



REPORT OF DEPARTMENT ACTIVITIES FOR MONTH MARCH 2022 DEPARTMENT ASSOCIATION ACTIVITIES

1. TECHNICAL SEMINAR

First association activity is held on 21.03.2022, Monday in civil engineering department seminar hall Room no 208. Second year, third year, final year students and all faculty members from department of civil engineering attended the function.

The association activities was inaugurated with welcome address to the students and staff
by the head of the department Dr.D.Selvakumar.

Dr.G.MAHESHWARAN Professor and Deen deliver the valuable message on the JOB ORIENTED MOTIVATIONAL SPEECH to convey acquired facts to improve the student's professional knowledge.



Dr.G.Maheshwaran delivering the speech





REPORT OF DEPARTMENT ACTIVITIES FOR MONTH MARCH 2022 DEPARTMENT ASSOCIATION ACTIVITIES

2. TECHNICAL SEMINAR

First association activity is held on 28.03.2022, Monday in civil engineering department seminar hall Room no 208. Second year, third year, final year students and all faculty members from department of civil engineering attended the function.

The association activities was inaugurated with welcome address to the students and staff by the head of the department Dr.D.Selvakumar.

The student from civil engineering department MADHUMITHA.G (M.E., first year) presented TECHNICAL SEMINAR on the RABID HARD AND CEMENT CONCRETE to convey acquired facts to improve the student's professional knowledge.



Madhumitha M.E first year presented the seminar





REPORT OF DEPARTMENT ACTIVITIES FOR MONTH MARCH 2022 DEPARTMENT ASSOCIATION ACTIVITIES

3. TECHNICAL SEMINAR

First association activity is held on 28.03.2022, Monday in civil engineering department seminar hall Room no 208. Second year, third year, final year students and all faculty members from department of civil engineering attended the function.

The association activities was inaugurated with welcome address to the students and staff by the head of the department Dr.D.Selvakumar.

The student from civil engineering department PIRAVEEN.S B.E (final year) presented TECHNICAL SEMINAR on the ZERO ENERGY BUILDING to convey acquired facts to improve the student's professional knowledge.



Praveen B.E final year presented the technical seminar on zero energy building





REPORT OF DEPARTMENT ACTIVITIES FOR MONTH MARCH 2022 DEPARTMENT ASSOCIATION ACTIVITIES

4. TECHNICAL SEMINAR

First association activity is held on 04.04.2022, Monday in civil engineering department seminar hall Room no 208. Second year, third year, final year students and all faculty members from department of civil engineering attended the function.

The association activities was inaugurated with welcome address to the students and staff by the head of the department Mr.S.Vijayabaskaran

The student's from civil engineering department MOHAMED ALIYAR (IIIrd year),
NAGARAJ (IIIrd year), MANIKANDAN (IIIrd year), MUTHUPALANIYAPPAN.R (IInd
year), SAWADAMUTHU.R (IInd year), presented TECHNICAL SEMINAR on the BIOMEDICAL WASTE MANAGEMENT, MAINTENANCE AND REPAIR, RAILWAY
POINTING AND CROSSING to convey acquired facts to improve the student's professional
knowledge.



Mohamed Aliyar presented the technical seminar on Bio-medical waste management





Based on three round, Third year civil engineering student Mohamed Aliyar won the first place and second year student R.Muthupalaniyappan, R.Sawadamuthu got second place.



R.Muthupalaniyappan, R.Sawadamuthu presented the technical seminar on Railway pointing and crossing.

DEPT. ASSOCIATION CO-ORDINATOR

HoD/CIVIL

4/2024

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REPORT OF ASSOCIATION ACTIVITIES FOR MONTH APRIL 2022 DEPARTMENT ASSOCIATION ACTIVITIES

1. TECHNICAL SEMINAR

First association activity is held on **04.04.2022**, Monday in civil engineering department seminar hall Room no 209. Second year, third year, final year students and all faculty members from department of civil engineering attended the function.

The association activities was inaugurated with welcome address to the students and staff by the Mr.V.Balakrishnan.

Mr.S.VIJYABASKARAN Associate Professor and HoD presented Technical Seminar on the PERMEABILITY OF SOIL to convey acquired facts to improve the student's professional knowledge.



Mr.S.VIJYABSKARAN presented the seminar





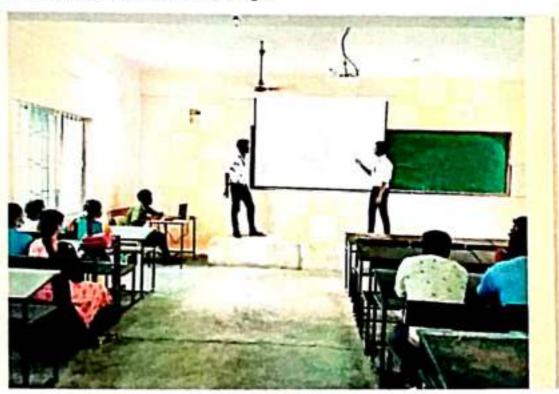
REPORT OF ASSOCIATION ACTIVITIES FOR MONTH MARCH 2022 DEPARTMENTASSOCIATIONACTIVITIES

2. TECHNICAL SEMINAR

Second association activity is held on 18.04.2022, Monday in civil engineering department seminar hall Room no 209. Second year, third year, final year students and all faculty members from department of civil engineering attended the function.

The association activities was inaugurated with welcome address to the students and staff by the head of the department Mr.S.VIJYABASKARAN.

The student from civil engineering department A.S.Pandian and S.Sudhankuttuy (B.E., Second year) presented TECHNICAL SEMINAR on the EARTHQUAKE RESISTANCE CONSTRUCTION USING BASE ISOLATION TECHNIQUE to convey acquired facts to improve the student's professional knowledge.



S.Sudhankuttuy and Pandiyan B.E Second year presented the seminar





REPORT OF ASSOCIATION ACTIVITIES FOR MONTH MARCH 2022 DEPARTMENT ASSOCIATIONACTIVITIES

3. TECHNICAL SEMINAR

Third association activity is held on 25.04.2022, Monday in civil engineering department seminar hall Room no 209. Second year, third year, final year students and all faculty members from department of civil engineering attended the function.

The association activities was inaugurated with welcome address to the students and staff by the head of the department Mr.S.VIJYABASKARAN.

The student from civil engineering department Z.Ashika roshan banu B.E(Third year) presented TECHNICAL SEMINAR on the BASIC TERMS OF CIVIL ENGINEERING to convey acquired facts to improve the student's professional knowledge.



Z.Ashika roshan banu B.E final year presented the technical seminar





Based on three round, Second year civil engineering student A.S.Pandiya and S.Sudhanktty won the first place



A.S.Pandiya and S.Sudhanktty presented the technical seminar.

ASSOCIATION CO-ORDINATOR

HOD/CIVIL ENGG

PRINCIPAL



DEPARTMENT OF CIVIL ENGINEERING

SHANMUGANATHAN ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai, Accredited by NAAC)

ARASAMPATTI – 622 507



REPORT OF ASSOCIATION ACTIVITIES FOR MONTH MAY 2022

Title of the activity	: Workshop	
Date	: 04-05-2022.	
Venue	: 106 Seminar hall.	

Sl.No	Resource person	Topic of Seminar	
	Dr. C.Subramaian, Professor / ACGCET, Karaikudi	Optimization in Civil Engineering	

Summary: An effective presentation on "Optimization in Civil Engineering" was held for budding Civil Engineering students (For all years), the resource person Dr. C.Subramaian, Professor / ACGCET, Karaikudi explained in detail about the optimization stage of the engineering design process is a systematic process using design constraints and criteria to allow the designer to locate the optimal solution. In an engineering design approach, both analysis. And optimization are employed before any prototype work is started. He comprehensively answered various questions related to job opportunities for fresh Civil Engineering Graduates in Govt. Sector. Student feedback was positive and they felt that the session was informative and useful. The programme conducted successfully by the Support, Valuable guidance and Encouragement of Principal and Management.



Dr.C.Subramanian Explaining Optimization Techniques in Civil Engineering





REPORT OF IOAC ACTIVITIES FOR MONTH MAY 2022 DEPARTMENT ASSOCIATION ACTIVITIES

1. TECHNICAL SEMINAR

First association activity is held on **09.05.2022**, Monday in civil engineering department seminar hall Room no 209. Second year, third year, final year students and all faculty members from department of civil engineering attended the function.

The association activities was inaugurated with welcome address to the students and staff by the Mr.V.Balakrishnan.

The students from civil engineering department P.JAYARAMAN AND M.KARTHIKEYAN (B.E., Third year) presented TECHNICAL SEMINAR on the ELASTICITY AND PLASTICITY to convey acquired facts to improve the student's professional knowledge.



