# SHANMUGANATHAN ENGINEERING COLLEGE

*(Approved by AICTE, Affiliated to Anna University, Chennai*
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**ARASAMPATTI – 622 507**

5.1.3 Capacity building and skills enhancement initiatives taken by the institution include the following 1. Soft skills, 2. Language and communication skills, 3. Life skills (Yoga, physical fitness, health and hygiene), 4. ICT/computing skills in the year 2023-2024

| Academic Year | Category | Name of the capability enhancement program | Date of implementation (DD-MM-YYYY) | Number of students enrolled | Name of the agencies/consultants involved with contact details (if any) |
|---|---|---|---|---|---|
| 2023-2024 | Soft skills | Awareness Programme | 02.11.2023 | 82 | Dr.M.Palaniyappan, Prof. & Tamil, Thiruvadanai Arts and science College, Thiruvadanai. |
| | | Orientation Programme | 17.11.2023 | 82 | Dr.Arulsamy, AP/Tamil Shanmuganathan Engineering College,Pudukkottai, Pudukkottai. |
| | | Motivational Programme | 22.12.2023 | 82 | Dr.KL.Muthuramu, Principal, Shanmuganathan Engineering College, Pudukkottai. |
| | | Motivational Programme | 12.01.2024 | 82 | Dr.A.Bharathi Rani, AP/Tamil Alagappa Arts and science College, Karaikudi. |
| | | Awareness Programme | 08.08.2023 | 45 | Dr.E.Mohan, HoD/MECH Shanmuganathan Engineering College, Pudukkottai. |
| | ICT/ computing skills | Job Oriented motivational Programme | 21.08.2023 | 28 | Dr.G.Maheswaran, Dean Research, Shanmuganathan Engineering College, Pudukkottai. |
| | | External Guest Lecture | 02.02.2024 | 38 | Dr.R.Senthil, Professor & Director, Anna University, Chennai |
| | | Faculty training Programme | 28.10.2023 | 9 | Mr.G.Murugan, CEO, GM Electronic, Madurai |
| | | Workshop | 25.10.2023 | 43 | Mr.M.Somasundar, Vice President, Pyroferus Tech Mr.C.Karthikeyan Co-Founder, BUSOFT Tech |
| | | External Guest Lecture | 25.10.2023 | 43 | Mr.Nitheesh, Software Developer Pyroferus Tech, Chennai |
| | | Webinar | 29.08.2023 | 43 | Dr.S.Baghavathi Priya, Associate Professor, Department of Computer science and Engineering. Amrita school of computing |
| | | Webinar | 12.04.2024 | 111 | Mr.Pratap Chandra Pandi, AI/ML Data science lead, Arich Infotech Pvt.Ltd, Chennai |

| | | | | | |
|---|---|---|---|---|---|
| | | Value Added Course - Embedded Systems and IOT | 18.03.2024 To 26.03.2024 | 78 | Embedded Plus Solutions, Trichy |
| | | External Guest Lecture | 04.11.2023 | 78 | Dr.P.Ramadevi, HOD/ECE Anna University, Tiruchirappalli |
| | | National Conference | 27.04.2024 | 56 | Students From Various Institute |
| | ICT/ computing skills | Value Added Course - Embedded Systems and IOT | 18.03.2024 To 26.03.2024 | 24 | Embedded Plus Solutions, Trichy |
| | | External Guest Lecture | 27.03.2024 | 28. | Mr.Siva, Quality Engineer, SSS-Automation, Madurai |
| | | External Guest Lecture | 03.04.2024 | 28 | Mr.M.Venkateshwaran, Mentor, Sri Krishna Engineering Acadmy, Trichy |
| | | Certificate Course on Solid Works | 12.03.2024 | 15 | CADD Centre, Pudukottai |
| | | Certificate Course on ESSENTIALS in CATIA | 20.03.2024 | 21 | CADD Centre, Pudukottai |
| | | Certificate Course on AutoCAD | 15.04.2024 | 13 | CADD Centre, Pudukottai |
| | Life Skills | Awareness Programme | 28.05.2024 | 44 | Dr.KirubaShankar, M.B.B.S,.M.S Government Hospital-Thirumayam Blood Donation Awareness program |
| | | Awareness Programme | 03.06.2024 | 38 | Mr.Kumar , YOGO Trainer YOGO Centre, Pudukottai |

PRINCIPAL

Shanmuganathan
Engineering College
Arasampatti - 622 507

## ASSOCIATION ACTIVITY
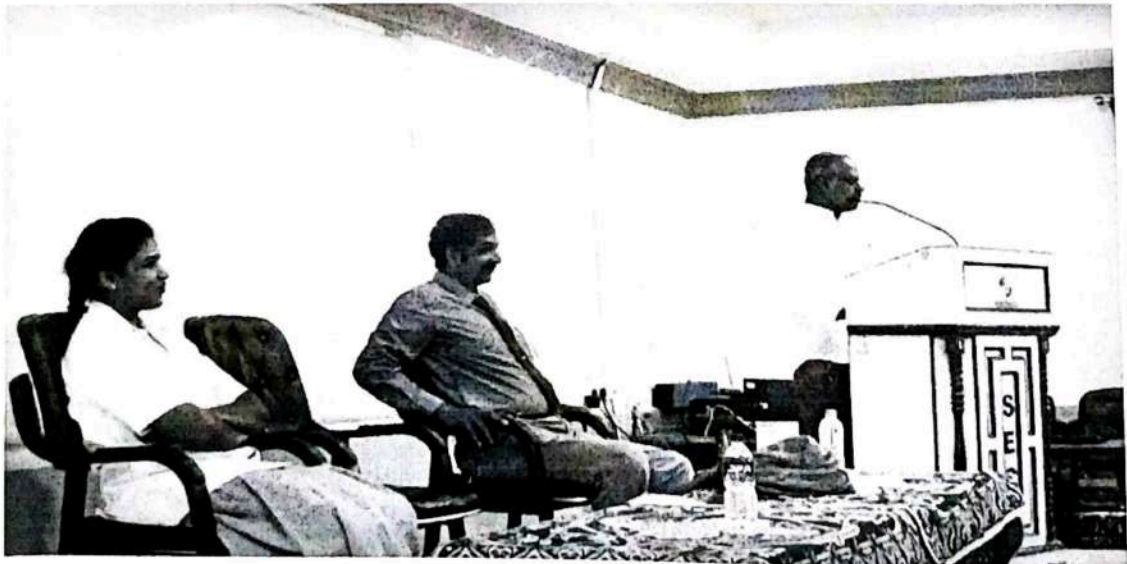
| | | |
|---|---|---|
| Title of the activity | : | Inauguration of Tamil Peravai |
| Date | : | 02-11-2023 |
| Time | : | 3.50pm to 4.45pm |
| Venue | : | Seminar Hall (LH106) |

| S. No | Name of the Resource Person | Topic |
|---|---|---|
| 1 | Dr. M. Palaniyappan | Tamil Language and internet |

**Activity Report:**

Dr. M. Palaniyappan, Professor/Tamil, Thiruvadanai Arts and Science College, Inaugurated the Tamil Peravai (2023-24) of Shanmuganathan Engineering College on 02-11-2023. The Principal honoured the Guest with shawl and momento and delivered the welcome address. The special guest enlightened the students with his unique speech containing how Tamil Language has its role in the development of Technology.



