

DEPARTMENT OF SCIENCE AND HUMANITIES SHANMUGANATHAN ENGINEERING COLLEGE





First Year Association Schedule

SI. No.	Date	Name of the Club	Name of the Faculty In-charge
1	15-03-2024	English Language Club	Mr.T.Johnson, AP/S&H Mrs.A.Annurose, AP/S&H
2	22-03-2024	Science Club	Dr.N.Manikandan, ASP/S&H Mr.N.Kannan, AP/S&H
3	05-04-2024	Mathematics Club	Mrs.M.Nalini, AP/S & H Mrs.R.Umamaheswari, AP/S&H
4	12-04-2024	Tamil Language Club	Dr.A.Arulsamy, AP/S&H Mr.T.Johnson, AP/S&H
5	26-04-2024	English Language Club	Mr.T.Johnson, AP/S&H Mrs.A.Annurose, AP/S&H
6	03-05-2024	Science Club	 Dr.N.Manikandan, ASP/S&H Mr.N.Kannan, AP/S&H
7	10-05-2024	Mathematics Club	Mrs.M.Nalini, AP/S & H Mrs.R.Umamaheswari, AP/S&H
8	24-05-2024	Tamil Language Club	Dr.A.Arulsamy, AP/S&H Mrs.A.Annurose, AP/S&H
9	31-05-2024	Association Valedictory	1) Dr.N.Manikandan, ASP/S&H 2) Mr.T.Johnson, AP/S&H 3) Mrs.M.Nalini, AP/S & H

W- HOD 9/3/24

Principa





ASSOCIATION ACTIVITIES

Title of the activity

Technical Seminar

Date

06.10.2023

Time

3.50pm to 4.45pm

Venue

Seminar Hall (LH106)

S.No	Name of the student	Topic
E.	Ms. E. Nithyadharshini CSE (Al&ML)	MI - Camera

Activity Report:

E. NithyaDarshini, a student of B.E. I-Year/Sec-A, presented the process description in the session on CCTV Camera MI = CAMERA. She meticulously described the configuration, features, working process and its advantages in this session. It helped the students to understand the hidden/CCTV camera's parts and working process.



N HODS&H





ASSOCIATION ACTIVITIES

Title of the activity

Technical Quiz

Date

06.10.2023

Time

3.50pm to 4.45pm

Venue

Seminar Hall (LH106)

S.No	Name of the student	Topic
1	Ms. Ishwarya CSE (AI&ML)	Technical Quiz

Activity Report:

Ms. Ishwarya student of I-Year/Sec-A conducted a technical quiz for first year students. It enhances the technical knowledge of the students. Students were actively participated the event.



Hod/S&H





ASSOCIATION ACTIVITIES

Title of the activity

Technical Seminar

Date

13.10.2023

Time

3.50pm to 4.45pm

Venue

Seminar Hall (LH106)

S.No	Name of the student	Topic
1	Ms. S. Subikshalakshmi (CSE)	Oil Production Process

Activity Report:

Ms.S. Subikshalakshmi, students of B.E. IYEAR / SECTION B, presented a Process Description on OIL - Production. It enabled the students to be familiar with the process of how crude oil is processed to bring petrol, diesel etc.,



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ASSOCIATION ACTIVITIES

Title of the activity

Mathematical Puzzle

Date

13.10.2023

Time

3.50pm to 4.45pm

Venue

Seminar Hall (LH106)

S.No	Name of the student	Topic
1	Ms. C. Nanthini (CSE)	Mathematical Puzzle

Activity Report:

Ms.C. Nanthini student of I-B.E CSE, conducted a Mathematical Puzzles to enhance the problem solving ability of the students. The first year students from various departments took part in this event and got benefitted.



N. U.J.





ASSOCIATION ACTIVITIES

Title of the activity

Students Seminar

Date

20.10.2023

Time

3.50pm to 4.45pm

Venue

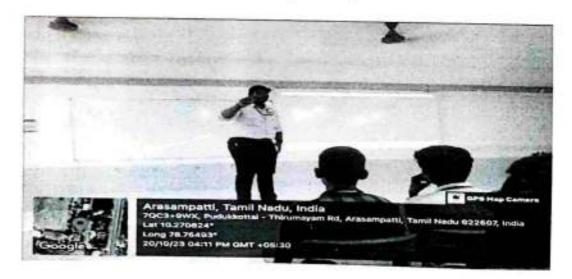
: Seminar Hall (LH106)

S. No	Name of the student	Topic
1	Mr. R. Rajalakshmanan(ECE)	
2	Mr. V. Billclinton (MECH)	Hacking

8

Activity Report:

Mr. R. Rajalakshmanan and Mr. V. Billclinton students of I-Year/Sec-C handled the session in various HACKING methods. It was an eye opening programme to the students. The students were very much impressed and got awareness about the hacking technology.



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ASSOCIATION ACTIVITIES

Title of the activity

Technical Seminar

Date

20.10.2023

Time

3.50pm to 4.45pm

Venue

Seminar Hall (LH106)

S.No	Name of the student	Topic
1	Ms. Katheeja (ECE)	History of Computers and i
2	Ms. N. Priyadharshini (ECE)	
3	Ms. Madhubala (ECE)	Developments
4-	Ms. Sangavi (ECE)	

Activity Report:

Ms. M. Katheeja, Ms. Priyadharshini, Ms. Madhubala and Ms. M. Sangavil-Year ECE. have presented the session on History of Computers and its Developments. Through this seminar students gained knowledge on the development of software, hardware and miniaturization of computers.



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ASSOCIATION ACTIVITIES

Title of the activity

Technical Seminar

Date

20.10.2023

Time

3.50pm to 4.45pm

Venue

Seminar Hall (LH106)

S. No	Name of the student	Topic
1	Ms. P. Swetha (ECE)	Hazard Management
2	Ms. K. Santhiya (ECE)	Trazard Wasiagement

Activity Report:

Ms.P. Swetha& Ms. K.Santhiya I year B.E., ECE presented a paper titled Hazard Management.

They explained the cause and effects of hazards and pointed out various types of hazard management.









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 Engineer 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.