P.Jayaraman and M. Karthikeyan (B.E., Third year) presented the seminar





REPORT OF IQAC ACTIVITIES FOR MONTH MAY 2022 DEPARTMENT ASSOCIATION ACTIVITIES

2. TECHNICAL SEMINAR

Second association activity is held on on 09.05.2022, Monday in civil engineering department seminar hall Room no 209. Second year, third year, final year students and all faculty members from department of civil engineering attended the function.

The association activities was inaugurated with welcome address to the students and staff by the Mr.V.Balakrishnan.

The student from civil engineering department R.SAWADAMUTHU (B.E., Second year) presented TECHNICAL SEMINAR on the PREFABRICATED STRUCTURES to convey acquired facts to improve the student's professional knowledge.

The student from civil engineering department K.MANO (B.E., Second year) presented TECHNICAL SEMINAR on the PRESTRESSED CONCRETE STRUCTURES to convey acquired facts to improve the student's professional knowledge.



R.SAWADAMUTHU and K.MANO (B.E., Second year) presented the seminar



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REPORT OF IQAC ACTIVITIES FOR MONTH MAY 2022

Title of the activity

: Webinar.

Date

: 16-05-2022.

Time

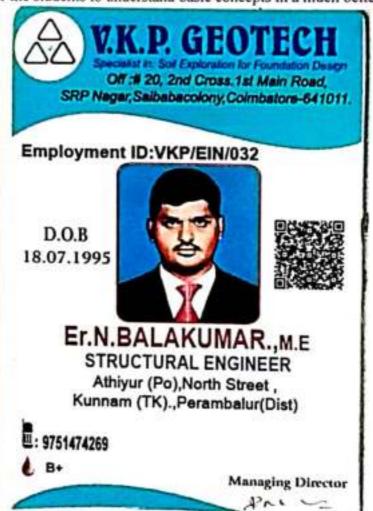
: 3:30 p.m - 4:20 p.m.

Venue

: 106 Seminar hall.

Sl.No	Resource person	Topic of Seminar	
01 Er.N.Balakumar M.E		"Overview of Foundation Engineering"	

Summary: A webinar was conducted by Er.N.Balakumar M.E on "Overview of Foundation Engineering" he clearly explained about the basic fundamentals of Foundation Engineering, their classification and the various types in both shallow and deep foundation design methods. The seminar gave an opportunity for the students to understand basic concepts in a much better way.



Webinar slides on "Overview of Foundation Engineering" by Er.N.Balakumar

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REPORT OF IQAC ACTIVITIES FOR MONTH JUNE 2022

DEPARTMENT OF CIVIL ENGINEERING ASSOCIATION ACTIVITIES

Title of the activity

: Guest Lecture

Date

: 07-06-2022.

Time

: 11.00 a.m- 12.00 noon

Venue

: 106 Seminar hall.

SLNo	Resource person	Topic of Seminar
01	Dr.C.Sivanesan, Professor and HoD / ACGCET, Karaikudi	

Summary: An effective presentation on "Modeling Road Accidents On Undivided Two-lane Highways Under Mixed Traffic Conditions" was held for budding Civil Engineering students (For all years), the resource person Dr.C.Sivanesan, Professor and HoD / ACGCET, Karaikudi explained in detail about the various highways in Tamilnadu and the root causes of road accidents with regards to faulty geometric design of highways and other causes from pedestrians. He comprehensively answered various questions asked from students of Civil Engineering. Student feedback was positive and they felt that the session was informative and useful. The programme conducted successfully by the Support, Valuable guidance and Encouragement of Principal and Management



Dr.C.Sivanesan explaining Modeling road accidents on undivided two-lane highways under mixed traffic conditions in Civil Engineering

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Activity - Report

Name of Activity

: Internal Guest Lecture

Tak of the Lecture

: Advanced pipelining and parallelism for

Computer Architecture

Name of the Resource Person

: Mr.V.Hayaraja

Designation and Address

: Assistant Professor

Department of Computer Science and Engineering

Shanmuganathan Engineering College, Arasampatti.

Date

: 03.06.2022

Target Audience

: All CSE students

Number of Students / Staff

: 102 / 8

Venue

: Lab III

Summary of the Lecture

Mr.V. lievaraja gave a Lecture on "Advanced Computer architecture" and basic introduction about computer architecture. He gave a clear Idea of what is computer architecture, It enables one to understand Processor and control unit.

He discussed the importance of computer architecture. He then explained about the professor and concept of speculation, static multiple issue. He illustrated the different types of SIMD and MIMD architecture. Finally he ended up the session with providing more information on practical applications of computer architecture and its importance deals with regarization, architecture and the use of the newest general micro processors and the latest research developments in computer architecture.



Internal Guest Lecture : Mr.V.Ilayaraja AP/ CSE explained about Advanced Computer
Architecture

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Street of Computer Science and Engineering
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Activity - Report

Name of Activity

: External Guest Lecture

Title of the Lecture

: Virtual Reality Technology

Name of the Resource Person

: Dr.M.Sridevi, M.E.,Ph.D.,

Designation and Address

: Assistant Professor,

Department of Computer Science And Engineering,

National Institute of Technology, Trichy,

Date

: 01.06.2022

Turpet Audience

: All CSE students

Number of Students / Staff

: 102 / 8

Venue

: Auditorium

Summary of the Lecture

Dr.M.Sridevi, M.E.Ph.D., gave a Lecture on "Virtual Reality Technology" and basic introduction about image processing. She gave a clear Idea about the technologies used image processing.

She discussed the importance of virtual reality technology. She then explained about the generated environment with scenes and objects that appear to be real, making the user feel they are immersed in their surroundings. Finally she ended up the session with providing more information on practical applications of image processing and the latest research developments in augmented reality. She explained the differences between all the reality technology.

The major topics covered in the seminar was "virtual reality, augmented reality, Implanted reality".



Chief guest :DR.M.Sridevi,M.E.Ph.D., Assistant Professor, Department of Computer Science And Engineering, National Institute of Technology, Trichy.





SHANMUGANATHAN ENGINEERING COLLEGE



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INTERNAL QUALITY ASSURANCE CELL (IQAC)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

IN ARROCIATION WITH

BOYCE ASSOCIATION

Presents

GUEST LECTURE

"Virtual Reality Technology"



Resource Person Dr. M. Sridevi Professor, Dept. of CSE NIT, Tricky. 1" June 2022



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

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Activity - Report (EVEN SEM 2021-2022)

Name of Activity

: National Level Technical Symposium

Title of the Event

: Technopedia 22

Chief Guest

: Dr.M.Sridevi, M.E.,Ph.D.,

Designation and Address

: Assistant Professor,

: Assistant Professor,

Department of Computer Science And Engineering,

National Institute of Technology, Trichy.

Date

: 01.06.2022

Target Audience

: All CSE students & Other College Participants.

Number of Students/staff

: 105 /08

Students Participants

from other college

: 108

Venue

: Auditorium & Seminar hall (Room No.106)

Summary of the Events

A National Level Technical Symposium TECHNOPEDIA '2022 was held on 01.06.2022(Wednesday) Organized by Department of Computer Science And Engineering. Mrs.R.Kavitha, Head of the department Welcomed the gathering and felicitates the Chief guest with Shawl and Memento.

Ms.S.Bruhdha, Final cse, President of BOYCE Association introduced the Chief guest.

DR.M.Sridevi, M.E., Ph.D., Assistant Professor, Department of Computer Science And Engineering, National Institute of Technology, Trichy, Presided over the function. The Chief guest motivated the students by precious words. She insisted the students to develop their technical skills what they need. She also appreciated the students for organizing the various events in the technical symposium.

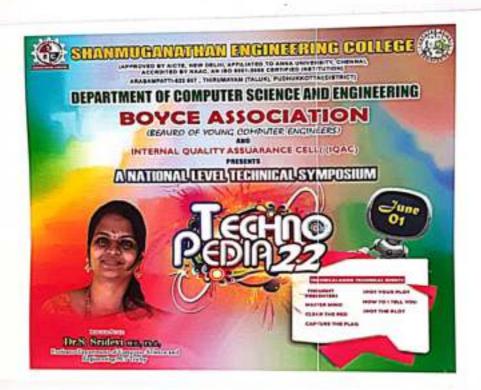
There were 7 events in total, 4 technical and 3 non technical events. Totally 108 students have registered for various events from 13 various colleges.

The prizes were distributed to the winners and runners of various Technical and Non technical events during valedictory ceremony.

Ms.G.Cinthamani, Final ese, Secretary of BOYCE Association delivered the Vote of thanks.