HoD/S&H

## ASSOCIATION ACTIVITIES

Title of the activity        :    Orientation Programme

Date                      :    17.11.2023

Time                      :    3.50pm to 4.45pm

Venue                  :    Seminar Hall (LH106)

| S. No | Name of the Resource Person | Topic |
|---|---|---|
| 1 | Dr. Arulsamy AP/Tamil<br>Shanmuganathan Engineering College | Tamil cultural development |

**Activity Report:**

    Dr. Arulsamy AP/Tamil, Shanmuganathan Engineering College, engaged the orientation programme organized for the first year B.E students. He eruditely presented the historical background of Tamil culture through ancient Tamil Literature. Students were very interactive and recollected their knowledge gained in school days.



HoD/S&H

## ASSOCIATION ACTIVITIES

| Title of the activity | : | Motivational Programmeme |
|---|---|---|
| Date | : | 22.12.2023 |
| Time | : | 3.50pm to 4.45pm |
| Venue | : | Seminar Hall (LH106) |

| S. No | Name of the Resource Person | Topic |
|---|---|---|
| 1 | Dr. K.L. Muthuramu, The Principal, SEC | Self Behavioural Strategies |

Activity Report:

A Motivational Programme was arranged to the First Year students of our College. Dr. K.L Muthuramul, Principal, made a special motivational speech on **Self Behavioral Strategy,** aiming to increase the study attitude among the students by invoking the strategies to bridge the gap between School level learning attitude and college level learning attitude. Earlier HoDs from all the branches briefly made motivational speech discussing the current opportunities for Engineers in Industries.



HoD/S&H

## ASSOCIATION ACTIVITIES

| | | |
|---|---|---|
| Title of the activity | : | Motivational Programme |
| Date | : | 12-01-2024 |
| Time | : | 3.50pm to 4.45pm |
| Venue | : | Seminar Hall (LH106) |

| S.No | Name of the Resource Person | Topic |
|---|---|---|
| 1 | Dr. A. Bharathi RaniAP/Tamil (Tamil Research Centre), Alagappa Government Arts College | Self-Empowerment Strategies |

**Activity Report:**

Dr. Bharathi Rani, AP/Tamil (Tamil Research Centre), AlagappaGevernmentArts College, was the special speaker of the Motivational Programme on 12-01-2024 that was arranged specifically with the objective of motivating the first year students who were about to appear for their first Semester Examinations. The speaker deeply ignited the minds of students towards the tasks and elucidated how to plan for achieving tasks. Earlier Dr. A. Arulsamy, AP/Tamil, Shanmuganathan Engineering College welcomed the guests. The HoD/S&H,Dr. KL. Muthuramu, honoured the chief guest and delivered a special address.
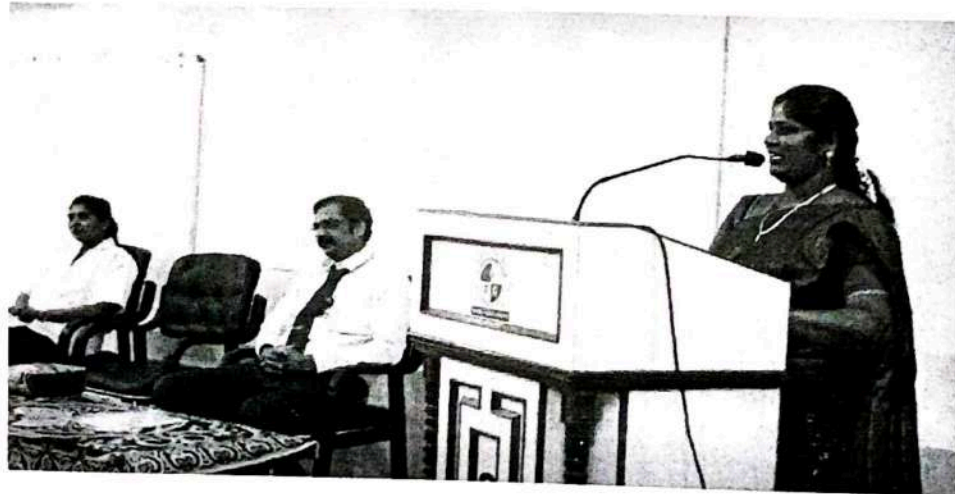


HoD/S&H

**ACEDEMIC YEAR -2023-2024 (ODD SEMESTER)**
**DEPARTMENT ACTIVITIES**          Date:08-08-2023
**(IQAC REPORT)**
**STAFF SEMINAR**
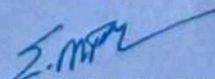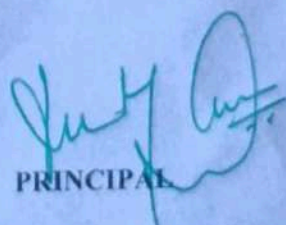
| SI.No | Name of the Activity | Title |
|-------|----------------------|-------|
| 1. | Awareness Programme | Preparation for competitive Examinations |

The department of Mechanical Engineering has organized an Awareness Programme on Preparation for competitive Examinations to give the motivation and face competitive exams like GATE and Engineering service Examinations. Dr.E.Mohan, HoD/Mech listed about the eligible critera like age limit, Qualification etc., to attend the exams and detailed about preparation.



Dr.E.Mohan, HoD/Mech briefed "Preparation for competitive Examinations".