Nolly Hop/s&H





ASSOCIATION ACTIVITIES

Title of the activity

Technical Quiz

Date

10.11.2023

Time

3.50pm to 4.45pm

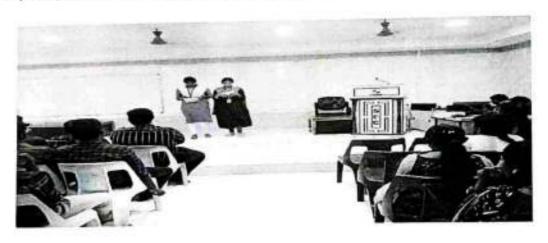
Venue

Seminar Hall (LH106)

S. No	Name of the student	Topic
1	Ms. C. Jaya Dharsini	Technical Quiz
2	Ms. S. Subikshalakshmi	

Activity Report:

Ms. C. Jaya Dharsini and S. Subikshalakshmi, students of B.E. I YEAR / SECTION B conducted a Quiz - programme on Science and Technology. It was conducted commonly, in which all branch students participated and there was overwhelming response from the students.



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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	Topic
	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.



N. J.





ASSOCIATION ACTIVITIES

Title of the activity

Technical Seminar

Date

01.12.2023

Time

3.50pm to 4.45pm

Venue

Seminar Hall (LH106)

S.No	Name of the student	Topic	
1	Mr. Kaleeshwara (Mech)	BSE in vehicle	
2	Mr. Saranraj (Mech)		
3	Mr. Jaishnu (Mech)		
4.	Mr. Nithishkumar (EEE)		

Activity Report:

Mr. Kaleeshwara, Mr. Saranraj and Mr. Jaishnu from Mechanical and Mr. Nithishkumar EEE took a seminar on the development of BSE engines in heavy vehicles and its advantages over one another.



HODSAH





ASSOCIATION ACTIVITIES

Title of the activity

Technical Seminar

Date

01.12.2023

Time

3.50pm to 4.45pm

Venue

Seminar Hall (LH106)

S. No	Name of the student	Topic
1	Mr. Rajalakshmanan (ECE)	Artificial Intelligence and its
		importance

Activity Report:

Mr. Rajalakshmanan I Year BE ECE discussed the need and importance of Artificial intelligence.During the session he explained the origin, significance of AI technique and its limitations. The students from first year BE took part in this event.



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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
Ĭ.	Dr. K.L. Muthuramu,	Self Behavioural Strategies
	The Principal, SEC	Sell Bellavioural 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.



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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
	Dr. A. Bharathi RaniAP/Tamil	
1	(Tamil Research Centre),	Self-Empowerment Strategies
	Alagappa Government Arts College	

Activity Report:

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Dr. Bharathi Rani, AP/Tamil (Tamil Research Centre), AlagappaGevernment Arts 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.



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Title of the activity

: English Language Club

Date

: 15-03-2024

Time

: 3:50 pm - 4:40 pm.

Venue

: SEMINAR HALL (LH-06)

Sl. No	Resource person	Topic of Seminar	
1	Ms. Abinaya Sri	Intelligence Quotient	

ACTIVITY REPORT:

Ms.G. Abinayasri students of 1-Year B.E., Al&ML presented a topic on Intelligence Quotient. She explained about different types of IQ's and its importance with examples. First year students from various departments got benefitted.



NHOD/S&H





Title of the activity

: Technical Seminar

Date

: 22-03-2024

Time

: 3:50 pm - 4:40 pm.

Venue

: SEMINAR HALL (LH-06)

Sl. No	Resource person	Topic of Seminar
1	Ms. R.M. Swetha	Outside the Paris
	Ms. P. Uma	Optoelectronic Devices

ACTIVITY REPORT:

Ms.R.M. Swetha and Ms.P. Uma from I-Year B.E AI&ML presented a seminar on optoelectronics devices. They made a clear idea about the different kinds of optoelectronic devices and their applications. The first year students from various departments took part in the event.



N-SS&H





Title of the activity

: Book Review

Date

: 12-04-2024

Time

: 3:50 pm - 4:40 pm.

Venue

: SEMINAR HALL (LH-06)

Sl. No	Resource person	Topic of Seminar
1	Ms. K. Vishalini	Optoelectronic Devices

ACTIVITY REPORT:

Ms. K.Vishalini from I-Year B.E Al&ML presented a topic on Book Review. She explained about the importance of book reading and reviewing the books. The first year students from various departments took part in the event.



HOD/S&H



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



1. Brown Q ASSOCIATION CO-ORDINATOR

HoD/CIVIL





DATE: 03.07.2023 to 14.07.2023

Venue: Thabasumalai

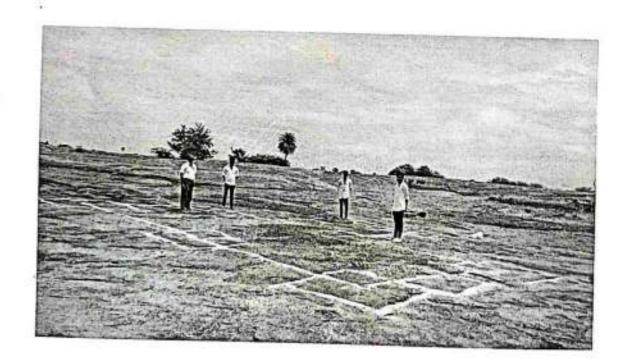
SURVEY CAMP

Student Strength: 10

List of Faculties attended:

- 1. Dr.D.Selvakumar, Professor/CE
- 2. Dr.P.Janaki, Asso. Prof/CE
- 3. Mr.V.Balakrishnan,AP/CE
- 4. Mrs.J.Jaya,AP/CE
- 5. Ms.AN.Muthuckannal,AP/CE

TOPIC: CONTOUR MAPPING AND AREA PLOTTING



ASSOCIATION CO-ORDINATOR

CHOD/CIVIL



DEPARTMENT OF CIVIL ENGINEERING

SHANMUGANATHAN ENGINEERING COLLEGE

ARASAMPATTI - 622 507



INDUSTRIAL VISIT REPORT

Name of Industry/Company

: Ultratech Concrete Manufacturing Plant

Address

: Ultratech Industries, Binanipuram Road, Edayar,

Kerala 683502.

Date of visit

: 29.09.2023

No. of Students

: 25

No. of Faculty

: 02

Profile of the Company:

UltraTech is the largest manufacturer of cement and ready mix concrete (RMC) and one of the largest manufacturers of white cement in India. It is the third largest cement producer in the world, excluding China. UltraTech is the largest manufacturer of concrete in India.

UltraTech is the only cement company globally (outside of China) to have 100+ MTPA of cement manufacturing capacity in a single country. UltraTech has a consolidated capacity of 119.95 Million Tonnes Per Annum (MTPA) of grey cement. UltraTech has 22 integrated manufacturing units, 27 Grinding units, one Clinkerisation unit and 8 Bulk packaging



ASSOCIATION COORDINATOR

HoD-CIVIL



DEPARTMENT OF CIVIL ENGINEERING

SHANMUGANATHAN ENGINEERING COLLEGE

ARASAMPATTI - 622 507



INDUSTRIAL VISIT REPORT

Name of Industry/Company : Ultratech Concrete Manufacturing Plant

Address : Ultratech Industries, Saravanampatti, Coimbatore,

Tamil Nadu.