Event wise participation

- 1. Thought presenter 58 students participated
- Master Minds 60 students participated
- Clear the Red 48 students participated
- Catch the flag 8 students participated
- Jollywood 20 students participated
- How do I tell You 33 students participated
- Spot your plot 8 students participated



Head of the department: Mrs.R.Kavitha, , Department of Computer Science And Engineering Chief guest: DR.M.Sridevi,M.E.,Ph.D., Assistant Professor, Department of Computer Science And Engineering, National Institute of Technology, Trichy.

Technopedia'22 coordinator: Mrs.R.Divya Sopna, Assistant Professor, Department of Computer Science And Engineering.

President of BOYCE Association : Ms. S.Brundha, FINAL CSE.



Mrs.R.Kavitha, Head of the department felicitates the Chief guest with Shawl and Memento



DR.M.Sridevi, M.E., Ph.D., Assistant Professor, Department of Computer Science And Engineering, NIT, Trichy. She motivated the students by precious words.



Valedictory Ceremony of Technopedia'22

HODCSE

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Department of Computer Science and Engineering
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Arasampatti - 622 507

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Activity - Report

Name of Activity

: Workshop

Title of the Workshop

: HTML and CSS

Name of the Resource Person

: Mr. J. Rajkumar

Designation and Address

: Senior Project Engineer

PANTECH E-Learning, Thiruchirapalli

Date

: 06.05.2022

Target Audience

: Second Year CSE students

Number of Students

: 40

Venue

: Computer Science Lab II

Summary of the Workshop

The resource person Mr. J. Rajkumar explained the basics and importance about HTML and Cascading Style Sheets.

The resource person demonstrated the procedure to create webpages using HTML and CSS. He also explained how CSS is used to style the webpage contents. Then he demonstrated the decorative features in CSS

The second year students utilized the Workshop and they practiced all in one HTML/HTML5 and CSS/CSS3 suite. They also learnt to apply design to Wireframes with HTML. At the end of the workshop they can be able to build their own HTML5 Video Player, responsive websites with HTML5 and CSS3, HTML5 and CSS3 site design, Website Wire framing with HTML5 and CSS3.



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ADABAMPATTIAZZ SOZ. THIRUMAYAM (TALUK), PUDHUNKOTTAI(DISTRICT)

Internal Quality Assurance Cell (IQAC) and DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

JOINTLY PRESENTS

workshop on

"HTML and CSS"

for II Year CSE Students

Resource Person

Mr.J.RAJKUMAR

Senior Project Engineer PANTECH E-Learning, Thiruchirapatti Date : 06.05.2022 From 9.30 AM to 4.20 PM

A BOYCE ASSOCIATION ACTIVITY

Workshop on "HTML and CSS"



Workshop on ""HTML and CSS" by Mr. J. Rajkumar



Workshop on ""HTML and CSS" for second year CSE students



Workshop on ""HTML and CSS" for second year CSE students

Head of the Department Department of Computer Science and Engineering Stannugstation Engineering College Arasampath - 622 507

Dr. KL.MUTHURANIU
PRINCIPAL
SHUMBUGANATHAN ERGINTEEING COLLEGE
ARASARFAITI - 422 507.



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Activity - Report

Name of Activity

: Internal Guest Lecture

Title of the Lecture

: Computer Forensics as a Career

Name of the Resource Person

: Mr.V. Sai shanmuga raja

Designation and Address

: Assistant Professor

Department of Computer Science and Engineering

Shanmuganathan Engineering College, Arasampatti,

Date

: 22.04.2022

Target Audience

: All CSE students

Number of Students / Staff

: 102 / 8

Venue

: Smart class Room (Room No.403)

Summary of the Lecture

The same of the same and the same area.

Mr. V. Sai shanmuga raja gave a Lecture on "Computer Forensics as a Career" and basic introduction about computer Forensics. He gave a clear Idea of what is computer forensics, Digital Evidence, Cyber Crime and its effects.

He discussed the importance of computer forensics in the field of Cyber Security. He then explained about the skills required to become a Computer Forensic expert. He illustrated the different stages of computer forensic process. Finally he ended up the session with providing more information on practical applications of computer forensics and its importance in the future cyber security in organizations.

The major topics covered in the seminar was Importance of cyber security, Cybercrimes, Digital Evidence and stages of data collection.



Internal Guest Lecture: Mr.V. Sai shanmuga raja AP/ CSE explained about Computer Forensics .



Internal Guest Lecture: Mr.V. Sai shanmuga raja AP/ CSE explained about Computer Forensics.

HOD CSE

Head of the Department Dispartment of Computer Science and Engineering Stennugarathan Engineering College Arasampath - 622 507

Dr. KL.MUTHURAMU
PRINCIPAL
SHAMMUGANATHAN ENGINEERING COLLEGE
ARASAMFAITI - 627 Sep.



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Activity - Report

Name of Activity

: Webinar

Title of the Lecture

Industrial Applications of NLP & Understanding

Name of the Resource Person

: Mr. J.Karthikeyan

Designation and Address

: Principal Data scientist

AT & T -Telecommunications

Date

: 29.04.2022

Target Audience

: All CSE students

Number of Students / Staff

: 88/8

Venue

: Smart class Room (Room No.106)

Summary of the Lecture

Mr.J.Karthikeyan gave a Webinar on "Industrial Applications of Natural Language Processing & Understanding" and basic introduction about Natural language Processing. He gave a clear ldea 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,



SHANMUGANATHAN ENGINEERING COLLEGE



Arasampatti - 622 307, Thicumayam (Taluk), Pudukkottal (District).

INTERNAL QUALITY ASSURANCE CELL (IQAC)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PRESENTS



WEBINAR

"Industrial Application of Natural Language Processing & Understanding"

Speaker

KARTHIKEYAN J

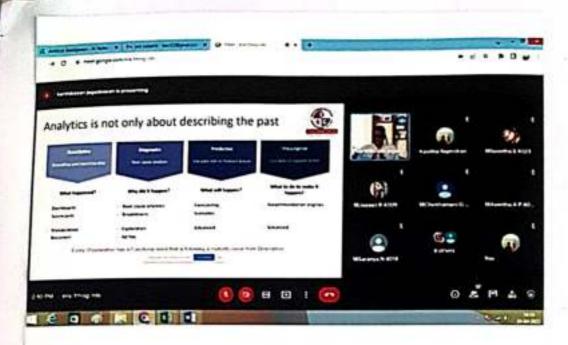
Principal Data Scientist AT&T -Telecommunications

On 29.04.2022 @ 2.00 PM to 3.00 PM

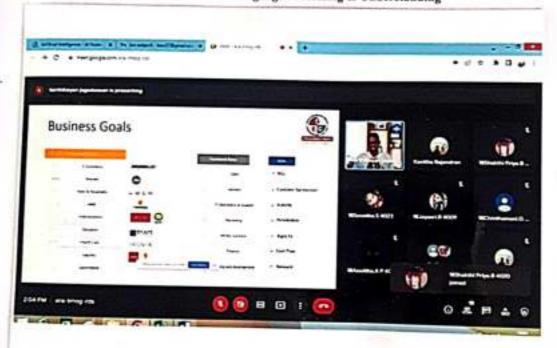
Mr.J.Karthikeyan, Principal Data scientist, AT & T-Telecommunications explained about "Industrial Applications of Natural Language Processing & Understanding"7



Mr.J.Karthikeyan, Principal Data scientist, AT & T-Telecommunications explained about "Industrial Applications of Natural Language Processing & Understanding"



Mr.J.Karthikeyan, Principal Data scientist, AT & T-Telecommunications explained about "Industrial Applications of Natural Language Processing & Understanding"



Mr.J.Karthikeyan, Principal Data scientist, AT & T -Telecommunications explained about

"Industrial Applications of Natural Language Processing & Understanding"

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

PRINCIPAL

Dr. KL.MUTHURAMU
PRINCIPAL
SHAWHUGANATHAN ERGINTERING COLLEGE
AZASAMATIN - 672 507.



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



Name of the Activity

: Technical Seminar by III CSE.

Details of Seminar:

s.no	YEAR/SEMESTER	NAME OF THE STUDENTS	TITLE
1	III/VI	Mr. M.MuthuKumar Mr. R.Selvendran	ADVANCED APPLICATIONS OF ARTIFICIAL INTELLIGENCE
2	III /VI	Mr. R.Tamilmurasu Mr. M.Suryakumar	MECHANISMS AND ALGORITHMS USED IN INFORMATION SECURITY
3	111 /V1	Ms S.Dhanam Ms T.Valarmathi	CREATING STYLE SHEETS IN WEB DEVELOPMENT

Date

: 20.05.2022

Target Audience

: All CSE students

Venue

: Room No: 403

Summary of the Technical Seminar:

The Technical Seminar contest was organized under BOYCE Association Activity. There were three topics presented. Presentation was very innovative and students learned about their topics were presented. Clarified their queries about the presentation topics. The third topic presented was "CREATING STYLE SHEETS IN WEB DEVELOPMENT" by

third Year students Ms S.Dhanam & Ms T.Valarmathi. They explained about the html tags and their

functions. For the web development some of the languages were used html 5,CSS AND JAVASCRIPT. Style

sheets were explained with their methodologies and functions to be used. For the web development various

gale sheets used. Types of style sheets are explained briefly.