HOD/MECHANICAL                                                    PRINCIPAL

DEPARTMENT OF CIVIL ENGINEERING
# SHANMUGANATHAN ENGINEERING COLLEGE
ARASAMPATTI – 622 507

## CIVIL ENGINEERING ASSOCIATION
### SEMINAR-01
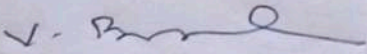
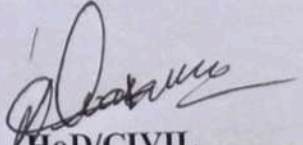DATE: 21.08.2023          VENUE: HALL NO 209          TIME:03.55PM TO 4.45PM

### JOB ORIENTED MOTIVATIONAL SPEECH

### DR.G. MAHESWARAN, Ph.D
### PROFESSOR/DEAN RESEARCH



ASSOCIATION CO-ORDINATOR

HoD/CIVIL

## CIVIL ENGINEERING ASSOCIATION
## SEMINAR-01

**DATE: 02.02.2024**                    *Venue:  Hall No 106 at 11.00 AM TO 12.30PM*

### ASSOCIATION INAUGURAL FUNCTION

1. Dr.R.Senthil, Professor and Director
   Anna University, Chennai

**TOPIC: ASSOCIATION INAUGURAL FUNCTION& DUCTILE DETAILING**



**ASSOCIATION CO-ORDINATOR**          **HOD/CIVIL**          **PRINCIPAL**

## ACTIVITY REPORT

| | |
|---|---|
| **Name of the Activity** | : Faculty training programing |
| **Name of the Faculty training** | : Embedded System & IOT - Kit |
| **Name of the Resource Persons** | : Mr.G. Murugan |
| **Designation and Address** | : CEO of Gm Electronics.Madurai |
| **Date** | : 28.10.2023 |
| **Target Audience** | : All CSE Faculties (08) |
| **Venue** | : LAB III |

**Summary of the Topic Covered** :

The faculty training program was organized by department of computer science and engineering. Mrs.S.Sree Subha, AP-CSE, Head of the department Welcomed the gathering.The Speaker Mr.G.Murugan, CEO of Gm Electronics, Madurai explained about the devices consist of

    i.    On Board Features Arduino Uno, NodeMCU,12-5V Buck Converter.

    ii.    Server Motor, LED and Push Button, Infrared Sensor, Temperature Sensor,

    iii.    Ultrasonic Sensor, Control of Servo Motor.

    iv.    Realize the led Pattern.

    v.    To Measure Room Temperature.

    vi.    To Measure Distance Using Ultra sonic Sensor

    vii.    Realize the LCD Display.

## SAMPLE EXPERIMENTS VISUALISED:

1. Bluetooth Communication (for. Smartphone).
2. Home automation control the light via Relay.
3. Visualize the temperature data on cloud using Think speak.
4. Control the home automation using Bylink App.
5. Control the home automation using Web Server.
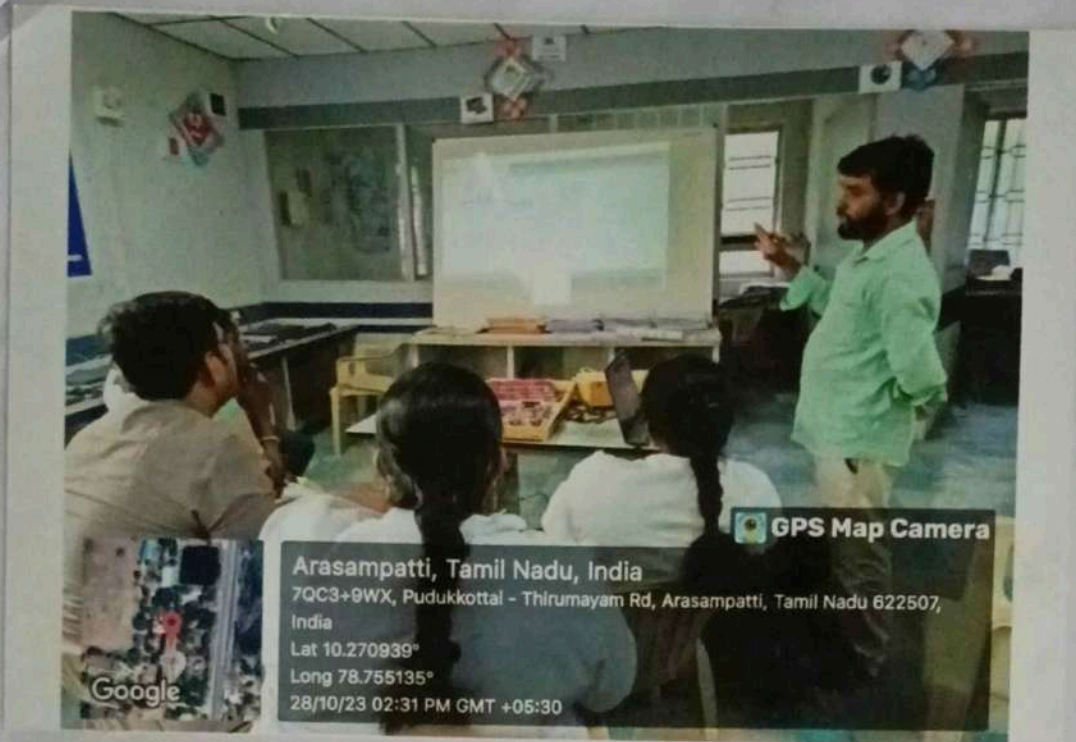
**Embedded System & IOT – Kit demonstrated by Mr.G. Murugan,CEO of Gm Electronics,Madurai**

# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
# SHANMUGANATHAN ENGINEERING COLLEGE
## ARASAMPATTI – 622 507
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## Activity – Report

| | |
|---|---|
| **Name of Activity** | : Workshop |
| **Title of the Workshop** | : Human Intelligence and Automation Testing |
| **Name of the Resource Person 1** | : Mr.M.Somasundar |
| **Designation and Address** | : Vice President of pyroferus Tech. |
| **Name of the Resource Person 2** | : Mr.C.Karthikeyan |
| **Designation and Address** | : COO&CO-Founder of BUSOFT Tech |
| **Date** | : 25.10.2023 |
| **Target Audience** | : Final year CSE students |
| **Number of Students** | : 43 |
| **Venue** | : Room No:106 |
| **Summary of the Workshop** | : |

The workshop was commenced at 10:35am with Tamil thai vazhthu. Followed by that welcome address was given by Mrs.S.Sree Subha, Head of the department. Mr.S.Saravana kumar, Assistant professor introduces the Chief Guest. Mr.C.Kathikeyan COO & CO-Founder of BUSOFT Tech and Mr.M.Somasundar vice president of Pyroferus Technologies.

The first session was started by Mr.M.Somasundar Vice President of pyroferus Tech. He stated the points related to get a job in non-technical field. How to survey in the industry and also said about the opportunities in both technical and non-technical fields. He had explained about non-technical sectors like an software testing, and the tools used like selenium, eclipse etc. selenium is an open-source tool, free of cost, allows you to create test scripts in different languages like ruby, java, php, perl, python, JavaScript and c# among others.

