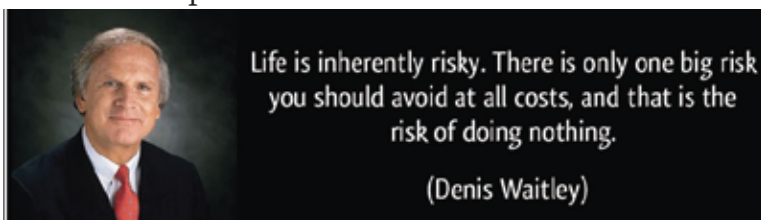
The Department of Placement and Training has arranged, a Life Skill Training Program on 19-07-2023. Around 106 final year students participated in this program. The trainers, Deepak Rao and Chandrakanth U R S from Rubicon, focused on public speaking and self-introduction, which are essential skills for personal and professional development. This program was organized by Dr. Arul Jose, Professor - Training and Skill Department and Coordinated by Dr. J. AllwynKingslyGladston, Professor - Placement.



### Internship

Congratulations to the following students of third year and final year CSE who have got selected as interns in Kissflow Company for an internship. On behalf of the management, Principal and faculty we congratulate for their success.

1. Mr. S. Muthuraman - IV CSE
2. Mr. S. Deepak Aravind - III CSE



Life is inherently risky. There is only one big risk you should avoid at all costs, and that is the risk of doing nothing.

(Denis Waitley)



The function of advertising is simply to promote and sustain competitive advantage for brands.

## Department News

### Department of Civil Engineering Cultural Club - Essay Writing Competition

On behalf of the Cultural Club, the Department of Civil Engineering organized an "Essay Writing Competition" on the theme World Zoonoses Day on 06-07-2023 at Library. Around 25 students have participated in this event. This event was coordinated by Mrs. Y. Reeginal, Assistant Professor/Physics and Mrs. S. Jeyasri Lakshmi, Assistant Professor/Chemistry. The winners were rewarded with certificates at the end of the day.



### Department of Electrical & Electronics Engineering Yoga Club - Pros and Cons of Eating Chocolates

On account of International Chocolate Day, The Department of Electrical and Electronics Engineering conducted a speech contest on the topic "Pros and Cons of Eating Chocolates" for the students of the first year. The students were educated on the benefits of chocolates. World Chocolate Day, also known as Chocolate Day, is celebrated annually on July 7th all over the world. Chocolate, particularly dark chocolate, was known for its health benefits when consumed in moderation. It contains antioxidants that improve heart health, lower blood pres-

sure, and reduce the risk of stroke and heart disease to be discussed. The First prize was won by Mr. C. SankaraPandiyan (CSE B), Second Prize by Mr. S. Saravana Kumar (CSE B), and Third Prize was won by Mr. G. JohnJaison (EEE).



### Orientation for Final Year students

Department of Electronics and Communication Engineering, organized an Orientation program for final year students on July 27, 2023 at 9.30 a.m. The speaker of this program was Mr. H. Esther Beulah, Student Counsellor, Department of Counselling, Tirunelveli Diocese and Mr. T. Azariah, Student Counsellor, Department of Counselling, Tirunelveli Diocese. The Programme started with the welcome address by Mr. J. Johnson, Head of the Department, ECE, followed by presidential address delivered by Dr. A. Justin Diraviam, Principal.

The chief guest Mr. H. Esther Beulah delivered an awe-inspiring motivational speech on "Tips to teens to success". Ignorance about the life skills vapourised from juvenile minds by the ignited speech given by Mr. T. Azariah, The interaction was designed to guide and motivate the students to take up the correct careers with full seriousness and in the right spirit. Around 50 students attended the programme with great enthusiasm and jubilation. Few of the questions from the audience were taken up by the speakers during the Q & A session. The variety and range of questions raised show that the participants took an active part in the programme. The meeting ended with a words of gratitude delivered by Mrs. Yamini, AP/ECE.