. Ms S.Dhanam & Ms T.Valarmathi., III CSE, Technical Seminar on "Creating style sheets in web

development"

Head of the Department

interest Concurse Science and Engineering Sharmaganathan Engineering College

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Activity - Report

Name of Activity

: Workshop

Title of the Workshop

: AWS

Name of the Resource Person

: Dr. T. Avudaiappan

Designation and Address

: Senior Consultant

AWS Certified Solution Architect

PANTECH E-Learning, Thiruchirapalli

Date

: 16.05.2022

Target Audience

: Third Year CSE students

Number of Students

: 32

Venue

: Computer Science Lab II

Summary of the Workshop

233

The resource person Dr. T. Avudaiappan explained the basics and importance about Amazon Web Services.

The resource person demonstrated about AWS, Cloud concepts and global infrastructure of cloud computing. He also covered the following concepts types of cloud computing, EC2 Instance, Elastic Load Balance, Messaging and Queuing, Volume, snap shot and AMI.

The third year students utilized the Workshop and they build their AWS cloud knowledge by learning AWS Cloud concepts, to provide services and architecture by AWS and to provide security for the cloud.



SHANMUGANATHAN ENGINEERING COLLEGE



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Internal Quality Assurance Cell (IQAC) and DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

JOINTLY PRESENTS

"AWS"

for III Year CSE Students

Dr.T.AVUDAIAPPAN

Senior consultant AWS Certified Solution Architect PANTECH E-Learning, Thiruchirapalli

Date : 16.05.2022 From 9.30 AM to 4.20 PM

A BOYCE ASSOCIATION ACTIVITY

Workshop on "AWS"



Workshop on "AWS" by Dr. T. Avudaiappan



Workshop on "AWS" for third year CSE students



Workshop on "AWS" for third year CSE students

HOD-CSE

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



Name of the Activity

: Technical Seminar by II CSE Students.

Details of Seminar:

s.NO	YEAR/ SEM	NAME OF THE STUDENTS	TITLE
1	II/IV	Mr. G. Vishnurithan, Mr. N. Aravind	CRYPTO CURRENCY AND BLOCK CHAIN
2	II/IV	Mr. M. NaveenKumar	BIG DATA ANALYTICS
3	II/IV	Ms. R. Veemikha, Ms. G. Ellakiya	HUMAN AUGMENTATION
4	II/IV	Ms. G.Indhumathi, Ms . V. Swathi	BLUE BRAIN

Date

: 13.05.2022

Target Audience

: All CSE students

Venue

: Room No: 403

Summary of the Technical Seminar:

The Technical Seminar contest was organized under Association activity. There were four topics presented. The first topic presented was "CRYPTOCURRENCY AND BLOCK CHAIN" by second year students "Mr.G.Vishnurithan, and Mr.N.Aravind". They explained the invention and history of crypto currencies and were they are used. Digital currencies were used in this system and it has extreme growth .For security purpose Block Chain technology were used.



Mr.G.Vishnurithan, and Mr.N.Aravind".,II CSE, Technical Seminar on "crypto currency and block chain".

The second topic presented was "BIG DATA ANALYTICS" by second Year student Mr.M.Naveen kumar. He elaborates about Big data analytics. He explained about the history and characteristics of big data Analytics. He also briefs the students about V's methods of big data and also explained Hadoop framework and their models. Characteristics of Hadoop and their features were explained briefly.



Mr.M.Naveen kumar ,II CSE, Technical Seminar on "big data analytics".

The third topic presented was "HUMAN AUGMENTATION" by second Year students

Ms R. Veemikha, and Ms. G. Ellakiya They elaborates about Human Augmentation. They explained

about the types of Human Augmentation. They also briefly elaborated the supplementing human

activity with their enhancements to be followed. Real time application of human augmentation were

explained with their pros and cons. Finally concluded with the innovations of Human Augmentation.



Ms R. Veemikha, and Ms.G. Ellakiya, Il CSE, Technical Seminar on "Human Augmentation".

The fourth topic presented was "BLUE BRAIN" by second year students Ms. G.Indhumathi, and Ms. V. Swathi. They briefly explained about the usuage of blue brain and their technologies used. Nano modes will be applied to be human body by using hyper syringe they stimulate the brain and it is done by micro robots. They finally concluded with thinking capacity will be alive minimum 10 years.



Ms.G.Indhumathi, & Ms.V.Swathi, II CSE, Technical Seminar on "Blue Brain".

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Association Inauguration

Title of the Association

: BOYCE - Bureau of Young Computer Engineers

Name of the Chief Guest

: Mr.M.Balaji Rajakesari, M.S.,M.Tech.,(Ph.D)

Designation and Address

: Scientist / Engineer,

Controls Digtial and Eletronics group,

U.R.Rao Satellite Centre,

Department of Space, ISRO, Bangalore.

Date

: 09.04.2022

Venue

: Seminar hall (Room No.106)

Agenda

TAMIL THAI VAZHTHU

Welcome Address and

: Mrs. R. Kavitha, M. Tech

Assistant Professor and HoD

Introduction to Office

: Mr. P.Thenmozhi, M.E.,

Bearers

Assistant Professor, CSE.

Presidential Address -

: Dr. KL. Muthuramu, M.E (W.R).,

M.E (S.E)., Ph.D., F.I.E., M.I.S.T.E.,

Principal

Felicitation

: Mr. M. Vishwanathan, .

Secretary

: Dr. P. Manikandan,

Correspondent

Introduction to Chief Guest

: Mrs.R.Preethi, M.E.,

Assistant Professor, CSE

Inaugural Address

: Dr.M.Balaji Rajakesari, M.S.,M.Tech.,(Ph.D)

Scientist / Engineer,

Controls Digtial and Eletronics group,

U.R.Rao Satellite Centre.

Department of Space, ISRO, Bangalore.

Vote of Thanks

: Ms.S.Brundha,

IV CSE, Association President

NATIONAL ANTHEM

OFFICE BEARERS

President - Ms. S. Brundha, IV yr CSE

Vice President - Ms. C. Karthiga, III yr CSE

3. Secretary - Ms. G. Chinthamani, IV yr CSE

4. Joint Secretary - Ms. S. Dhanam, III yr CSE

5. Treasurer - Ms. A. Pooja, IV yr CSE

6. Members - Mr. M. MuthuKumar, III yr CSE

Mr. R. Selvendran, III yr CSE

Ms. V. Hemadharshini, III yr CSE

Mr. K. Nagappan, II yr CSE

Ms R. Veemika, II yr CSE.



Introduction of office bearers

Hod: Mrs. R. Kavitha, M. Tech., Assistant Professor and HoD

chief guest : Dr.M.Balaji Rajakesari, M.S., M.Tech., (Ph.D), Scientist / Engineer, Controls

Digital and Eletronics group, U.R.Rao Satellite Centre, Department of Space, ISRO,

Bangalore.

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

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

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Activity - Report (EVEN SEM 2021-2022)

Name of Activity

: Guest Lecture

Title of the Lecture

: "onboard software design and development for space

craft and space bourne system"

Name of the Resource Person

: Mr.M.Balaji Rajakesari, M.S., M.Tech., (Ph.D)

Designation and Address

: Scientist / Engineer,

Controls Digital and Eletronics group,

U.R.Rao Satellite Centre,

Department of Space, ISRO, Bangalore.

Date

: 09.04.2022

Target Audience

: All CSE students

Number of Students/staff

: 106 / 8

Venue

: Seminar hall (Room No.106)

Summary of the Lecture

A guest lecture on "onboard software design and developement for space craft and space bourne system "was organized by our department. The lecture was delivered by Mr. M.Balaji Rajakesari an Eminent Scientist, ISRO.

.He explained how India is leading in the field of launching the satellites and the operations performed at the space centre. He also explicate various monitoring techniques of satellites at diffrent branches .Students were encouraged by him and gained a great knowledge from the resource person.



Dr.M.BalajiRajakesari, M.S., M.Tech., (Ph.D), Scientist/Engineer, Controls Digital and Eletronics group, U.R. Rao Satellite Centre, Department of Space, ISRO, Bangalore.