The next session was continued by the guest speaker Mr.C.Karthikeyan COO&CO-Founder of BUSOFT Tech started with the three mantras to succeed in the life : Fixing the goals which companies are aiming for? How much package we are expecting from them? To achieve these things, we must put some efforts to gain knowledge. He said what actually companies expecting from us during interviews so he insists us to concentrate on our fundamentals and related to that the questions will be arises.

If we are strong in our curriculum that is more or else enough to crack the interviews. The next part he undergone which was liked by many of us is they were conducted a group discussion. He told each group should have a leader, naming the groups and the topics which was given by him is to tell our dream company and what position we are aiming for and when will we will achieve our goals. He allotted the time; the students were started to discuss and after discussion the leaders have read out their group members goals.

Finally, the workshop was ended with vote of thanks by the final year

Mr.B.Brameswaran President of BOYCE Association.



**Workshop on "Human Intelligence and Automation Testing " by Mr.M.Somasundar &**
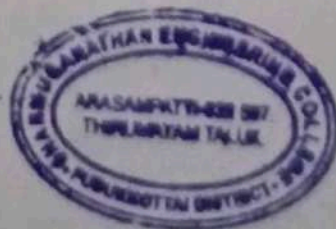
**Mr.C.Karthikeyan**

## Activity – Report

| | |
|---|---|
| **Name of Activity** | : External Guest Lecture |
| **Title of the Lecture** | : Software Automation Training Using Selenium |
| **Name of the Resource Person** | : MR. Nitheesh, B.E |
| **Designation and Address** | : Software Developer |
| | Pyroferus Technologies, Chennai. |
| **Date** | : 25.10.2023 |
| **Target Audience** | : IV Year Students |
| **Number of Students / Staff** | : 43 / 8 |
| **Venue** | : 106 |
| **Summary of the Lecture** | : |

**MR. Nitheesh, B.E** gave a clear cut explanation about **Selenium Automation Testing**, like where it is used now a days, merits and demerits etc.,

He gave real time examples of Selenium and explained the single interface to help us write test scripts in programming language using java. He held a great interaction session among students clarifying their doubts regarding the selenium automation testing tool.

He also shared his own experience about his project with the students.

Chief Guest: MR. Nitheesh, B.E, Software Developer, Pyroferus Technologies, Chennai.

HoD / CSE

Head of the Department
Department of Computer Science and Engineering
Shanmuganathan Engineering College
Arasampatti - 622 507

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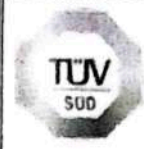Shanmuganathan
Engineering College
Arasampatti - 622 507

# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
# SHANMUGANATHAN ENGINEERING COLLEGE
### ARASAMPATTI – 622 507
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## Activity – Report

| | |
|---|---|
| **Name of Activity** | : Webinar |
| **Title of the Lecture** | : Research Perspective on Hash Algorithm |
| **Name of the Resource Person** | : Dr. S.Baghavathi Priya, Ph.D., |
| **Designation and Address** | : Associate Professor, |
| | Department of computer science and engineering. |
| | Amrita Scholl of computing, Amrita Vishwa Vidyapeetham. |
| **Date** | : 29.08.2023 |
| **Target Audience** | : IV Year Students |
| **Number of Students / Staff** | : 43 / 6 |
| **Venue** | : 106 |
| **Summary of the Lecture** | : |

**Dr. S.Baghavathi Priya, Ph.D.,** gave a clear cut explanation about **Research Perspective on Hash Algorithm,** like where it is used now a days, merits and demerits etc.,

She gave real time examples of Cryptography mechanism, public key and private key of it. She held a great interaction session among students clarifying their doubts regarding the Research Perspective on Hash Algorithm.

She also shared her own experience about her thesis with the students.

Chief Guest: **Dr. S.Baghavathi Priya, Ph.D.,** Associate Professor, Department of computer science and engineering, Amrita Scholl of computing, Amrita Vishwa Vidyapeetham.

HoD / CSE

Head of the Department
Department of Computer Science and Engineering
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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**
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## Activity – Report

**Name of Activity** : Webinar

**Title of the Lecture** : The fundamentals of AI and its real-world

applications

**Name of the Resource Person** : Mr. Pratap Chandra Pandi

**Designation and Address** : AI/ML, Data science Lead,

Training Specialist.

Arich Infotech Pvt. Ltd.

Chennai.

**Date** : 12.04.2024

**Target Audience** : II- & III-Year Students

**Number of Students / Staff.** : 111 / 7

**Platform** : Virtual

**Summary of the Lecture** :

Webinar on "**The fundamentals of AI and its real-world applications** "was held on

12th April 2024, during 11.00 am to 12.00 am. The Department of Computer Science and

Engineering organized the event.

The Resource person of this webinar was, **Mr. Pratap Chandra Pandi**, AI/ML, Data

science Lead, Training Specialist, Arich Infotech Pvt. Ltd. Chennai.

**The report discusses about the following aspects of the programme:**

➢ The webinar was attended by all the faculties of the department, as well as our III- &

IV-Year students who were interested in learning more about AI and its applications.
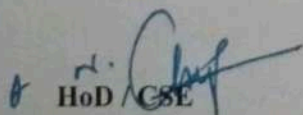
- He began the webinar by providing a comprehensive overview of AI, defining it as the ability of machines to perform tasks that typically require human intelligence.

- He went on to explain the various subfields of AI, such as machine learning, natural language processing, and robotics, among others.

- He discussed the history of AI and its evolution over time, from the early days of rule-based systems to the current era of deep learning and neural networks.

- He also highlighted some of the key applications of AI in different sectors, including healthcare, finance, and transportation.

- He explained how AI is being used to improve patient outcomes, detect fraud, and develop self-driving cars, among other things.

- Throughout the webinar, Kumar provided numerous examples of how AI is being used in real-world applications, which helped to make the topic more relatable and engaging for the audience.

- He also discussed some of the challenges and ethical concerns associated with AI, such as bias and privacy issues.

- The attendees had an opportunity to ask questions and interact with the speaker during the session.

- He provided thoughtful responses to each query, which helped to further clarify some of the more complex concepts.

- The webinar was well-organized and well-attended, with participants expressing their appreciation for the insightful and informative session.

- Some participants even shared their experiences of implementing AI in their respective fields.
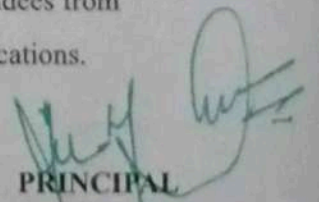
Attached are some pictures of the webinar, showcasing the engaged students and the speaker's presentation slides.