## Department News



The Department of Electrical and Electronics Engineering conducted a Student orientation Program on "Engineering Careers and development" MR. Ranjith Kumar Antony Senior Electrical Design Engineer, Gulf SPIC general trading and Contracting Company has been the guest speaker. Around 20 students from EEE and ECE department have participated in this Orientation Program and got knowledge about job opportunities in core field. The Orientation program was coordinated by Mrs. J.Y. Angeline Jemina AP/EEE and Dr.Arul Jose ASP/EEE.



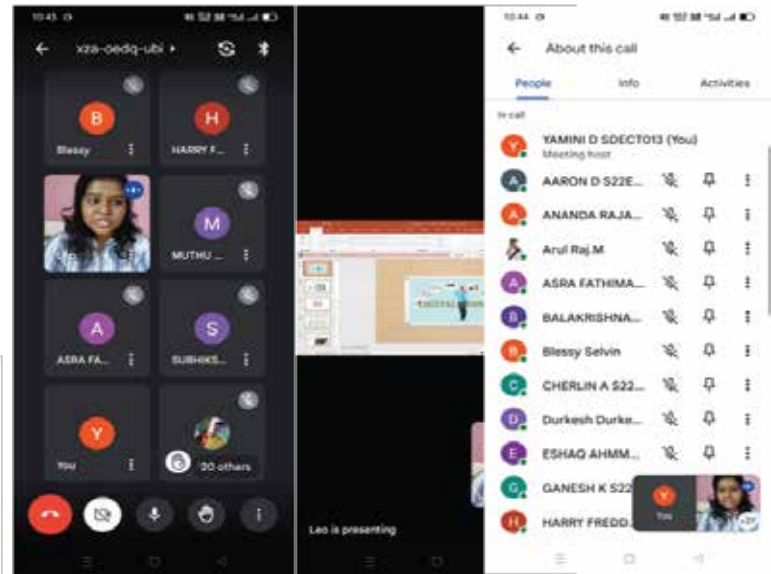
### RRR Club - Field Visit

A field visit on the topic "Biogas Plant and Solar Power Generation on Our Campus" was successfully conducted by the Department of Electrical and Electronics Engineering, RRR Club. The visit was organised for first-year EEE students, and the contents covered were beneficial. The special talk was given by Dr. A. Ann Rufus, Professor/Marketing. The objective of this visit was to learn about the need for renewable energy for every generation. The programme was coordinated by Mr. A. Fermi-nus Raj, Asst.Professor/EEE.



### Department of Electronics and Communication Engineering Alumni Interaction

The Department of Electronics and communication engineering organized an Alumni Interaction program on Digital Design on 08-07-2023. The guest speaker was Ms. Leo T Fastena, Freelance Digital and graphic designer. The first year students of ECE attended the program and had a knowledge of how to become a graphical designer. The program is coordinated by Mrs.D.Yamini.Asst. Professor/ECE.



### Department of Mechanical Engineering Inno Tech - Club Activity

An essay writing competition on "Importance of Skills in Engineering" was conducted as a club activity for the First Year students by the Department of Mechanical Engineering. Around 11 students have actively participating in the competition. This activity was conducted by Mr. M. Senthil kumar, Asst. Professor/Mech. Through this activity the participants were motivated to think and express their ideas in an innovative manner.



"Nothing is impossible. The word itself says 'I'm Possible!'"  
- Audrey Hepburn

Research and Developments

Workshop

Dr. V. Rajalakshmi, HOD/MBA has attended a National Level Virtual Workshop on Self Care for Educations organized by SRM Institute of Science and Technology, Chennai. Her Contribution is highly appreciated.



Dr. V. Rajalakshmi  
HOD/MBA



Journal Presentation

Mr.M.Ashok Kumar AP/ ECE has successfully published a paper entitled “Enhancing energy utilization for high power node multicasting in wireless sensor networks” at Journal of Intelligent & Fuzzy Systems with DOI: 10.3233/JIFS-223536. His contribution is highly appreciated.