Dr.M.BalajiRajakesari, M.S., M.Tech., (Ph.D), Scientist/Engineer, Controls Digital and Eletronics group, U.R.Rao Satellite Centre, Department of Space, ISRO, Bangalore,

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING SHANMUGANATHAN ENGINEERING COLLEGE





Name of the Activity

: Technical Seminar

Details of Seminar:

s.NO	YEAR/SEMESTER	NAME OF THE STUDENTS	TITLE
1	IV/VIII	Ms. B. Baya Preetha Ms. A. L. Chithra	Machine Learning
2	IV/VIII	Mr. P. Sethupathy Muneeswaran	Hardware Components of CPU

Date

: 08.04.2022

Target Audience

: All CSE students

Venue

: Room No: 403

Summary of the Technical Seminar:

The Technical Seminar contest was organized under Association activity. There were two topics presented. The first topic presented was "MACHINE LEARNING" by final year students "Ms. B. Bava Preetha & Ms.A.L.Chithra". They elaborate the history and importance of Machine Learning in the current scenario. They discussed about the subsets of dataset used for Machine Learning. They also explained about the various algorithms used and applications of Machine Learning in various fields.



Ms. B. Bava Preetha & Ms.A.L.Chithra, IV Year CSE , Technical Seminar on "Machine Learning"

The second topic presented was "HARDWARE COMPONENTS OF CPU" by Final Year student Mr.P.Sethupathy Muneeswaran. He elaborates about various components in CPU. He explained about the working procedure of Switch Mode Power Supply. He also briefs the students about various parts of mother board, BIOS chips, CMOS battery, CPU socket and Cooler fan. Then he explained about AMD and Intel processors.



Mr.P.Sethupathy Muneeswaran, IV CSE, Technical Seminar on "Hardware Components of CPU"

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BOYCE Association Activity - Report

Activity II - TECHNICAL QUIZ

Name of the Activity

: Technical Quiz

Name of the Organizers

: Ms. A.Pooja, IV CSE

Ms. A.Powun Roja, IV CSE Ms. S.Dhanam, III CSE Ms. S.Sangeetha, III CSE Mr. M.Naveen Kumar, II CSE Mr. G.Vishnu Varthan, II CSE

Mr. C.Praveen, II CSE

Date

: 31.03.2022

Target Audience

: All CSE students

Number of Students participated :

II CSE - 13 III CSE - 11

IV CSE - 03

Venue

: Smart Classroom (Room No.403)

Summary of the Technical Quiz:

The technical quiz competition was conducted as the 2nd event of the association activity. The technical quiz contest was organized under My Idea Program activity. The event was conducted in two phases. In the first phase, multiple choice questions were given to participants through Google forms. Those who passed in the MCQ test, 6 batches of them were selected for the second round of technical quiz. In the second phase, we had conducted 5 rounds. First round is TECHNICAL ROUND, Second round is IMAGE FINDING, Third round is ODD MAN OUT, Fourth round is FIND THE CORRECT ONE, and Fifth round is GENERAL QUESTON. For each round we had given 2 questions for each batch. Based on the highest score we had declared the I place and the next was given II place. At the end of the session, the winners were presented with prizes.





Winners of Technical Quiz contest:

I prize

- Mr. R. Vignesh Kumar & Mr. PL. Vetri Selvan, - III CSE

II Prize

- Mr. C.Sanjay & Mr. B.Brameshwaran,

- II CSE

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Head of the Department Department of Computer Science and Engineering Shanmuganathan Engineering College

Arasampatti - 622 507

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BOYCE Association Activity - Report

Activity I - Debugging

Name of the Activity

: Debugging in C

Name of the Organizers

: Ms. S. Suvetha, IV CSE Ms. AP. Aswitha, IV CSE

Ms. M. Sneha, IV CSE Mr. R. Tamilmurasu, III CSE

Ms. S. Karthiga, III CSE

Date

: 25.03.2022

Target Audience

: All CSE students

Number of Students participated:

II CSE - 19

III CSE - 15 IV CSE - 05

Venue

: Seminar hall (Room No.106)

Summary of the Debugging:

The debugging competition was conducted as the 1st event of the association activity. The debugging contest was organized under My Idea Program activity. The event was conducted in two phases. In the first phase, multiple choice questions were given to participants through google forms. Those who passed in the MCQ test, 20 of them were selected for the second round of debugging. In the second phase, a set of 3 C programs were given and asked to debug the C programs. One who finishes first is given I place and the next was given II place.

Parallely, A technical event called "Connexions" was conducted to the remaining students. The students actively participated in the events and enjoyed the sessions. At the end of the session, the winners were presented with prizes.



Students attending debugging in 'C' - First Round



Students attending debugging in 'C' - Final Round

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DEPARTMENT OF ELECRONICS AND COMMUNICATION ENGINEERING SHANMUGANATHAN ENGINEERING COLLEGE



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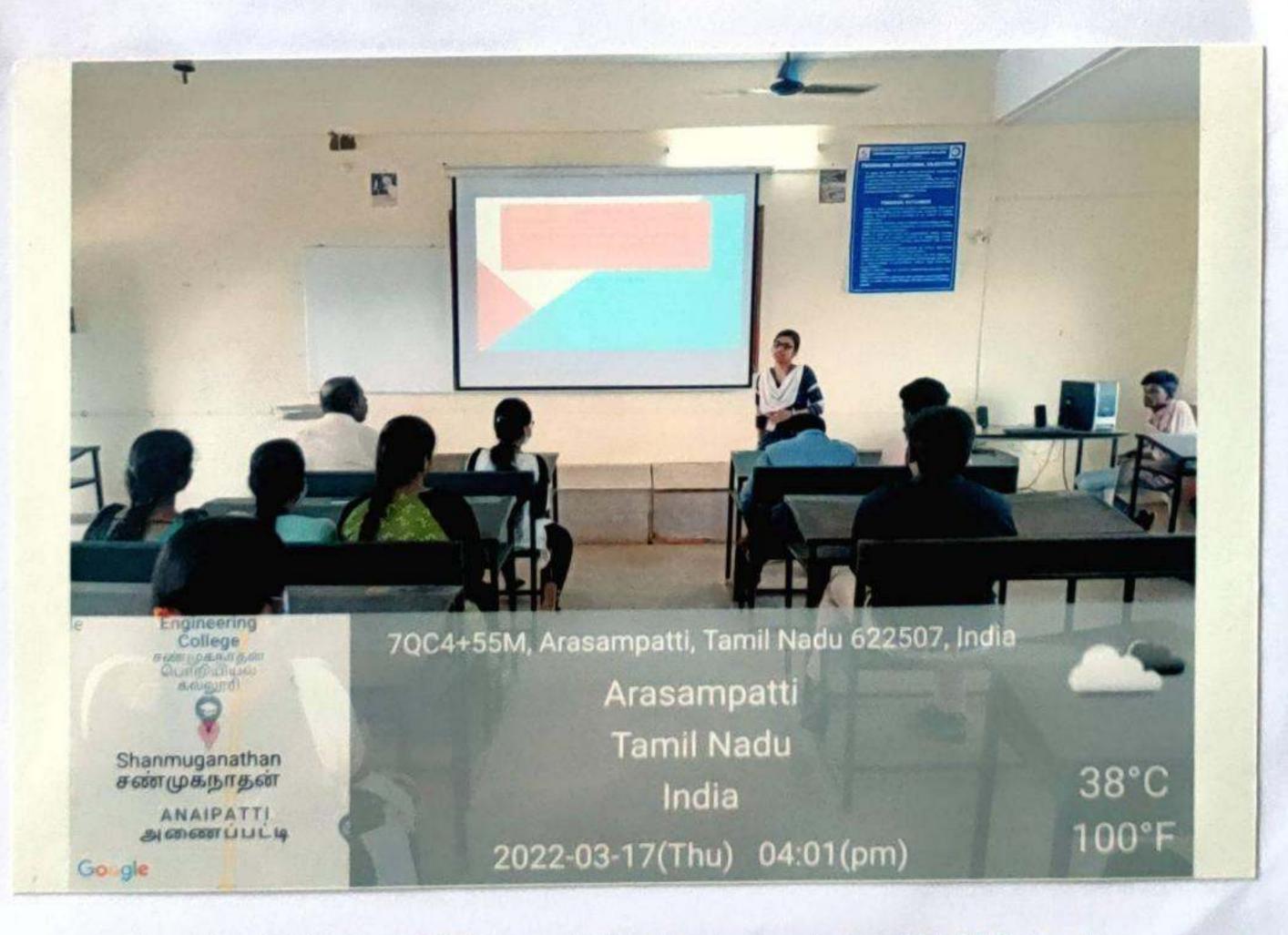
IQAC REPORT OF DEPARTMENT ACTIVITIES FOR THE MONTH MARCH 2022 DEPARTMENT ASSOCIATION ACTIVITIES

1. TECHNICAL SEMINAR

First association activity is held on 17.03.2022, Thursday in ECE Seminar hall, Room no. 315. Second Year, Third Year, Final Year students and all faculty members from department of ECE attended the function.