Date of visit : 07.10.2023

No. of Students : 10

No. of Faculty : 02

Profile of the Company:

UltraTech is the largest manufacturer of cement and ready mix concrete (RMC) and one of the largest manufacturers of white cement in India. It is the third largest cement producer in the world, excluding China. UltraTech is the largest manufacturer of concrete in India.

UltraTech is the only cement company globally (outside of China) to have 100+ MTPA of cement manufacturing capacity in a single country. UltraTech has a consolidated capacity of 119.95 Million Tonnes Per Annum (MTPA) of grey cement, UltraTech has 22 integrated manufacturing units, 27 Grinding units, one Clinkerisation unit and 8 Bulk packaging





ASSOCIATION COORDINATOR

Hob-CIVIL



DEPARTMENT OF CIVIL ENGINEERING

SHANMUGANATHAN ENGINEERING COLLEGE

ARASAMPATTI - 622 507



INDUSTRIAL VISIT REPORT

Name of Industry/Company : Wastewater Treatment Plant

Address : Wastewater Treatment Plant, Rajapalayam Municipality

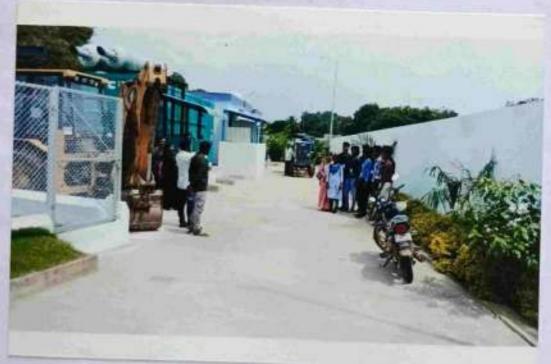
Virudhunagar district, Tamil Nadu.

Date of visit : 29.10.2023

No. of Students : 10

No. of Faculty : 02

Effluent Treatment Plant – ETP is used for treatment of wastewater which comes from different manufacturing industries where different types of chemicals and dyes are used to treat the materials. The clarifier separation the treated slurry from clean water. The sludge settels down and clean water at the top flows down to the cooling tower from where it content in this water must not be greater than 100ppm. The clarifier has a racker arm which extracts the sludge out of clarifier.



Visited at Wastewater Treatment Plant Tamil Nadu

ASSOCIATION COORDINATOR

THOD-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





CIVIL ENGINEERING ASSOCIATION SEMINAR-03

DATE: 19.02.2024

Venue: Hall No 209 at 3.55PM TO 4.45PM

TODAY PRESENT STUDENTS

1. JEROME VIJAY III YEAR

TOPIC: SOLAR BUILDINGS



ASSOCIATION CO-ORDINATOR





DATE: 12.03.2024 TO 14.03.2024

VENUE: SEC GROUND

THREE DAY WORKSHOP ON TOTAL STATION AND GPS SURVEYING

1. Dr. Thomas and Team

TOPIC: AREA PLOTTING USING TOTAL STATION



Mattle AC Association co-ordinator

THOD/CIVIL



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING SHANMUGANATHAN ENGINEERING COLLEGE ARASAMPATTI - 622 507



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

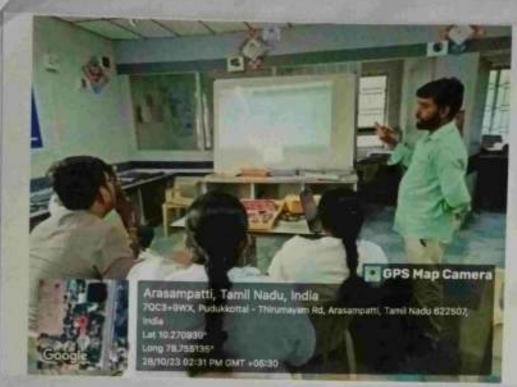
Summary of the Topic Covered

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

- On Board Features Arduino Uno, NodeMCU,12-5V Buck Converter.
- 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).
- Home automation control the light via Relay.
- 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

HOD-CSE

Head of the Department Pesatment of Computer Science and Engineering Sharmuganathan Engineering College Arasampatti - 622 597



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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

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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 LESE

Head of the Department Department of Computer Science and Engineering Sharmuganathan Engineering College Arasampetti + 622 507 PRINCIPAL

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 en incering.

Amrita Scholl of computing, Amrita Vishwa Vi lyapeetham.

Date

: 29.08.2023

Target Audience

: IV Year Students

Number of Students / Staff

: 43 / 6

Venue

: 106

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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 , ivate 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.

E CEST DOH

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

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Activity - Report

Name of Activity

: Workshop

Title of the Workshop

: The Future of Front - End Development Building

with REACT

Name of the Resource Person

: Mr. C. Balaguru & Mr. V. Renganathan

Designation and Address

: Senior Programmer

MARCELLO TECH

Sankaran Pillai Road, Tiruchirappalli.

Date

: 23.03.2024

Target Audience

: Third Year CSE students

Number of Students

: 57

Venue

: Computer Science Lab III

Summary of the Workshop

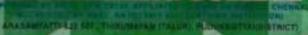
The resource person C. Balaguru explained the basics and importance about REACT

The resource person demonstrated about REACT, JavaScript and its features. He also covered the following concepts Layout Design. Front End and Back End Connection with JS.

The third-year students utilized the Workshop and they build their REACT knowledge by learning REACT JS, to provide services and layout by REACT and to provide security for the cloud.



SHANMUGANATHAN ENGINEERING COLLEGE





Internal Quality Assurance Cell (IQAC) and

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

workshop on

The Future of Front - End Development: Building with REACT

C.BALAGURU V.RENGANATHAN SENIOR PROGRAMMER PROGRAMMER

PROGRAMMER MARCELLO TECH 3. Sankaran pillal road TRICHY - 2

DATE: 23/3/2024

A BOYCE ASSOCIATION ACTIVITY

Workshop on "REACT" by C. Balaguru

Holl CSE

Head of the Department

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Shanmuganathan Engineering College

Arasampatti - 622 507

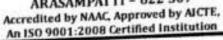
PRINCIPAL

Shanmuganathan Engineering College Arasampatti - 622 507



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING SHANMUGANATHAN ENGINEERING COLLEGE

ARASAMPATTI - 622 507





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

43

: 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, Al/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. Attached are some pictures of the webinar, showcasing the engaged students and the speaker's presentation slides.