Mr. Ashok Kumar  
AP/ECE

Enhancing energy utilization for high power node multicasting in wireless sensor networks Cite

**Article type:** Research Article

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**Abstract:** In multicasting packets of data from a node will be sent to a group of receiver nodes at the same time. Multicasting lowers transmission costs. Energy conservation is critical to a sensor network's long-term viability. Sensor networks have limited and non-replenishable energy supplies, maximizing network lifetime is crucial in sensor nodes. As a result, clustering has become one of the popular methods for extending the lifetime of an entire system by integrating information at the cluster head. Cluster head (CH) selection is the important serving node in each cluster in the Wireless sensor networks (WSN). This paper introduces a High Power Node (HPN) multicasting approach which embeds a cluster of sink node data in packet headers to allow receiver for utilizing a approach for transferring multicast packet data via the shortest paths. The proposed Energy efficient multicasting cluster based routing (EEMCR) protocol utilized high power nodes, which shall play a critical role in minimal energy usage. The implementation findings demonstrate that, when compared with the previous methodologies, the suggested algorithm has enhanced in terms of packet delivery ratio (PDR), End to end delivery rate, efficiency and achieves low energy consumption. The proposed EEMCR obtain 95% efficiency. The results are then compared to other existing algorithms to determine the superiority of the proposed methodology.

**Keywords:** Routing, wireless sensor networks, multicasting, cluster head selection, clustering

Patent Publication

A skill Training on "Basic Electronics" was conducted by The Training and Skill development for school students on 11.07.2023 from 09.00 a.m. to 3.30 p.m. A total of 60 students from 6th, 7th 8th and 9th grades from SCAD International School, Cheranmahadevi, have participated in this Skill Training and gained knowledge about basic of electronics and sensor networks. This skill Training was coordinated by Dr. Bastin Solai Nazaren, Prof/EEE.



Mr. J. Johnson, HOD/ECE



Mrs. A. Valli, AP/Maths



Mrs. V.P. Salini, AP/Maths



Mrs. T. Jackuline, AP/Maths



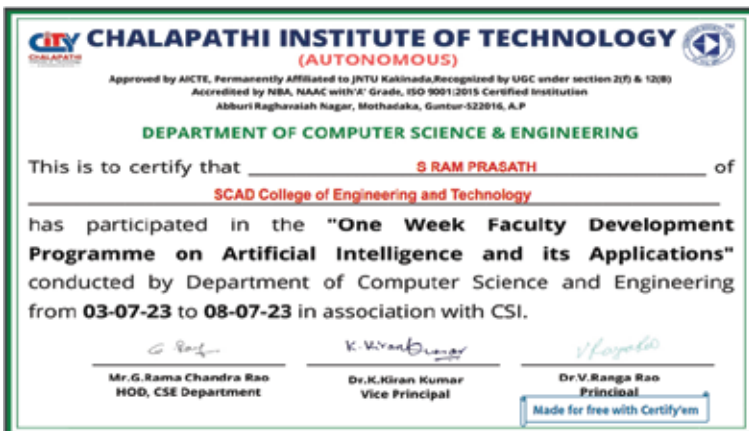
# Research and Developments

## Faculty Development Program

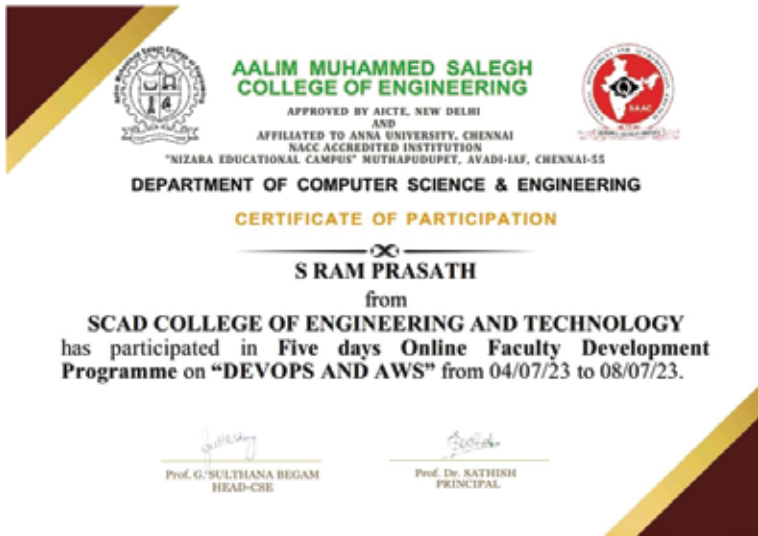
Mr. S. Ram Prasath, Asst. Professor/CSE has participated in a one week faculty development programme on "Artificial Intelligence and its Applications" conducted by Department of CSE from 03.07.2023 to 08.07.2023 at Chalapathi Institute of Engineering and Technology, Guntur, Andrapradesh.