The Association activity was inaugurated with welcome address to the students and staff by the Head of the department Dr.R. Sornalatha.

A.Sivasankarmadheshwar, N. Ramkumar, P.Sivanandhini, and B. Mirudhulla from the final year presented TECHNICAL SEMINAR on the topic of Biometric Voting Machine, Sensor Technology, Inter-Vehicle Communication & Li-Fi respectively to convey acquired facts to improve the student's professional knowledge.



B. Mirudhulla, Final ECE presented the Seminar on topic of Li-Fi Technology

2. TECHNICAL QUIZ

Second association activity is held on 24.03.2022, Thursday in ECE Seminar hall, Room no. 315. Second Year, Third Year, Final Year students and all faculties from department of ECE attended the function.

The Association activity is inaugurated with welcome address to the students and staff by Mrs.D.Latha, AP/ECE.

The students from ECE department of PL.Vishalatchi (IV year), PU.Subathra (IV year), J.Safrin Nihar (III Year) and A.Raniprabha (III Year) were conducted the TECHNICAL QUIZ and asked many questions based on ECE subjects to improve the student's professional knowledge.

Based on three round, second year ECE students won the first place and Third year ECE students got second place.



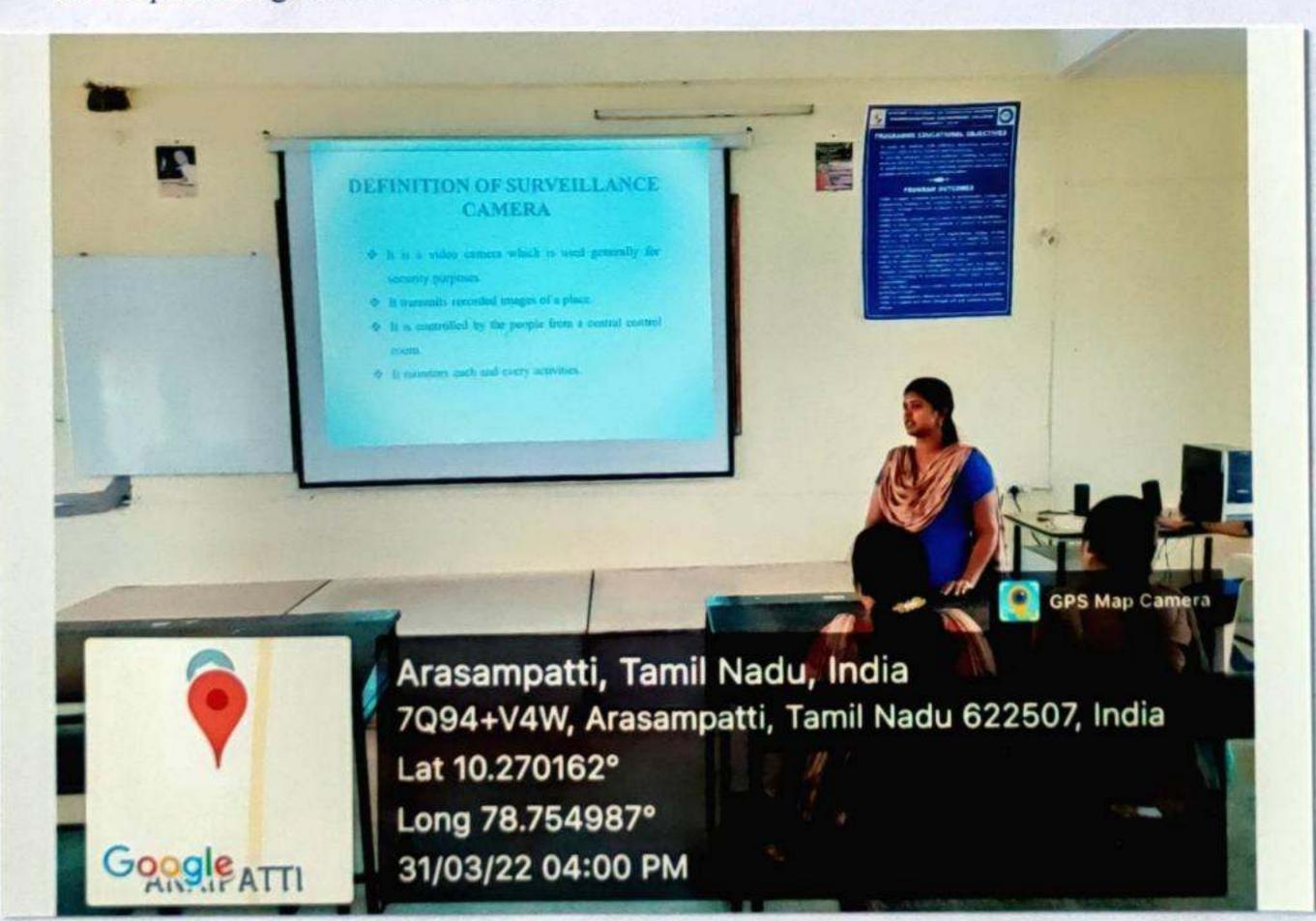
PL. Vishalatchi (IV year), PU. Subathra (IV year) conducted Technical Quiz

3. TECHNICAL SEMINAR

Third association activity is held on 31.03.2022, Thursday in ECE Seminar hall, Room no. 315 Second Year, Third Year, Final Year students and all faculties from department of ECE attended the function. The Association activity is inaugurated with welcome address to the students and staff by Mrs.A.Yasmin Nihara, AP/ECE

The students from ECE department of N.Dhivyadharshini (IV Year), PL.Vishalatchi (IV Year), PU.Subathra (IV Year), K.Swarrna Amirthaa (IV Year), P.Priyanka (IV Year), J.Safrin nihar (III Year) presented TECHNICAL SEMINAR on the topic of Massive MIMO, Evolution of Electronics, Surveillance Camera Control System, Nano Technology in Electronics, E-Bombs and Brain Chip respectively to convey acquired facts to improve the student's professional knowledge.

The technical seminar had an interaction session, the observer queries were cleared by the presented host. The meeting has been ended with positive notes by the third year student. K.Karpagavalli to stimulate the students to participate in the upcoming association activity for the personal growth of the students.



PU.Subathra, Final ECE presented a Technical Seminar on Surveillance Camera Control

DEPT. IQAC COORDINATOR

HoD/ECE

Department of Electronics and
Communication Engineering
SHANNUGANATHAN ENGINEERING COLLEGE
ARASAMPATTI - 622507, Pudukbottal Dt