- ❖ Overall, the **Fundamentals of AI and its real-world applications** webinar by **Mr. Pratap Chandra Pandi** was a valuable and informative session that provided participants with a solid foundation in the fundamentals of AI.

- ❖ The webinar successfully conveyed the importance of AI and its potential impact on our society and economy.

- ❖ The insights provided by Pratap Chandra Pandi were valuable for attendees from different backgrounds who wanted to learn more about AI and its applications.

HoD / CSE

Head of the Department
Department of Computer Science and Engineering
Shanmuganathan Engineering College
Arasampatti - 622 507

PRINCIPAL

Shanmuganathan
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# SHANMUGANATHAN ENGINEERING COLLEGE

(Approved by AICTE & Affiliated to Anna University, Chennai
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Arasampatti - 622 507, Thirumayam (Taluk),
Pudukkottai (District), Tamilnadu.

## INVITATION

### IQAC & DEPARTMENT OF
### ELECTRONICS AND COMMUNICATION ENGINEERING

*cordially invites you to the*

# SPECTRA'23

**National Level** **Technical Symposium**

Date: 04.11.2023 | Time: 10.00 a.m. | Venue: 106

## AGENDA

*Tamil Thai Vaalthu*

*Welcome Address*

**Dr.A.Muthu Manickam**
Head of the Department

*Presidential Address*

**Dr.KL.Muthuramu**
Principal

*Felicitation*

**Mr.M.Viswanathan**
Secretary

**Dr.Pichappa Manikandan**
Correspondent

*Chief Guest*

**Dr.P.Ramadevi**
HoD/ECE
Anna University - BIT Campus, Tiruchirappalli

*Vote of Thanks*
**Mr.P.Krishna**
Student Coordinator

# TECHNICAL ASSOCIATION ACTIVITITY-9

## Summary

| | |
|---|---|
| **Name of the Event** | : National Level Technical symposium |
| **Date** | : 04.11.2023 |
| **Chief Guest** | : Dr.P.Ramadevi, HoD/ECE, Anna University (BIT Campus) Tiruchirappalli |

## Report

    Department of Electronics and Communication Engineering of Shanmuganathan Engineering College organized a National Level Technical symposium, SPECTRA'23 on 04th Novmber 2023 in Seminar Hall (106). Dr.P.Ramadevi, HoD/ECE – Anna University (BIT Campus), Tiruchirappalli headed over the function. The SPECTRA'23 was attended by various engineering colleges, 79 students and 6 Faculty members of the Electronics and Communication Engineering Department.

    Our chief guest delivered the special address and gave a guest lecture on "IoT Sensor Networks". He insisted students to develop their skills through the technical knowledge what they required. He explained about core electronics and latest embedded system technologies.



Dr.P.Ramadevi, HoD/ECE, Anna University, Guest Speaker delivered a Inaugural address

"WAVES"-THE ASSOCIATION OF DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING & IQAC JOINTLY ORGANIZES "NATIONAL LEVEL TECHNICAL SYMPOSIUM & GUEST LECTURE" HELD ON 04.11.2023

# LIST OF FACULTY BENEFITED

| S.NO | NAME OF THE STUDENT | SIGNATURE |
|------|---------------------|-----------|
| 1 | Dr.A.Muthu Manickam, HoD/ECE | |
| 2 | Mr.SP.Senthilkumar, AP/ECE | |
| 3 | Mrs.D.Latha, AP/ECE | |
| 4 | Mrs.M.Sivagami, AP/ECE | |
| 5 | Ms.A.Revathi, AP/ECE | |
| 6 | Ms.I.Gayathri, AP/ECE | |

**Association Activities Faculty in charge**

HoD/ECE
**Head of the Department**
Department of Electronics and
Communication Engineering
SHANMUGANATHAN ENGINEERING COLLEGE
ARASAMPATTI - 622507. Pudukkottai Dt

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**
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**ARASAMPATTI – 622 507**

## ACADEMIC YEAR 2023-2024 (EVEN SEMESTER)

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING &
INTERNAL QUALITY ASSURANCE CELL**
*VALUE ADDED COURSE (VAC) ON "EMBEDDED SYSTEMS AND IOT"*
**in association with
EMBEDDED PLUS SOLUTIONS, TRICHY**

## REPORT

Department of ECE and IQAC organized a Value Added Course (VAC) titled "Embedded Real-time Applications" for third year and final year students in collaboration with Embedded Plus Solutions, Trichy. The Course is started on 18.03.2024 and ended on 26.03.2024. Duration of the course is 24 hours (3 days). Resource person is Mr.Madhan, Director-Technical, Embedded Plus Solutions, Trichy. He explained all the topics from syllabus which includes Embedded Systems and IOT with embedded C and Python programming along with hands on training. 78 students from our department benefitted through this course.
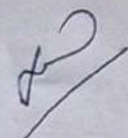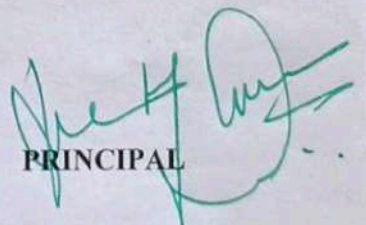


Mr.S.Madhan gave an introduction about opportunities in embedded systems

Mr.S.Madhan gave hands-on training to students on PIC16F877a and Arduino

HoD-ECE

PRINCIPAL

# SHANMUGANATHAN ENGINEERING COLLEGE

(Approved by AICTE & Affiliated to Anna University, Chennai
Accredited by NAAC & An ISO 9001:2015 certified Institution)
Arasampatti – 622507, Thirumayam(Taluk), Pudukkottai (District), TamilNadu

## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING and INTERNAL QUALITY ASSURANCE CELL

In Association with

## EMBEDDED PLUS SOLUTIONS,TRICHY

## CERTIFICATE

This is to certify that Mr. / Ms. ....RAJESHWARAN : S............................................

of .THIRD...YEAR......... has successfully completed On-Campus Training in

### INDUSTRIAL CONTROLLERS (PIC & ATmega)

during the period from 18.03.2024 to 25.03.2024

at Shanmuganathan Engineering College.