Mr. S. Ram Prasath,  
Asst. Professor/CSE



Mr. S. Ram Prasath, AP/CSE has participated in the 5 days faculty development programme on "DEVOPS AND AWS" conducted by Department of CSE from 04.07.2023 to 08.07.2023 at Aalim Muhammed Salegh College of Engineering, Chennai. His participation is appreciated.



Mr. R. Thirupathieswaran, Mr. S. SelvaSudhakar, Mr. Balasubramanian, faculty of Mechanical Engineering have participated in the five day online FDP on "Emerging Trends of Thermo Fluids in Energy Systems" organised by the division of mathematics, school of advanced science, Vellore Institute of Tech-

nology, Chennai. Their participation is highly appreciated.



Mr. R. Thirupathieswaran  
Asst. Professor/Mech.



Mr. S. SelvaSudhakar  
Asst. Professor/Mech.



Mr. Balasubramanian  
Asst. Professor/Mech.



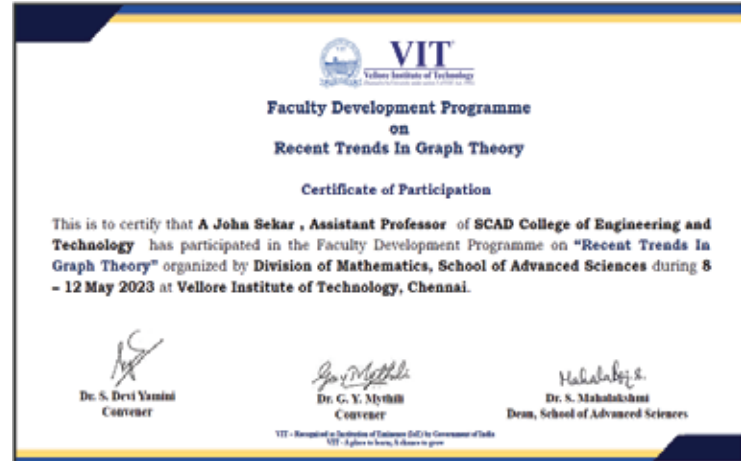
Happiness can be found, even in the darkest of times, if one only remembers to turn on the light.

Research and Developments

Mrs. D. Yamini, Assistant Professor/ECE has participated in the five day online FDP on “Application of Artificial Intelligence in Solving Various Engineering Problems” organised by division of mathematics, school of advanced science, Vellore Institute of Technology, Chennai. Her participation is highly appreciated.