Shanmuganathan
Engineering College
Arasampatti - 622 507



DEPARTMENT OF ELECRONICS AND COMMUNICATION ENGINEERING

SHANMUGANATHAN ENGINEERING COLLEGE



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IQAC REPORT OF DEPARTMENT ACTIVITIES FOR THE MONTH OF APRIL 2022

DEPARTMENT TECHNICAL ASSOCIATION ACTIVITIES

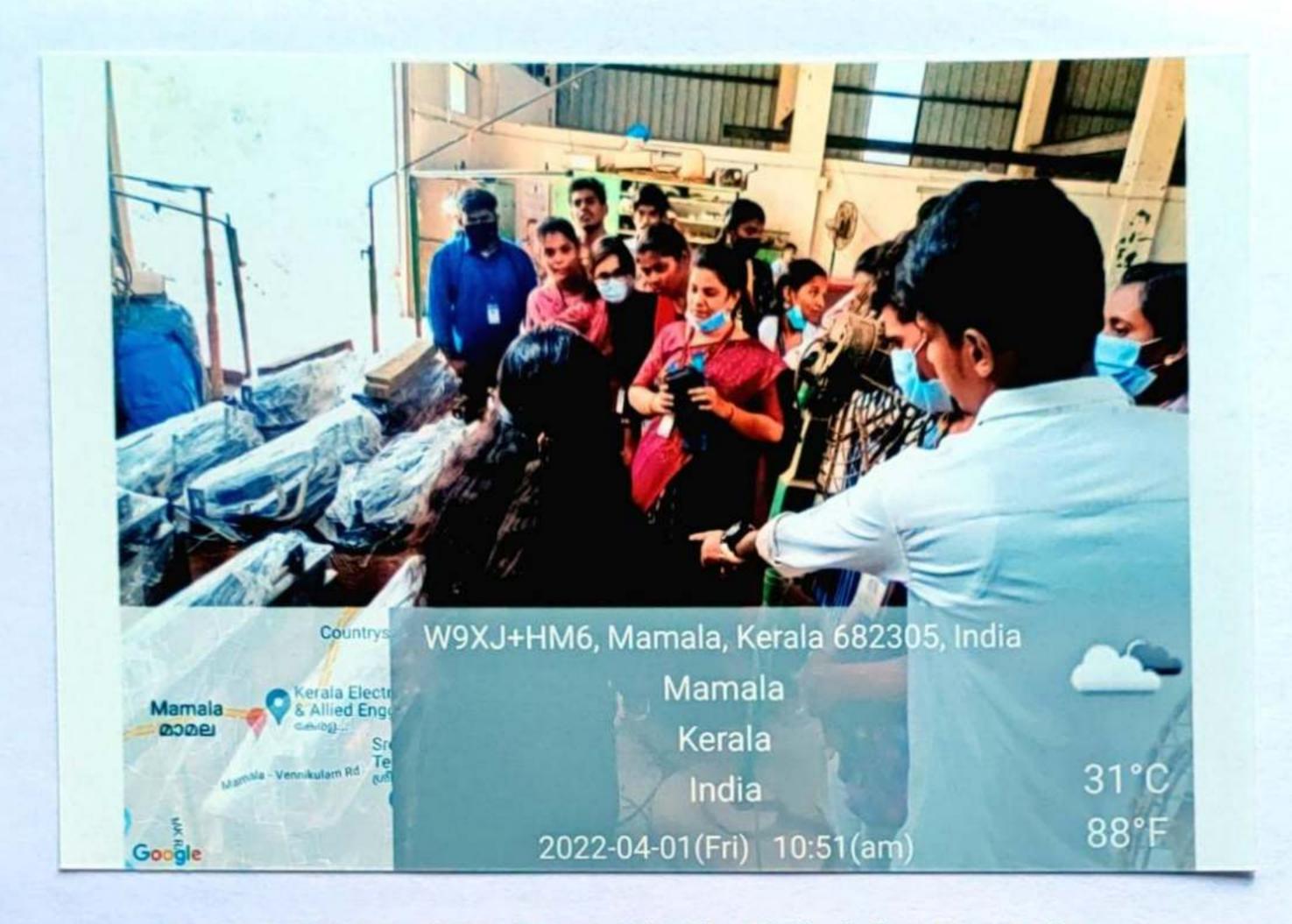
The Department of Electronics and Communication Engineering and IQAC arranged Industrial visit and organized Circuit debugging, Guest lecture, and Poster presentation for the benefit of ECE students in this month of April 2022. The details of each event are given below with photographs.

INDUSTRIAL VISIT

To get practical knowledge and to give an insight into the way things work in the real-life scenario, the Department of Electronics and Communication Engineering arranged an industrial visit on 1st April 2022 to KEL located in Kochi, Kerala for the students of final year ECE. The visit was organized with the prior permission and guidance of the Honorable Principal Dr.K.L.Muthuramu and the HOD of ECE Dr.R.Sornalatha. Our staff members, Mr.SP.Senthil Kumar &Mrs.A.YasminNihara of ECE accompanied along with the students of final year ECE in this industrial visit. A total of 15 students along with 2 faculty members have joined this industrial visit. They started traveling from the college campus at 8:30 pm on 31.03.2022 and visited the KEL on 01st April 2022.



Final year ECE students along with Faculty members visited KEL, Kochi on 01.04.2022



Ms.Sruthi, Junior Assistant, KEL explains about Coil winding to our students



Ms.Sruthi, Junior Assistant, KEL explains about Transformer manufacturing to our students

CIRCUIT DEBUGGING

The fourth association activity is held on 07.04.2022, Thursday in ECE Seminar Hall, Room no. 315. Second Year, Third Year, Final Year students and all faculties from the department of ECE attended the function.

K. Swarrna Amirthaa, P.Sivanandhini,and B. Mirudhulla from the final year conducted the Circuit Debugging and asked many questions based on ECE subjects to improve the student's professional knowledge.

The Circuit Debugging had an interaction session, students had interested to answer the questions asked and also benefited from enriching their knowledge. Based on two rounds, final year ECE students won first place and the Third year ECE students got second place.

The event has been ended with positive notes by the final year student N.Dhivyadharshini to stimulate the students to participate in the upcoming association activity for their personal growth of the students.



K.SwarnaAmirthaa and P.Sivanandhini IV Year ECE conducted Circuit Debugging on 07.04.22



K.Swarna Amirthaa IV Year ECE asks questions about Circuits to the students



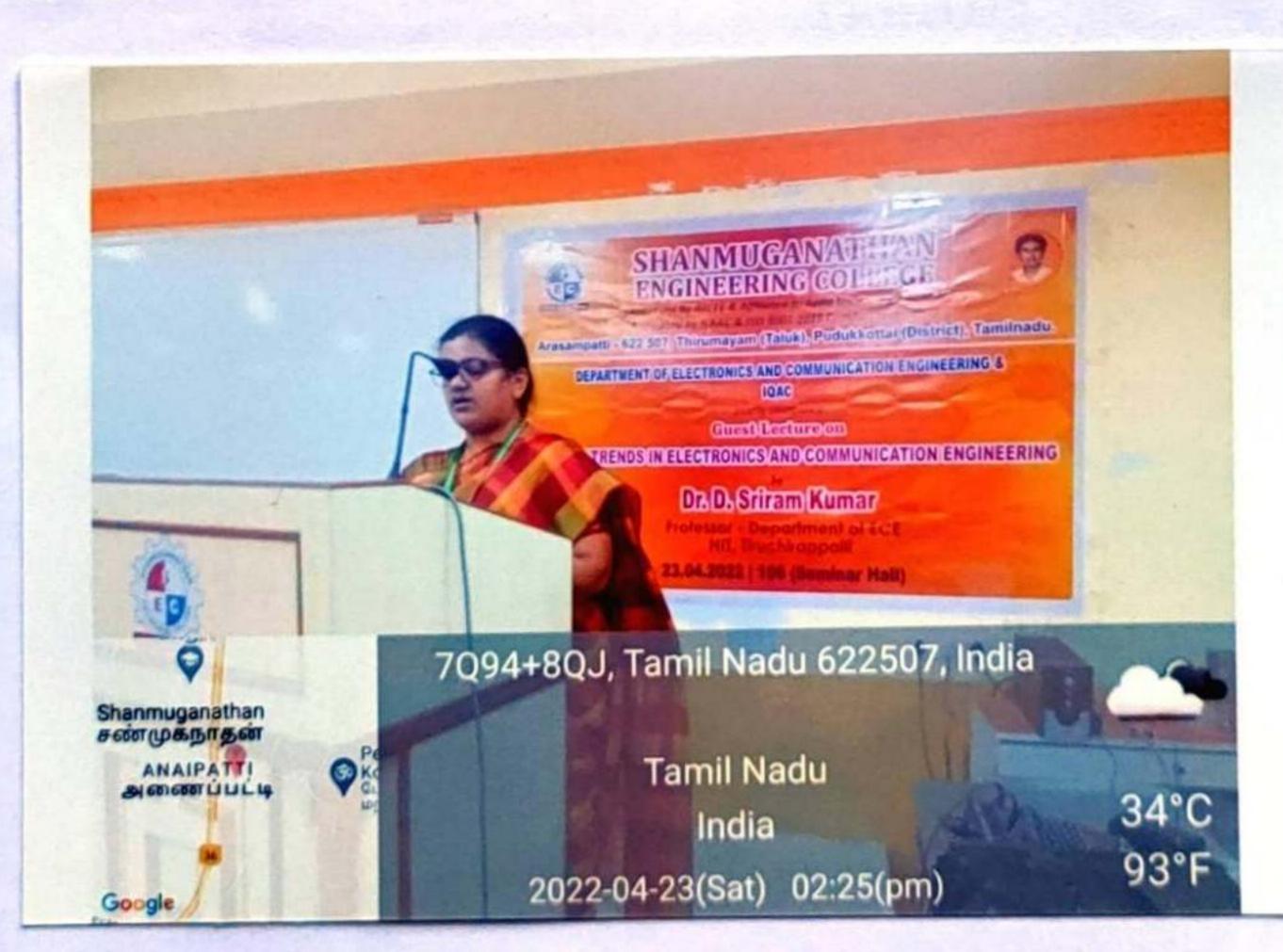
K.Swarna Amirthaa and P. Sivanandhini IV Year ECE interacted with students

GUEST LECTURE

Department of Electronics and Communication Engineering of Shanmuganathan Engineering College organized a Guest Lecture on "Recent Trends in Electronics and Communication Engineering" on 23rd April 2022 in Seminar Hall(106). Dr.D.Sriram Kumar, Professor at the National Institute of Technology, Trichy invited as a chief guest to deliver the special lecture. The lecture was attended by 26 students and 7 Faculty members of the Electronics and Communication Engineering Department.