- Overall, the Fundamentals of Al 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 Al.
- The webinar successfully conveyed the importance of Al 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 Al and its applications.

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

PRINCIPAL

Shanmuganathan Engineering College Arasampatti - 622 307



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ARASAMPATTI - 622 507

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Activity - Report

Name of Activity

: Webinar

Title of the Lecture

: Machine Learning

Name of the Resource Person

: Mr. S. Ramprakash

Designation and Address

: Assistant Professor, University College of

Engineering, Thirukkuvalai Campus, Nagapattinam

Date

: 26.04.2024

Target Audience

: II- & III-Year students

Number of Students / Staff

: 112/8

Venue

: Smart class Room (Room No.406)

Summary of the Lecture

:

Mr. S. Ramprakash gave a Webinar on "Machine Learning" and basic introduction about Natural language Processing. He gave a clear Idea of what is Natural Language Processing, functional areas and its goals.

He discussed the Various Industrial Applications of NLP. He then explained about the Business goals. He illustrated the different Applications of natural language processing like Anomaly detection, Document search optimization, Resume screening and Text summarization. Finally he ended up the session with providing more information on practical applications of natural language processing.

The major topics covered in the webinar were Industrial Applications of Natural language processing, Emotional intelligence, conversation analysis and Market intelligence.



Webinar: Mr. S. Ramprakash AP/ CSE explained about Machine Learning.

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Head of the Department
Department of Conquer Science and Engreening
Sharmuganathan Engineering College
Acasampatti - 622 507

PRINCIPAL

Shanmuganathan Engineering College Arasampatti - 622 502

Summary

Name of the Event : Technical Seminar

Topic : ITwin technology, Blockchain technology, Biochip technology,

Cloud computing, Micro LED display Automatic Paper battery

Date : 18.08.2023

Presenter: M. Venkatachalam, P.Vigneshwaran

K.Ellaikaruppan, S.Sanmathi S, P.Srinithi

Report

The third association activity is held on 18.08.2023, Friday in ECE Seminar hall, Room no. 315. The students from third year Mohamed Abdulla I, Vigneshwaran P, Ellaikaruppan K, Sanmathi S, Srinithi P reveal "TECHNICAL SEMINAR" on the topic of 1Twin technology, Blockchain technology, Biochip technology, Cloud computing, Micro LED display Automatic Paper battery interaction respectively to convey acquired facts to improve the student's professional knowledge.



M. Venkatachalam presented in the topic "ITwin technology"



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING SHANMUGANATHAN ENGINEERING COLLEGE

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IQAC REPORT OF DEPARTMENT ACTIVITIES FOR THE MONTH AUGUST 2023 TECHNICAL ASSOCIATION ACTIVITITY-1

Summary

Name of the Event

: Poster Presentation

Topic

: 5G wireless technology, Orange Pi, Mechatronics,

Raspberry Pi Unified payment interface (UPI)

Date

: 04.08.2023

Presented By

: Third Year Students

Report

Department of Electronics and Communication Engineering and IQAC organized a Poster presentation for third year and final year students on 04.08.2023 at Simulation Lab. Totally 5 batches of third year students actively participated in the event. Students from final year along with faculty members visited with excitement to get knowledge from this event and asked their doubts. Second year students showed their posters in the topic of 5G wireless technology, Orange Pi, Mechatronics, Raspberry Pi Unified payment interface (UPI).



Hariprabu S and team, third year explained their poster to faculty members

Summary

Name of the Event : Technical Seminar

Topic : ITwin technology, Blockchain technology, Biochip technology,

Cloud computing, Micro LED display Automatic Paper battery

Date : 25.08.2023

Presenter: S.Hariprabu, P.Nandhini, P.Sarojadevi

J.Ganesh , V.Atchaya , Pl. Veeramani

Report

The fourth association activity is held on 25.08.2023, Friday in ECE Seminar hall, Room no. 315. The students from third year S.Hariprabu, P.Nandhini, P.Sarojadevi, J.Ganesh, V.Atchaya, P.L.Veeramani reveal "TECHNICAL SEMINAR" on the topic of Wireless Charging, Li-Fi Technology, Nano electronics, Under Water Communication, Cloud Computing, Exploring the Boundaries of VR and AR interaction respectively to convey acquired facts to improve the student's professional knowledge.



PL.Veeramani presented in the topic "Exploring the Boundaries of VR and AR"

HoD/ECE

Head of the Department
Department of Electronics and
Communication Engineering
SHARMUGANATHAN ENGINEERING COLLEGE
ARASAMPATTI . 522507

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING SHANMUGANATHAN ENGINEERING COLLEGE

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IOAC REPORT OF DEPARTMENT ACTIVITIES FOR THE MONTH SEPTEMBER, OCTOBER & NOVEMBER 2023

TECHNICAL ASSOCIATION ACTIVITITY-5

Summary

Name of the Event

: Technical Seminar

Topic

: MIMI Antenna, Wireless Communication, AI & ML

Date

: 22.09.2023

Presenter

: S.Rajeshwaran, M.Harishmaran, S.Karthikeyan

Report

ECE association activity is held on 22.09.2023, Friday in ECE Seminar hall, Room no. 315. The students from final & third year S.Rajeshwaran, M.Harishmaran, S.Karthikeyan reveal "TECHNICAL SEMINAR" on the topic of MIMI Antenna, Wireless Communication, AI & ML interaction respectively to convey acquired facts to improve the student's professional knowledge.



S.Rajeshwaran presented in the topic "Al & ML"

Summary

Name of the Event

: Internal Lecture

Topic

: FIR Filters

Date

: 27.10.2023

Resource Person

: Mr.SP.Senthil Kumar, Assistant Professor/ECE

Report

ECE association activity is held on 27.10.2023, Friday. The faculty from ECE department SP.Senthil Kumar, Assistant Professor reveal "INTERNAL LECTURE" on the topic of FIR Filters interaction respectively to convey acquired facts to improve the student's professional knowledge.



Mr.SP.Senthil Kumar, Assistant Professor presented in the topic "FIR Filters"



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Arasampatti - 622 507, Thirumayam (Taluk), Pudukkottai (District).