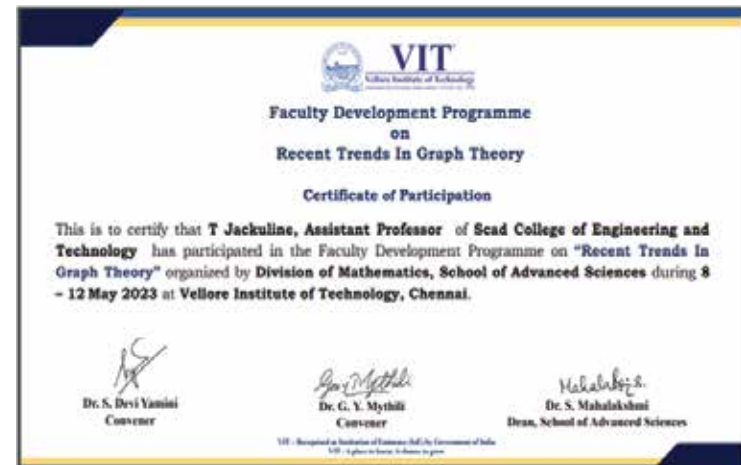
Ms. D. Yamini  
Asst. Professor/ECE



Mr. S. Venkatasubramanian, Professor/Mech has participated in Professional Development Programme on “Smart Manufacturing” conducted by National Institute of Technical Teachers Training and Research, Chennai. His participation is highly appreciated.



Mr. S. Venkatasubramanian  
Professor/Mech



Mr. A. John Sekar and Mrs. T. Jackuline Assistant Professors of Maths have participated in the Faculty Development Programme on “Recent Trends in Graph Theory” organised by Division of Mathematics, School of Advanced Sciences at Vellore Institute of Technology, Chennai. Their participation is highly appreciated.



Mr. A. John Sekar  
Assistant Professor/Maths



Mrs. T. Jackuline  
Assistant Professor/Maths

Mr. M. Ashok Kumar, Asst. Professor/ECE has participated in the five day online Faculty Development Programme on “Embedded Systems and IoT” organised by JayarajAnna packiam CSI College of Engineering. His participation is highly appreciated.



Mr. M. Ashok Kumar  
Asst. Professor/ECE





Research and Developments

Dr. V. Rajalakshmi, Mr. T. Pradeep De Joe, Mr. E. Samuel Sathanathan, Mrs. K. Clarinda, Mrs. M. Santhiya, Faculty of Management Studies have participated in the ten day online Faculty Development Programme on "Recent Trends in Multidisciplinary Research" organised by SRM Institute of Science and Technology, Chennai. Their participation are highly appreciated.



Dr. V. Rajalakshmi HOD/MBA



Mr. T. Pradeep De Joe Asst. Professor/MBA



Mr. E. Samuel Sathanathan Asst. Professor/MBA



Ms. SANTIYA M Asst. Professor/MBA



Mrs. CLARINDA K Asst. Professor/MBA



# Research and Developments

Mrs. A. Valli, Mr. A. John Sekar, Mrs. V.P. Salini, Mrs. T. Jackulin of Mathematics have participated in the one week International Faculty Development Programme on “Mathematics in Real, Applied and Computational Domains” organised by Sathyabama Institute of Science and Technology, Chennai. Their participation are highly appreciated.



Mrs. A. Valli  
Asst. Professor/Maths



Mr. A. John Sekar  
Asst. Professor/Maths



Mrs. V.P. Salini  
Asst. Professor/Maths



Mrs. T. Jackulin  
Asst. Professor/Maths



Mr. S. Ram Prasath, Asst. Professor/CSE has successfully completed the online course under "Automation with Python" on 24th July under IT EXPERT TRAINING (ITET). His participation is highly appreciated.



Mr. S. Ram Prasath  
Asst. Professor/CSE



# Research and Developments

Dr. R. Karthik Ganesh, Mr. S. Ram Prasath, Mr. M. Subramanian, Mr. A. Essaki Muthu, Mr. N. Mohan, Mrs. S. Ramalakshmi, Mrs. M. Manicka Prabha, Faculty of Computer Science and Engineering have participated in the five days Faculty Development Programme on “Artificial Intelligence and Machine Learning” organised by Dhanalakshmi College of Engineering, Chennai. Their participation are highly appreciated.