Director - Technical
(EPS)

HOD - ECE

PRINCIPAL

# SHANMUGANATHAN ENGINEERING COLLEGE

(Approved by AICTE & Affiliated to Anna University, Chennai
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Arasampatti – 622507, Thirumayam(Taluk), Pudukkottai (District), TamilNadu

## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING and INTERNAL QUALITY ASSURANCE CELL

In Association with

## EMBEDDED PLUS SOLUTIONS,TRICHY

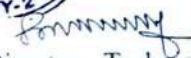## CERTIFICATE

This is to certify that Mr. / ~~Ms.~~ MUTHIAH · R

of SECOND YEAR has successfully completed On-Campus Training in

## INDUSTRIAL CONTROLLERS (PIC & ATmega)

during the period from 18.03.2024 to 25.03.2024

at Shanmuganathan Engineering College.

Director - Technical
(EPS)

HOD - ECE

PRINCIPAL

# SHANMUGANATHAN ENGINEERING COLLEGE

(Approved by AICTE & Affiliated to Anna University, Chennai
Accredited by NAAC & An ISO 9001:2015 certified Institution)
Arasampatti – 622507, Thirumayam(Taluk), Pudukkottai (District), TamilNadu

## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING and INTERNAL QUALITY ASSURANCE CELL

In Association with

## EMBEDDED PLUS SOLUTIONS, TRICHY

## CERTIFICATE

This is to certify that Mr. / Ms. ......DHARANI V...........................................

of ..FINAL YEAR...... has successfully completed On-Campus Training in

## INDUSTRIAL CONTROLLERS (PIC & ATmega)

during the period from 18.03.2024 to 25.03.2024

at Shanmuganathan Engineering College.

Director - Technical
(EPS)

HOD - ECE

PRINCIPAL

# TECHNICAL ASSOCIATION ACTIVITITY-7

## Summary

Name of the Event       : One day National Conference on Recent Trends in
Engineering  and Technology (NCRTET 2024)

Topic                     : Waveform Generators and Special IC
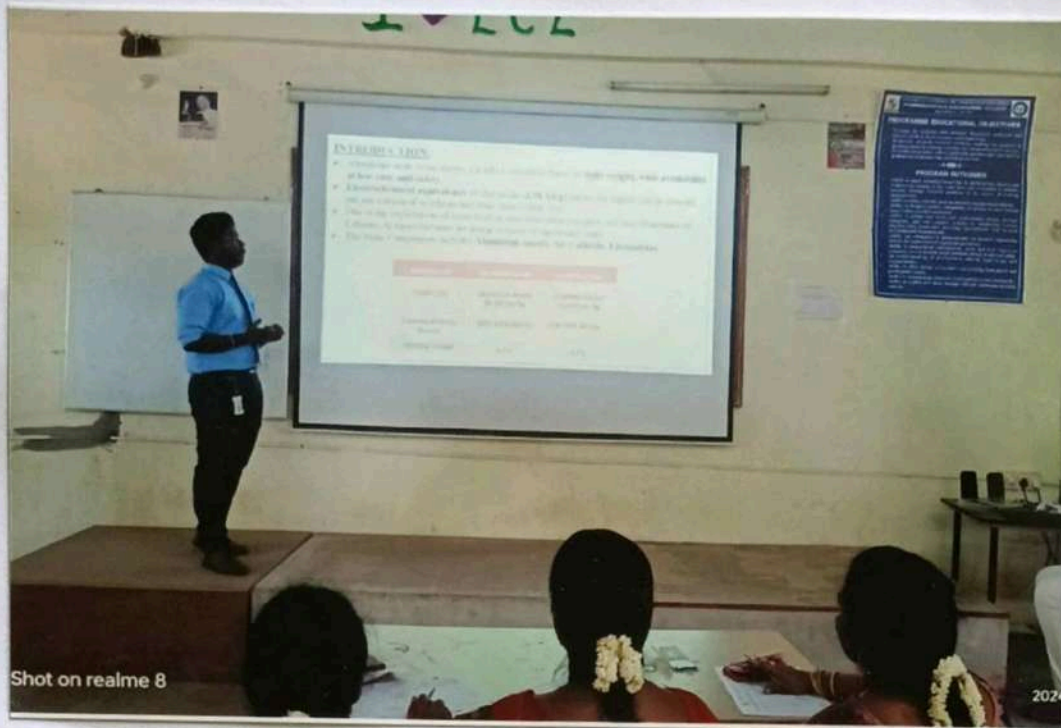
Date                      : 27.04.2024

## Report

One day National Conference on Recent Trends in Engineering  and Technology (NCRTET 2024 held on 27.04.2024, Saturday in our college campus. Dr.KL.Muthuramu, Principal welcomed the gathering. Dr.Mageshwaran, Dean motivated the students to attend and organize this kind of conferences.



Dr.KL.Muthuramu, Principal welcomed the gathering

Student from CSIR explained their presentation to faculty members and students

## _INVITATION_

Office bearers and members of the **EEE Association**

## _DAZZLERS_

Cordially invites you for the

GUEST LECTURE ON

## "INDUSTRIAL AUTOMATION –

_FUTURE OF ALL INDUSTRIES_"