Department of Electronics and Communication Engineering & Internal Quality Assurance Cell

presents



04 NOV 2023

CHIEF PATRONS

"KALVIVALLAL"

Mrs.PICHAPPA VALLIAMMAI

CHAIRPERSON

Dr.PICHAPPA MANIKANDAN

CORRESPONDENT

Thiru,M.VISWANATHAN

SECRETARY

PATRON

Dr.KL.MUTHURAMU,

ME(WR),ME(SE),Ph.D.,FIE, MISTE

Principal

CONVENOR

Dr.A.MUTHU MANICKAM, AP/ECE

HEAD OF THE DEPARTMENT

CO-CONVENORS

Mr.SP.SENTHIL KUMAR, AP/ECE

ORGANISING COMMITTEE

Mrs.D.LATHA, AP/ECE

Mrs.A.REVATHI, AP/ECE

Mrs.M.SIVAGAMI, AP/ECE

Mrs.LGAYATHRI, AP/ECE

To.

The Head of the Department/ECE

Dear Sir/Madam.

Sub.: Invitation for National Level Technical Symposium - Reg.

We solicit your patronage and co-operation for the National Level Technical Symposium "SPECTRA'23" to be conducted by "WAVES", the Association of Electronics and Communication Engineers of our college on 04th November 2023

Please find enclosed herewith, the information postercontaining the details of the symposium and guidelines for the participants.

We request you to give wide publicity about this symposium in your department/institute. Kindly persuade your students to come forward for participation in symposium.

Thanking you,

With Regards,

Dr.A.MUTHU MANICKAM, HoD/ECE

Hend of the Department
Department of Electronics and
Communication Engineering
SWARWUGANATMAN ENGINEERING COLLEGE
ARASAMPATTI - \$22507. Pudukhottal Dt



Students observing the symposium Interaction the program



Dr.A.Muthu Manickam, HoD/ECE distributed cash award and certificates to the winners

DO 11/2023

HoD/ECE

Head of the Department
Department of Electronics and
Communication Engineering
SERREUGABITHAN ENGINEERING COLLEGE
ARASAMPATTI - 622507. Pudubbattal Dt

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SHANMUGANATHAN **ENGINEERING COLLEGE**

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INVITATION

IQAC & DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

cordially invites you to the

National Level Technical Symposius

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

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



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING SHANMUGANATHAN ENGINEERING COLLEGE (Accredited by NAAC, Approved by AICTE, An ISO 9001:2015 Certified Institution) ARASAMPATTI - 622 507



"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	P
2	Mr.SP.Senthilkumar, AP/ECE	Q dilles
3	Mrs.D.Latha, AP/ECE	D. Luhalli
4	Mrs.M.Sivagami, AP/ECE	4 . 1 . 4
5	Ms.A.Revathi, AP/ECE	dund they ha
6	Ms.I.Gayathri, AP/ECE	Quarketter

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Association Activities Faculty in charge

PA(1/2)

HoD/ECE

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Department of Electronics and
Communication Engineering
SHARMUGANATMAN ENGINEERING COLLEGE
ARASAMPATTI - 622307. Pudubbottal Dt



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IQAC REPORT OF DEPARTMENT ACTIVITIES FOR THE MONTH FEBRUARY 2024 TECHNICAL ASSOCIATION ACTIVITITY-1

Summary

Name of the Event

: Technical Quiz

Topic

: Electronics and Communication Engineering

Date

: 02.02.2024

Presented By

: S.Rajeshwaran & J.Ganesh

Report

The First association activity is held on 02.02.2024, Friday in ECE Seminar hall, Room no. 315 Third Year and Final Year students and all faculties from department of ECE attended the function. J.Ganesh ans S.Rajeshwaran conducted the "TECHNICAL QUIZ" and asked many questions based on ECE subjects to improve the student's professional knowledge. The technical quiz had an interaction session, students had interested to answer the asked questions and also benefited to enrich their knowledge. Based on four rounds, final year ECE students won the first place and third year ECE students got second place. The meeting has been ended with positive notes by the final year student P. Karthika.



Summary

Name of the Event

: Internal Lecture

Topic

: Satellite Orbit

Date

: 23.02.2024

Presenter

: Mr.SP.SenthilKumar,

Assistant Professor /ECE

Report

The Fourth association activity is held on 23.02.2024, Friday in ECE Seminar hall, Room no. 315. Internal lecture given by Mr.SP.SenthilKumar, Assistant Professor department of ECE on the topic of Satellite Orbit interaction respectively to convey acquired facts to improve the student's professional knowledge.



Mr.SP.SenthilKumar, Internal Speaker delivered a Lecture

HoD/ECE

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

1 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

Summary

Name of the Event

: Poster Presentation

Topic

: Lifi Data Transfer System, MIMO system, 5G technology,

Mechatronics, Raspberry Pi

Date

: 10.05.2024

Presented By

: Second Year Students

Report

Department of Electronics and Communication Engineering and IQAC organized a Poster presentation for second year students on 10.05.2024 at Simulation Lab. Totally 5 batches of third year students actively participated in the event. Students from second year along with faculty members visited with excitement to get knowledge from this event and asked their doubts.



Amutha Rajeswari.S and team, second year explained their poster to faculty members

HoD/ECE

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SHANMUGANATHAN ENGINEERING COLLEGE ARASAMPATTI - 622 507



ASSOCIATION ACTIVITY REPORT AUGUST 2023

Name of the Activity Title of Activity Department		Guest Lecture Capsule Camera	
		Date/Time	16.08.2023/03.55pm



Presented by:

MR.M.Mahibalan, AP/EEE.

A guest lecture on "CAPSULE CAMERA" was delivered by Mr.M.Mahibalan, AP/EEE. During this lecture, he discussed about the needs of capsule camera, the use case of capsule camera in bio-medical engineering, advanced features of capsule camera, merits and demerits of capsule camera and applications of capsule camera.

In general students enhanced knowledge about capsule camera. About 40 students and EEE department faculties are participated in the lecture. The Guest Lecture was ended with the vote of Thanks by the student M.Sneha, Final year EEE.

HoD/EEE



SHANMUGANATHAN ENGINEERING COLLEGE ARASAMPATTI - 622 507



ASSOCIATION ACTIVITY REPORT AUGUST 2023

Al Fals Astivity	Technical Seminar
Name of the Activity Title of Activity	Renewable energy sources & Myanmar Cyclone
Department	EEE
Department 24.08.2023/03.55pm venue	EE107



Presented by:

Seminar on "Renewable energy sources" was delivered students M.Arun and V.Sundarapandiyan and Seminar on "Myanmar Cyclone" as well was delivered by C.Subramaniyan and C.Alagappan. During this lecture, they discussed about the types of renewable energy sources, How each energy source power plant works and Merits & Demerits of all the renewable energy sources.