Dr. R. Karthik Ganesh  
Professor/CSE



Mr. S. Ram Prasath  
Asst. Professor/CSE



Mr. M. Subramanian  
Asst. Professor/CSE



Mr. A. Essaki Muthu  
Asst. Professor/ CSE



Mr. N. Mohan  
Asst. Professor/CSE



Mrs. S. Ramalakshmi  
Asst. Professor/CSE



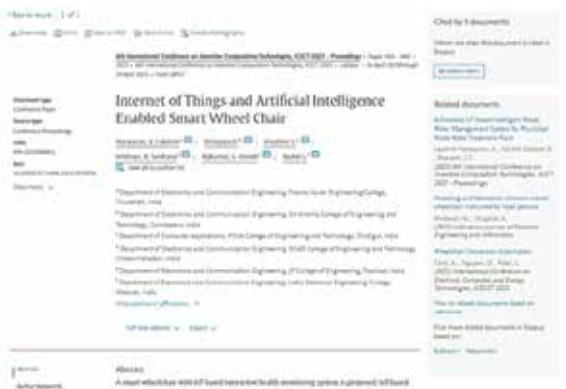
Mrs. M. Manicka Prabha  
Asst. Professor/CSE



Research and Developments

Paper Presentation

Mr. R. Santhana Krishnan, Assistant Professor of ECE Department has published a paper titled "Internet of Things and Artificial Intelligence Enabled Smart Wheel Chair" through 6th International Conference on Inventive Computation Technologies, ICICT 2023 - Proceedings which is also got indexed at SCOPUS. His contribution is highly appreciated.



Mr. R. Santhana Krishnan, Assistant Professor/ECE

Dr. S. Sundararajan, Professor/Mech, Mr. R. Santhana Krishnan, Asst. Professor/ECE and Mrs. S. Ramalakshmi, Assistant Professor/CSE, Department and Dr. S. has published a paper titled "Automated Process for Retinal Image Segmentation and Classification Via Deep Learning based CNN Model" through 6th International Conference on Inventive Computation Technologies, ICICT 2023 - Proceedings which is also got indexed at SCOPUS. Their Contribution is highly appreciated.



Dr. S. Sundararajan, Professor/Mech



Mr. R. Santhana Krishnan, Assistant Professor/ECE

Dr. R. Karthik Ganesh, Professor/CSE Department, Mr. R. Santhana Krishnan, Asst. Professor/ ECE Department and Dr. S. Sundararajan, Professor/Mechanical Engineering have published a paper titled "AI Enabled IoT based Intelligent Waste Water Management System for Municipal Waste Water Treatment Plant" through 6th International Conference on Inventive Computation Technologies, ICICT 2023 - Proceedings which is also got indexed at SCOPUS. Sincere congrats for their scholarly achievement.



Dr. S. Sundararajan Professor/Mech



Mrs. S. Ramalakshmi, Assistant Professor/CSE



Dr. R. Karthik Ganesh Professor/CSE



Mr. R. Santhana Krishnan, Assistant Professor/ECE

Mr. R. Santhana Krishnan, Asst. Professor/ECE, Dr. J. Relin Francis Raj - AP/ECE, Ms. U. Narmatha, IV B.E.(ECE), Ms. N. Preethi IV B.E.(ECE) and Ms. G. Subhashini, IV B.E.(ECE) have published a paper titled "IoT Powered Smart Cars (ISC)" through 6th International Conference on Inventive Computation Technologies, ICICT 2023 - Proceedings which is also got indexed at SCOPUS. Their Contribution is highly appreciated.

"When you have a dream, you've got to grab it and never let go."

- Carol Burnett



## Club Activities

### Creative Club

On behalf of Electronics and communication department, creative club organized Dressing Up Like Emojis Competition on 17.07.23. Nine students were participated in this competition. It was very useful for students' creative mind. The participated students were happy and enjoyed well. The students exposed their talents and artistic skills. This event was coordinated by Mrs.V.P.Shalini, AP/Maths along with Mrs.Yamini, AP/ECE.

The results are as follows

Sl. No	Name of the Student	Department	Position
1	Ms. Ishwarya. M	I ECE	I
2	Ms. Subhiksha. K	I ECE	II
3	Ms. Thayammal. J	I CSE B	III



### Chandrayaan 3 Launch Live Telecast

On account of ISRO'S Chandrayaan 3 launch on 14th July 2023 at 2.35 p.m an AV session of for watching the Chandrayaan 3 launch was arranged for all the first year students and faculty at MB119 hall. The students were taken to the hall at 2.00pm where they have watched the live telecast in the presence of Principal Dr. A. Justin Diraviam and Dr. S. Sundararajan, M.Team Head. A total of 200 watched the live telecast with a great enthusiasm. This session was arranged by Dr. R. Arul Jose, Professor/TSD.