## Presented by

MR. SIVA

QUALITY ENGINEER

SSS – AUTOMATION

MADURAI

**DATE**    : 27-03-2024
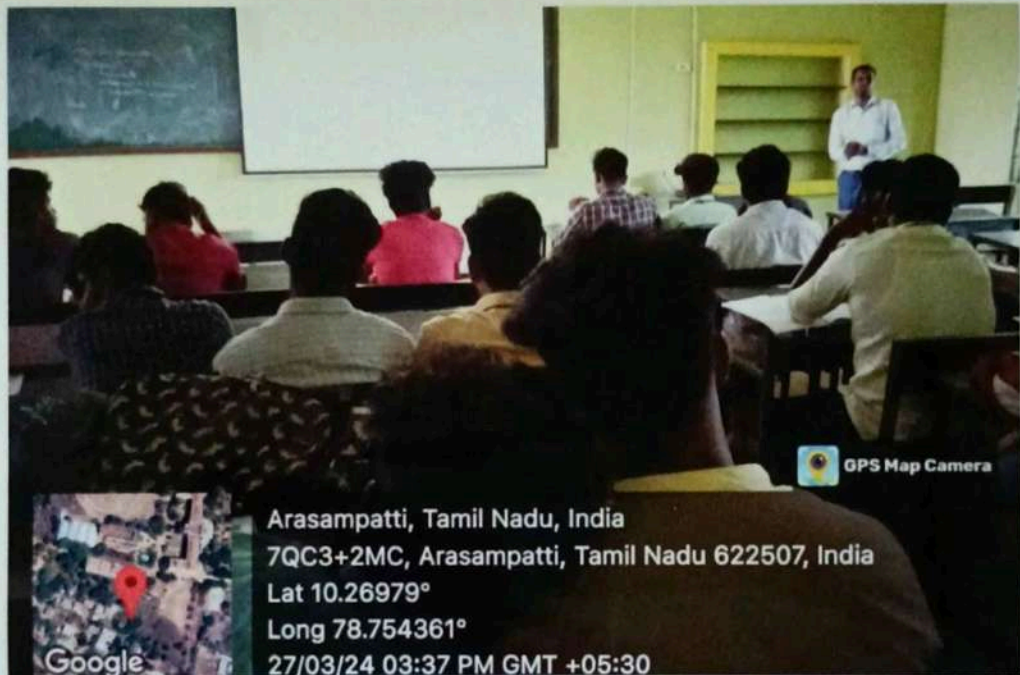
**TIME**    : 03:55 p.m.

**VENUE**   : Smart Room (EE107)

## ASSOCIATION ACTIVITY REPORT MARCH 2024
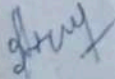
| Name of the Activity | | | Guest Lecture |
|---|---|---|---|
| Title of Activity | | | "Industrial automation – *Future of all Industries*" |
| Department | | | EEE |
| Date/Time | 27.03.2024/03.55pm | venue | EE107 |



Arasampatti, Tamil Nadu, India
7QC3+2MC, Arasampatti, Tamil Nadu 622507, India
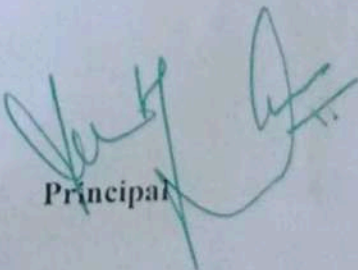Lat 10.26979°
Long 78.754361°
27/03/24 03:37 PM GMT +05:30

**Presented by:**

Guest lecture on "Industrial automation-*future of all industries*" was delivered by Mr.Siva Quality engineer from SSS Automation Madurai. During this lecture he discussed achievement in automation by various means including mechanical, electrical, electronic devices and computers. He described a wide range of technologies that reduce human intervention. He also delivered applications of automation in telephone networks. stabilization of ships, aircraft and vehicles.

About 40 students and EEE department faculties are participated in this seminar talk. The Seminar was ended with the vote of Thanks by the student M.Arun, Final year EEE.

HoD/EEE

Principal

## _INVITATION_

Office bearers and members of the **EEE Association**

## _DAZZLERS_

Cordially invites you for the

GUEST LECTURE ON

**"GATE AWARENESS PROGRAMME"**

## Presented by

MR. M.VENKATESHWARAN

MENTOR

SRI KRISHNA ENGINEERING ACADEMY

TRICHY

**DATE** : 03-04-2024

**TIME** : 03:30 p.m.

**VENUE** : Smart Room (EE107)

## ASSOCIATION ACTIVITY REPORT MARCH 2024
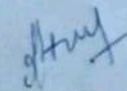
| Name of the Activity | | | Guest Lecture |
|---|---|---|---|
| Title of Activity | | | "Gate awareness programme" |
| Department | | | EEE |
| Date/Time | 03.04.2024/03.55pm | venue | EE107 |



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**Presented by:**

Guest lecture on "Gate awareness programme" was delivered by Mr.M.Venkateshwaran Mentor from Sri Krishna Engineering Academy Trichy. During this lecture he explained the importance of Gate examination and its advantages. He discussed the nature of questions asked in the exam , preparation strategy and also future opportunities after clearing the Gate examination.

About 40 students and EEE department faculties are participated in this seminar talk. The Seminar was ended with the vote of Thanks by the student K.Ganesan, Third year EEE.

**HoD/EEE**

**Principal**

**ACEDEMIC YEAR –2023-2024 (EVEN SEMESTER)**

**DEPARTMENT ACTIVITIES**                    Date: 12-03-2024
**(IQAC REPORT)**

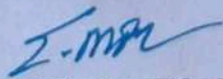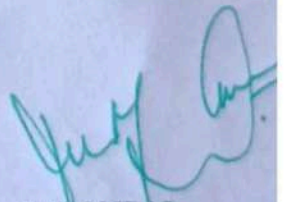**CERTIFICATE COURSE FOR III YEAR STUDENTS**

The Department of Mechanical Engineering has organized certificate course on "SOLID WORKS" for final year students in Association with CADD CENTRE, Pudukkottai. The inaugural function was held on 12.03.2024 at Computer Aided Design Laboratory. Dr.E.Mohan, HOD/MECH, deliver a welcome address, which typically involves greeting the audience, introducing the purpose of the course, acknowledging the gathering and Mr.M.Anto Alosius proposed the vote of thanks at the end of the event.



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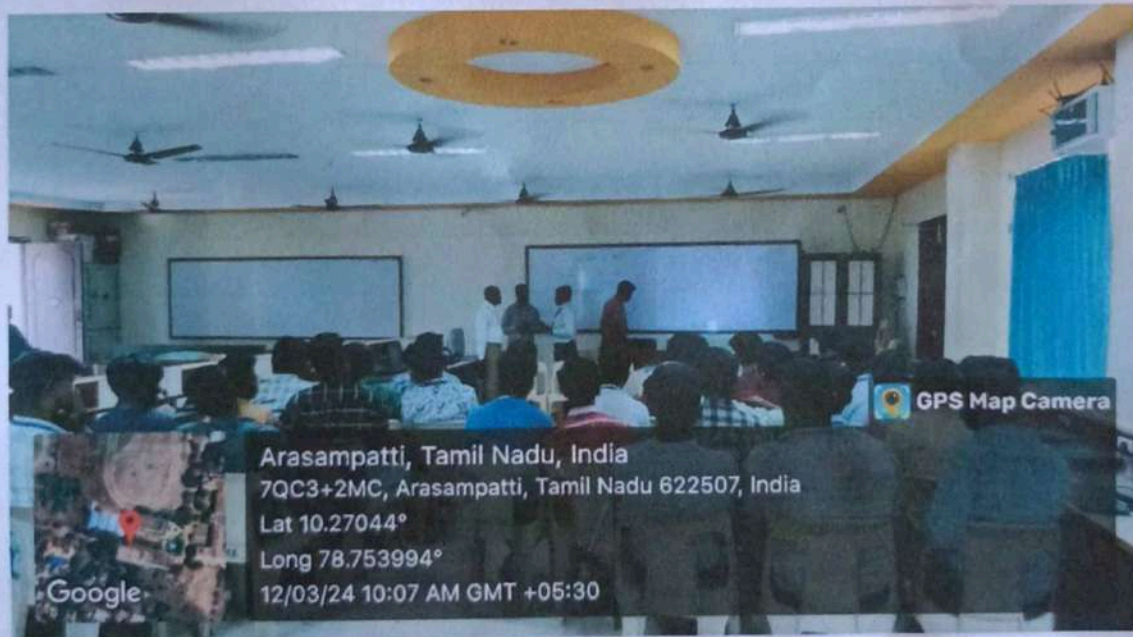
Introductory session of "SOLID WORKS" Certificate course