The next batch of students presented Myanmar cyclone 2008 – A case study, effects of the cyclone, due to the disaster how the life of common people affected and remedies Myanmar government took to normalise common people life. About 40 students and EEE department faculties are participated in the lecture. The Guest Lecture was ended with the vote of Thanks by the student M.Abdul kadhir, Final year EEE.

HoD/EEE



SHANMUGANATHAN ENGINEERING COLLEGE ARASAMPATTI - 622 307



ASSOCIATION ACTIVITY REPORT AUGUST 2023

Name of the Activity	Guest Lecture
Title of Activity	Machine Learning An Introduction
Department	EEE
Date/Time 30.08.2023/03.55pm venue	EE107



Presented by:

Mrs.R.Rajaprasanna, AP/EEE.

A Guest Lecture on "MACHINE LEARNING AN INTRODUCTION" was delivered by Mrs.R.Rajaprasanna, AP/EEE. She discussed about What is meant by machine learning, why machine learning is required, various algorithms used in machine learning, example of Linear regression algorithm, merits & demerits of algorithms used and real time applications of machine learning.

Students Acquired an idea about what is machine learning and how it is functioning and what are all the most common Programing languages used in Machine learning. About 40 students and EEE department faculties are participated in this lecture. The Guest Lecture was ended with the vote of Thanks by the student S.Arunkumar, Final year EEE.

HoD/EEE



SHANMUGANATHAN ENGINEERING COLLEGE ARASAMPATTI - 622 507



ASSOCIATION ACTIVITY REPORT SEPTEMBER 2023

Title of Auticity		Guest Lecture	
		Improving Voltage profile In Distribution System.	
Department		EEE	
Date/Time	27.09.2023/03.55pm	venue	



Presented by:

Mr.S.Sabariraja, AP/EEE.

A Guest Lecture on "IMPROVING VOLTAGE PROFILE IN DISTRIBUTION SYSTEM" was delivered by Mr,S.Sabariraja AP/EEE. He discussed about Improvement of voltage profile in distribution system using compensating devices and An enhanced approach for capacitor placement in radial distribution feeders to reduce the power loss and to improve the voltage profile.

Students clarified their doubts by interacting with the faculty in last 15 minutes. About 40 students and EEE department faculties are participated in this lecture. The Guest Lecture was ended with the vote of Thanks by the student M.Sathish, Final year EEE.

HoD/EEE

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SHANMUGANATHAN ENGINEERING COLLEGE ARASAMPATTI - 622 507



ASSOCIATION ACTIVITY REPORT NOVEMBER 2023

CONTRACT CONTRACTOR CO		Technical Seminar Electric Vehicle		
				Department
Date/Time 01.11.2023/03.55pm venue		EE107		



Presented by:

Seminar on "Electric Vehicle" was presented by Mr.S.Senthil Hangovan AP/EEE. He gave a brief explanation about working of electric vehicle during this seminar, Charging Infrastructure, Market trends and growth, Possibility of green environment using electric vehicles, project work suggestions in electric vehicles are also given and the seminar ended with topics application and future outlook of electric vehicle.

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

HoD/EEE



SHANMUGANATHAN ENGINEERING COLLEGE ARASAMPATTI - 622 507



ASSOCIATION ACTIVITY REPORT FEBRUARY 2024

Name of the Ac	tivity	Internal Lecture	
CONTRACTOR OF THE PROPERTY OF		Reactive Power Control Using FC-TCR SVC	
Department		EEE	
Date/Time	14.02.2024/03.55pm venue	EE107	



Presented by:

Seminar talk on "Reactive power control using FC-TCR SVC" was delivered by M.Iswarya AP/EEE. During this seminar she discussed about the concept, operating characteristics of FC-TCR SVC and how FC-TCR SVC compensates the reactive power demand and its losses.

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 P.Thangarajan, Final year EEE.

HoD/EEE



SHANMUGANATHAN ENGINEERING COLLEGE ARASAMPATTI - 622 507



ASSOCIATION ACTIVITY REPORT MARCH 2024

Name of the Activity Title of Activity		"Industrial automation - Future of all Industries"	
Date/Time	27.03.2024/03.55pm	venue	EE107



Presented 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



SHANMUGANATHAN ENGINEERING COLLEGE ARASAMPATTI - 622 507



ASSOCIATION ACTIVITY REPORT MARCH 2024

Name of the Activity Title of Activity		Guest Lecture "Gate awareness programme"	
Date/Time	03.04.2024/03.55pm	venue	EE107



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



DEPARTMENT OF MECHANICAL ENGINEERING SHANMUGANATHAN ENGINEERING COLLEGE (Accredited by NAAC and an ISO 9001:2015 certified Institution) ARASAMPATTI – 622 507



ACEDEMIC YEAR -2023-2024 (ODD SEMESTER) DEPARTMENT ACTIVITIES (IQAC REPORT) STUDENT SEMINAR

SLNo	Student Name	Topic of Seminar
1.	K.R.Bhuvanesh (III Year)	The verses

The department of Mechanical Engineering has organized student seminar to give the exposure about recent techniques in the field of Mechanical Engineering. The above listed student from Third year Mechanical Engineering shared their ideas and explained the content by using visual aids presentations. They also covered the case studies, industrial innovations and development works. The seminar gives opportunity for the individual development and also gives knowledge for other students (Peer Learning).



Mr.K.R.Bhuvanesh detailed about "The verses (Beyond the blue dot)". It deals scaling of universe from the earth beyond its limit. The theory of different verses and their function with the space and time and also the life cycle, star, galaxies and universe.

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DEPARTMENT OF MECHANICAL ENGINEERING SHANMUGANATHAN ENGINEERING COLLEGE (Accredited by NAAC and an ISO 9001:2015 certified Institution) ARASAMPATTI – 622 507



ACEDEMIC YEAR -2023-2024 (EVEN SEMESTER) DEPARTMENT ACTIVITIES (IOAC REPORT)

Date: 19-02-2024

STUDENT SEMINAR

SI.No	Student Name	Topic of Seminar
1.	K.R.Bhuvanesh - III Year	THE VERSES

The Verses". This seminar depicts the basic functioning of universe and laws behind it. Another part of it describes the life cycle of stars (our own sun) and discovery of Black holes along with its real images. Conclude the seminar by summarizing key insights and takeaways about the versatility and impact of verses across different disciplines. Encourage participants to continue exploring and engaging with verses in their personal and professional lives, fostering a deeper understanding of their significance in human expression and cultural heritage.