## NSS Activity

### Medical Camp

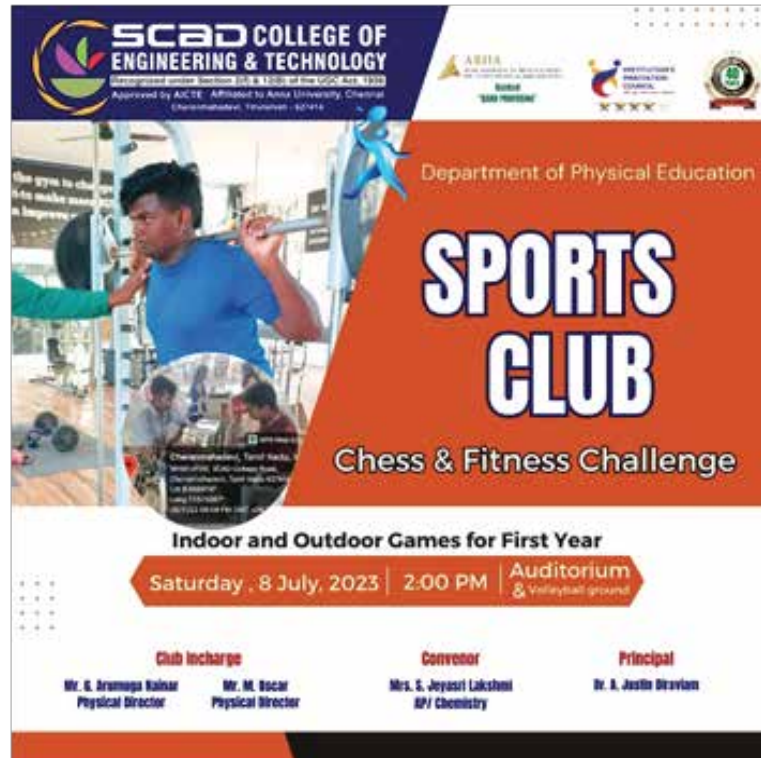
As a part of NSS activities, a free medical camp (ESI) was arranged at our campus for the staff's welfare on 25-07-2023. The medical camp was run by the NSS unit consisting 2 doctors and nurses. Staff members of our campus were insisted to take health check-up were the have checked BP, sugar, ECG, and personal health reports analysed by the doctors and team. Around 65 staff members were benefited from this camp. Free medicines were also distributed to the staff based on need. This programme was coordinated by Mr. A. Johnsekar, NSS PO.



## Department of Physical Education

### Sports Club - Chess & Fitness Challenge

The Department of Physical Education organized a chess for girls & fitness challenge for boys-tournament under sports club on 08-07-2023. Around 100 students participated in this sports. This even was coordinated by Mr. G. ArumugaNainar and Mr. M. Oscar Physical Director.



**SCAD COLLEGE OF ENGINEERING & TECHNOLOGY**  
 Approved by AICTE, Affiliated to Anna University, Chennai  
 Accredited by ABET, Accredited by the UGC Act 1956

Department of Physical Education

# SPORTS CLUB

## Chess & Fitness Challenge

Indoor and Outdoor Games for First Year

Saturday, 8 July, 2023 | 2:00 PM | Auditorium & Volleyball ground

**Club Incharge**  
Mr. G. Arumuga Nainar  
Physical Director

**Convenor**  
Mrs. S. Jayasri Lakshmi  
IP / Chemistry

**Principal**  
Dr. A. Justin Diraviam



SH 177, Tamil Nadu 627414, India

Latitude Longitude

**SUCCESS IS NOT FINAL;  
 FAILURE IS NOT FATAL:  
 IT IS THE COURAGE TO CONTINUE  
 THAT COUNTS.**

WINSTON S. CHURCHILL

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