HOD/MECHANICAL                                                         PRINCIPAL

**ACEDEMIC YEAR -2023-2024 (EVEN SEMESTER)**

**DEPARTMENT ACTIVITIES**               Date: 20-03-2024
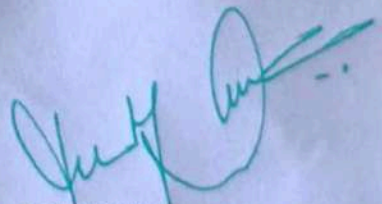**(IQAC REPORT)**

**CERTIFICATE COURSE FOR IV YEAR STUDENTS**

The Department of Mechanical Engineering has organized certificate course on "ESSENTIALS IN CATIA" for final year students in Association with CADD CENTRE ,Pudukkottai. The inaugural function was held on 20.03.2024 at Computer Aided Design Laboratory. Dr.E.Mohan, HOD/MECH, deliver a welcome address, which typically involves greeting the audience, introducing the purpose of the course, acknowledging the gathering and Mr.S.Regupathy proposed the vote of thanks at the end of the event.



Introductory session of "ESSENTIALS IN CATIA" Certificate course

**HOD/MECHANICAL**

**PRINCIPAL**

**ACEDEMIC YEAR -2023-2024 (EVEN SEMESTER)**
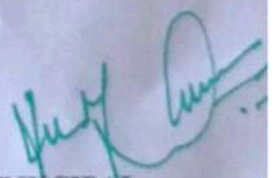**DEPARTMENT ACTIVITIES**          Date: 15-04-2024
**(IQAC REPORT)**

**CERTIFICATE COURSE FOR II YEAR STUDENTS**

The Department of Mechanical Engineering has organized certificate course on "AUTOCAD" For second year students in Association with CADD Centre, Pudukkottai. An AutoCAD certificate course provides structured learning and practical experience in using AutoCAD for design and drafting. Whether you're a beginner looking to start or an experienced user aiming to upgrade your skills, such a course can be instrumental in achieving your career goals in CAD-related fields. Researching and choosing the right course tailored to your needs and career aspirations is crucial for maximizing the benefits of certification. The inaugural function was held on 15.04.2024 at Computer Aided Design Laboratory. Dr.E.Mohan, HOD/MECH, welcomed the gathering. Mr.JB.Arunpandiyan proposed the vote of thanks.
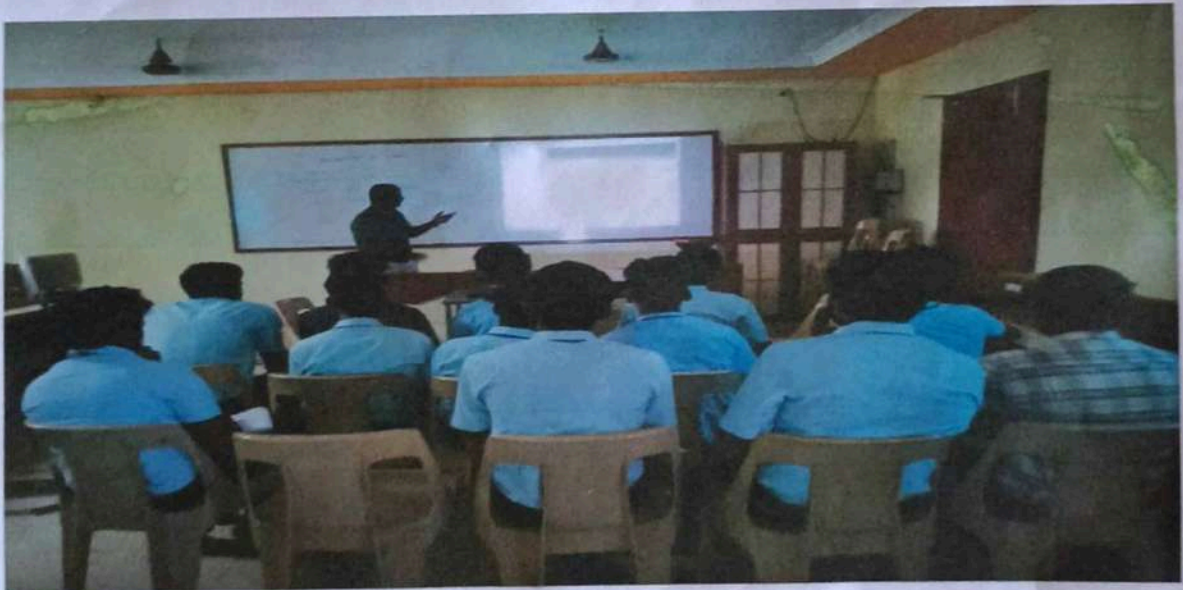


Introductory session of "AUTOCAD" Certificate course

HOD/MECHANICAL                                              PRINCIPAL

# SHANMUGANATHAN ENGINEERING COLLEGE
## ARASAMPATTI – 622 507

## AWARENESS PROGRAM ON BLOOD DONATION AND BLOOD DONATION CAMP

YRC/RRC Cell of our college, Government Hospital – Thirumayam and Government Blood Bank-Aranthangi jointly organized an Awareness Program on Blood Donation and Blood Donation Camp on 28.05.2024, Tuesday at 09.30 a.m.



Dr.Kiruba Shankar MS, - Government Hospital - Thirumayam,
Dr. Radha Krishnan, D.Ortho.- Blood Bank Medical Officer - Government Hospital Aranthangi were seen in the event.

## YOGO CAMP

NSS volunteers and students are participated in YOGO on 03-06-2024 at our shanmuganathan engineering college auditorium, arasampatti. Dr.N.Vennila HoD/ S&H, addressed the students on the importance of yoga NSS PO Mr. K.Perumal AP/Mech welcomed all participants and introduced the chief guest, Mr. Kumar YOGO Trainer brief overview of the significance of International Day of Yoga.



The Yoga Session to conduct by certified yoga instructor(s). Different yoga asanas and pranayama techniques were demonstrated and practiced. Emphasis on relaxation and mindfulness.

The International Day of Yoga celebration was a resounding success, fostering a sense of community and promoting the practice of yoga among NSS volunteers and participants. The event concluded with a renewed commitment to integrating yoga into daily life for holistic health and well-being.



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