K.R.Bhuvanesh - III Year explained about "The Verses"

HOD/MECHANICAL

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DEPARTMENT OF MECHANICAL ENGINEERING SHANMUGANATHAN ENGINEERING COLLEGE (Accredited by NAAC and an ISO 9001:2015 certified Institution)

ARASAMPATTI - 622 507



Date: 20-02-2024

ACEDEMIC YEAR -2023-2024 (EVEN SEMESTER) DEPARTMENT ACTIVITIES (IQAC REPORT)

STUDENT SEMINAR

SLNo	Student Name	Topic of Seminar
1.	N.Ajay.N-IV Year	The Residence of the second
2.	VC.ArunKarthick-IV Year	Introduction to Nanotechnology

The department of Mechanical Engineering has organized technical seminar on "Introduction to Nanotechnology". The seminar outline provides a comprehensive overview of nanotechnology, covering fundamental concepts, fabrication techniques, characterization methods, types of nanomaterial's, applications across various fields, environmental considerations, future trends, and ethical implications. It aims to equip attendees with a broad understanding of nanotechnologies potential and challenges in a technical and interdisciplinary context. Adjust the depth and examples based on the audience's technical background and interests.



Mr.N.Ajay & VC ArunKarthick- explained about Under Water Welding its applications.

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DEPARTMENT OF MECHANICAL ENGINEERING SHANMUGANATHAN ENGINEERING COLLEGE (Accredited by NAAC and an ISO 9001:2015 certified Institution) ARASAMPATTI – 622 507



ACEDEMIC YEAR -2023-2024 (EVEN SEMESTER) DEPARTMENT ACTIVITIES (IOAC REPORT)

Date: 27-02-2024

STUDENT SEMINAR

SLNo	Student Name	Topic of Seminar
1.	P.Kathirvel-IV Year	Under Water Welding
2.	UP.LakshminarayananIV Year	

The department of Mechanical Engineering has organized Technical Seminar on "Under Water Welding". Underwater welding, commonly referred to as hyperbaric welding, involves welding under intense pressure. There is wet water welding, that takes place inside the water or dry welding that takes place in a dry, pressurized enclosure and steel is the most common metal used material used to weld. This will enrich the seminar, making it informative and engaging for the audience interested in marine engineering and welding technologies. This outline covers the technical aspects, safety considerations, and practical applications of underwater welding, providing a comprehensive overview suitable for a seminar setting.



Mr.P.Kathirvel &UP.Lakshminarayanan, final year explained about "Under Water Welding"

HOD/MECHANICAL

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YRC/RRC

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.



Dr.Kiruba Shankar MS, - Government Hospital - Thirumayam, Dr. Rodha Krishnan, D.Ortho.- Blood Bank Medical Officer - Government Hospital Aranthangi, created an awareness on Blood Donation among the students.



Blood Sample Collection unit in the Blood Donation Camp



Student of our college actively involved in the Blood Donation Camp



Mr.JB, Arun Pandiyan, AP/MECH receiving the 'Blood Donor' Certificate from Dr.Kiruba Shankar MS, -Government Hospital - Thirumayam, Dr. Radha Krishnan, D.Ortho.- Blood Bank Medical Officer - Government Hospital Aranthangi



YRC/RRC Student Volunteer receiving his 'Blood Donor' Certificate from Dr. Kiruba Shankar MS, - Government Hospital - Thirumayam, Dr. Radha Krishnan, D.Ortho.- Blood Bank Medical Officer - Government Hospital Aranthangi

During this event 60 Units of Blood were collected.

PRINCIPAL

Dr.A.MUTHU MANICKAM (YRC/RRC Program Officer)

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NSS SPECIAL CAMP REPORT 15.12.2023 to 21.12.2023 NSS UNITS



"NOT ME, BUT YOU"



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ANNA UNIVERSITY, CHENNAI 600 025

Name of the Program officer: K.PERUMAL Mobile Number: 9443783936

Name and affiliation of the Contact Person at Camp: Mrs.Lakshmi Sivaraman, President Arsampatti Panchayat, Thirumayam. Mobile no: 9585478220.

Special camp: From: 15-12-2023 To: 21-12-2023.

S.No	Date	Name of the Activity	Number of Volunte ers particip ated	Collaborated NGO / club/ Departments if any	No. benefic iaries partici pated	Venue
1.	15-12-2023	Inauguration	50	Mrs.Lakshmi Sivaraman, President Arsampatti Panchayat	30	Community Hall, Osuvanpatti.
2.	16-12-2023	Swachh bharth – clean India	50			Osuvanpatti & Meyyapatti.
3.	16-12-2023	Rally for without plastic in India	50			Meyyapatti to Osuvanpatti
4.	17-12-2023	Temple, Pond Cleaning	50			Arasampatti. Mullipatti & Meyyapatti
5,	17-12-2023	Yoga	50	NSS Volunteer	25	Community Hall, Osuvanpatti.
6.	18-12-2023	Competition for the School Children's	50	Mrs.C.Thangamani,HN Primary School, Meyyapatti.	25	Meyyapatti
7.	18-12-2023	Field Work-School campus Cleaning	50			Meyyapatti
8.	19-12-2023	Swachh bharth – clean India	50			Osuvanpatti, Meyyapatti & Arasampatti.
9.	19-12-2023	Tree Plantation	50	NSS PO K.Perumal AP/MECH		Osuvanpatti, & Meyyapatti
10.	20-12-2023	Computer Training for School Students	50	Mrs.C.Thangamani,HN , Primary School, Meyyapatti.	75	Meyyapatti
11.	20-12-2023	General Medical Camp	50	Dr.A.Sridhar., M.B.B.S Doctor, GH, Kadiyapppati	50	Meyyapatti
12.	21-12-2023	Validity Function	50	Mrs.Lakshmi Sivaraman, President Arsampatti Panchayat		Arasampatti, Mullipatti

Signature of the Program officer.

Signature of the Principal.



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NSS SPECIAL CAMP ACTIVITY REPORT CAMP ACTIVITY

Name of the Activity : Inauguration

Date : 15-12-2023 (DAY-01) Venue : Osuvanpatti Village

: 50 Total No.of Volunteers involved

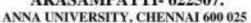


The NSS special camp was organized at Arasampatti Panchayat, Osuvanpatti community hall, Thirumayam taluk on 15-12-2023. Mr.K.Perumal, NSS Programme Officer welcomed the gathering. Mrs. S.Lakshmi Sivaraman President, Arasampatti panchayat, was presided over the function and inaugurated the camp, Mr.P.Sivaraman EX. President, Arasampatti panchayat, were participated and addressed the gathering, the people from osuvanpatti village participated in this event.



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CAMP ACTIVITY

Name of the Activity : Swachh Bharth - Clean India Date : 16-12-2023 -FN (DAY-02) Venue : Osuvanpatti Village

Total No. of Volunteers involved : 50



NSS volunteers involved in the village cleaning activities. They collected unwanted items like plastic bags, biodegradable garbage etc., from the living areas. Also, they cleaned the roads and streets of the village to create an awareness about importance of cleanness and hygienic, then they visited door to door of the village to educate about the cleanliness.



(E)

NATIONAL SERVICE SCHEME

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CAMP ACTIVITY

Name of the Activity : Temple and Pond Cleaning
Date : 17-12-2023 FN (DAY-03)
Venue : Meyyappatti & Mullipatti.

Total No. of Volunteers involved : 50



NSS volunteers from Shanmuganathan Engineering College undertook a cleanup drive at a local temple and pond. They diligently collected various unwanted items, including plastic cups, water bottles, liquor bottles, and compostable garbage from these areas. Following the cleanup, the volunteers visited local residents to educate them about the importance of cleanliness and proper waste disposal.





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CAMP ACTIVITY

Name of the Activity : YOGO

Date : 17-12-2023 AN (DAY-03)
Venue : Osuvanpatti Community Hall.

Total No.of Volunteers involved : 50



NSS volunteers began their day with a yoga practice session. In the evening, one of the volunteers took the initiative to demonstrate various asanas to the group, leading the session and guiding the other volunteers through the exercises.





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CAMP ACTIVITY

Name of the Activity : Competition for the School Children's

Date : 18-12-2023 FN (DAY-04)

Venue : Government Primary School - Meyyappatti.

Total No.of Volunteers involved : 50



NSS volunteers organized a competition for local school children, featuring a variety of events such as running races, balloon popping games, concentration games, and drawing activities. The competition was attended by Mrs. C. Thanka Mani, Headmistress, and Mrs. Kala Rani, Teacher, from the Primary School in Meyyapatti. Approximately 50 children participated in the events, and both the school children and volunteers, along with local residents, enjoyed the lively and engaging activities. After the competition, the volunteers along with students had refreshments and lunch. The program provided a meaningful reflection on the valuable experiences gained throughout the day, highlighting the positive impact on both the volunteers and the local community.



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Prize distributed in school students





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CAMP ACTIVITY

Name of the Activity : Field Work

Date : 19-12-2023 FN (DAY-05)

Venue : Meyyappatti

Total No.of Volunteers involved : 50.



NSS volunteers were tasked with a cleaning drive in Meyyappatti and Mullipatti villages. They collected unwanted items such as plastic bags and compostable garbage from these areas.





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CAMP ACTIVITY

: Tree Plantation Name of the Activity

: 19-12-2023 AN (DAY-05) Date

Venue : Arasampatti, Meyyappatti & Osuvanpatti

Total No.of Volunteers involved : 50.

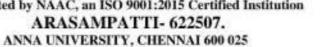


Mr. P. Sivaraman, former President of the Arasampatti Union, addressed the students on the significance of planting trees. Following his talk, the NSS volunteers gathered in the community hall with saplings and the necessary planting materials. They proceeded to plant saplings in Meyyappatti and Osuvanpatti villages. Additionally, the volunteers distributed saplings to local residents and cleaned the premises to prepare for the planting.



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NSS volunteers are sapling the trees





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CAMP ACTIVITY

Name of the Activity : Computer training for School Students

Date : 20-12-2023 FN (DAY-06)

Venue : Government Primary School - Meyyappatti.

Total No.of Volunteers involved : 50,

Mrs. C. Thanka Mani, Headmistress, and Mrs. Kala Rani, Teacher, from the Primary School in Meyyapatti, organized a computer training session. NSS volunteers took on the role of educators, offering instruction in basic computer skills to the government school students. The students were actively engaged and benefited greatly from the training provided by the volunteers.





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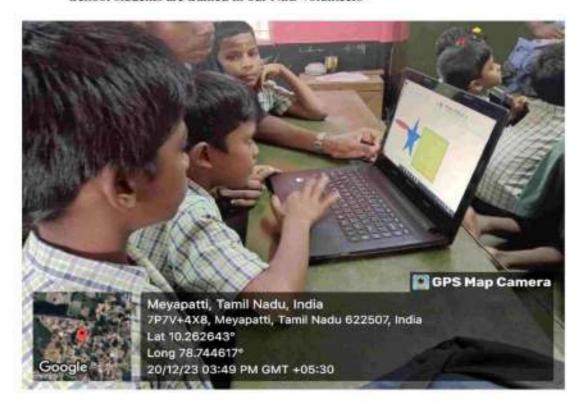
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School students are trained in our NSS volunteers





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CAMP ACTIVITY

Name of the Activity : General Medical Camp
Date : 20-12-2023 AN (DAY-06)

Venue : Osuvanpatti

Total No. of Volunteers involved : 50

After breakfast, the volunteers visited the village to invite residents to the Medical Camp. Meanwhile, the physical arrangement committee prepared for the General Medical Camp in Meyyappatti village. The camp was conducted by Dr. A. Sridhaar, M.B.B.S. from the Government Hospital in Kadiyapatti. Approximately 100 people benefited from the camp, which included tests for blood sugar and blood pressure, as well as general and eye check-ups.





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To distribute the tablets such for as Paracetamol, B complex and Anti-biotic





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CAMP ACTIVITY

Name of the Activity : Validity Function

Date : 21-12-2023 (DAY-07)

Venue : Osuvanpatti

Total No. of Volunteers involved : 50.

The concluding event of the Seven Days NSS Special Stay Camp was held on March 31, 2022, at the community hall in Osuvanpatti, The camp was presided over by S. Lakshmi Sivaraman, President of Arasampatti Panchayat, Mr. K. Mariyappan, B.Pharm., DIH., DMM, Retired Deputy Chief Manager, GH, NLC, and Mr. P. Sivaraman, former President of Arasampatti Panchayat, also participated and addressed the gathering.





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NATIONAL SERVICE SCHEME (NSS)

INDEPENDENCE DAY

78th National Independence day celebration was celebrated in our Shanmuganathan Engineering College campus on 15th August, 2024. All the NSS Volunteers, Students, Faculty members and Staff were participated in this celebration.



Our principal Dr.KL.Muthuramu to welcome the gathering and guests during 78th National Independence day celebration.





Our college correspondent Dr.P.Manikandan unfurled the national flag and give the valuable speech. Shri M.Shanmuganathan, Director (Academic) and Shri M.Pichappa Manikandan Director (Admin) were presided over the function



Our college secretary Shri.M.Viswanathan felicitated in this national independence day.



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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.