The chief guest was heartily welcomed by Dr.R.Sornalatha, Associate Professor, HoD of Electronics and Communication Engineering and she has introduced Technical association "WAVES" office-bearers. Mr.D.Ramesh, Assistant Professor introduced the Chief guest. Dr.R.Sornalatha, Associate Professor honoured the chief guest with a shawl.

The speaker explains the recent trends such as the evolution of 5G, the future of the Internet of Things (IoT), and the development of Fiber to the Home (FTTH). The session was very interactive and students participated enthusiastically. The vote of thanks was given by Selvi. A.Rani Prabha, student of 3rd year ECE.



Dr.R.Sornalatha, HoD/ECE delivered a welcome address speech

POSTER PRESENTATION

Department of ECE and IQAC organized a Poster presentation for second and third-year ECE students on 28.04.2022 at Communication Lab. Totally 6 batches of third-year ECE students actively participated in the event. Students from second-year ECE along with Faculty members visited with eagerness to get knowledge from this event and asked their doubts. In this, the participant explains the new technical concepts in various topics. L.Bhuvaneshwari and P.Podhumani presented in the topic of Mobile Train Radio Communication. A.Reavathi and R.Abinaya presented in the topic of Internet of Things (IoT). J.SafrinNihar and K.Kapagavalli presented in the topic of Organic Light Emitting Diode (OLED). L.Muthukamatchi and R.Sivakami presented in the topic of 5G technology. G.Pargavi and A.Raniprabha presented in the topic of Hyperloop Transportation. R.AlaguRamanathan and S.Chidambaram presented in the topic of Antenna and Propagation.

The HoD-ECE and Mr.SP.Senthikumar, AP/ECE reviewed each poster and taught extra knowledge with pleasure and enthusiasm. The students participated and showed their posters with positive involvement. The overall event was successful and benefited to each and every student. The whole event was organized in the supervision of D.Ramesh, Assistant Professor and A.YasminNihara, Assistant Professor of ECE Department.



L.Bhuvaneshwari III-year ECE presented in front of Students and HoD/ECE



A.Revathi and R.Abinaya-III Year ECE presented in the topic of IoT



R.AlaguRamanathan and S.Chidambaram explains their concepts to the students

D

Dept. Technical Association Coordinator

HoD-ECE

Head of the Department
Department of Electronics and
Communication Engineering
SHANNUGANATMAN ENGINEERING COLLEGE
ARASAMPATTI - 622507. Pudukkottai Dt

Principal



DEPARTMENT OF ELECRONICS AND COMMUNICATION ENGINEERING

SHANMUGANATHAN ENGINEERING COLLEGE





ACADEMIC YEAR: 2021-2022 (EVEN SEMESTER)

IQAC REPORT OF DEPARTMENT ACTIVITIES FOR THE MONTH OF MAY 2022

The Department of Electronics and Communication Engineering and IQAC organized a webinar, Poster presentation and Technical Symposium for the benefit of ECE students in this month of May. The detail of ach event is given below with photographs.

1. WEBINAR

Department of Electronics and Communication Engineering and IQAC of Shanmuganathan Engineering College organized a webinar on "Awareness to get job opportunities after the graduation" on 4th May 2022 in Seminar Hall (106).Ms.Alamelu Annamalai, Service delivery lead, Cognizant Technology Solution, Connecticut, USA invited as a Resource person to deliver the webinar. The webinar was attended by 42 students and 7 Faculty members of the Electronics and Communication Engineering Department. The chief guest was heartily welcomed by Dr.R.Sornalatha, Associate Professor, HoD of Electronics and Communication Engineering Department. Selvi. J.Safrin Nihar, student of 3rd year ECE introduced the Chief guest.

The speaker explains the reasons people Struggle with getting a job out of college and how to get a job right out of college. The speaker gave idea about highest paying jobs, Core companies for ECE and explains how ECE students can apply for diverse job positions. The session was very interactive and students participated enthusiastically. The vote of thanks was given by selvan.S.Karthikeyan, student of 2nd year ECE.



Dr.R.Sornalatha, HoD/ECE delivered a welcome address speech

2. POSTER PRESENTATION

Department of ECE and IQAC organized a Poster presentation for second and third year ECE students on 12.05.2022 at Communication Lab. Totally 5 batches of second year ECE students actively participated in the event. Students from Third-year ECE along with Faculty members visited with eagerness to get knowledge from this event and asked their doubts. In this event, the participant explains the new technical concepts in various topics.

K.Selvaganesh' and P.Krishna presented in the topic of Block chain. M.Gowtham and K.Praveenraj presented in the topic of Bionic eye. P.Santhosh and NS.Rahul presented in the topic of Electronic skin. S.Karthikeyan and R.Bharath presented in the topic of GIGA bit wireless technology. M.Gokulakrishnan and M.Harishmaran presented in the topic of Virtual reality.

The HoD-ECE and Mr.A.Muthumanicckam, AP/ECE reviewed each poster and taught extra knowledge with pleasure and enthusiasm. The students participated and showed their posters with positive involvement.

The overall event was successful and benefited to each and every student. The whole event was organized in the supervision of D. Ramesh, Assistant Professor and A.Yasmin Nihara, Assistant Professor of ECE Department.



P.Krishna and K.Selva Ganesh - II year ECE presented in front of Students and HoD/ECE



M.Gowtham and K.Praveen Raj -III Year ECE presented in the topic Bionic Eye

3. TECHNICAL SYMPOSIUM

Department of Electronics and Communication Engineering of Shanmuganathan Engineering College organized a National Level Technical symposium, SPECTRA'22 on 31st May 2022 in Seminar Hall(106). Shri.S.P.Thipperudraswamy, Scientist, CSIR – CECRI, Karaikudi headed over the function. The SPECTRA'22 was attended by 22 students of various engineering colleges, 26 students and 7 Faculty members of the Electronics and Communication Engineering Department.

The chief guest was heartily welcomed by Dr.R.Sornalatha, Associate Professor, HoD of Electronics and Communication Engineering Department, and she has also welcomed the participants from various Engineering colleges. Dr.R.Sornalatha, Associate Professor, HoD of Electronics and Communication Engineering Department honored the chief guest with a shawl.

The chief guest motivated students that he is standing before them as a scientist due to his hard work. He insisted students to develop their skills through the technical knowledge what they required. He explained about core electronics and latest embedded system technologies.

The session was very interactive and 22 students from various engineering colleges participated in various technical events enthusiastically. The vote of thanks was given by Selvi. J.Safrin Nihar, student of 3rd year ECE.



Dr.R.Sornalatha, HoD/ECE delivered a welcome address speech



Shri.S.P.Thipperudraswamy, Scientist, CSIR – CECRI, Guest Speaker delivered an Inaugural address



P.A.Abirami and A.vincy from Mookambigai College of Engineeering presented a paper on Design of Hybrid Microstrip HighPass Filter for RF Amplifier



Dr.R.Sornalatha; HoD/ECE distributed cash award and certificates to the winners

Dh

Technical Association Coordinator

HoD/ECE

PRINCIPAL



DEPARTMENT OF ELECRONICS AND COMMUNICATION ENGINEERING

SHANMUGANATHAN ENGINEERING COLLEGE



ARASAMPATTI - 622 507

IQAC REPORT OF DEPARTMENT ACTIVITIES FOR THE MONTH OF JUNE 2022

DEPARTMENT TECHNICAL ASSOCIATION ACTIVITIES

The Department of Electronics and Communication Engineering and IQAC organized a workshop for the benefit of ECE students in this month of June 2022. The details of event are given below with photographs.

WORKSHOP

Department of Electronics and Communication Engineering of Shanmuganathan Engineering College and Marcello Tech, Trichy jointly organized a one day workshop on "Internet of Things (IoT) using Arduino" on 6th June 2022 in ECE Seminar Hall (315).

The experts from Marcello Tech, Trichy were called in for their expertise. The resource persons Mr. Vijay and Mr.Gopi were experts who conducted the session. The experts are heartily welcomed by Dr.R.Sornalatha, Associate Professor, HoD of Electronics and Communication Engineering. Total 26 students participated in this workshop. During workshop students had an exposure to various contents relating to IoT. During morning session participants understood the concept of IoT, sensors and actuators used in IoT applications. They were taught about architecture and cloud services and data analytics. During afternoon session of workshop students were made awareness about various protocols and security features of IoT. Throughout the day students had hands on sessions and troubleshooting of problems. The both sessions were very interactive and students participated enthusiastically.

Followed by, the valediction function of Waves association was conducted at VLSI Laboratory. At this event, the certificates for IoT workshop were distributed to the student participants and concluded the Waves association activities of this semester by Head of the Department. The vote of thanks was given by Selvi. J.SafrinNihar, student of 3rd year ECE.

- Harishmaran.M, Student, second year ECE has participated in SEC Annual Cultural Meet and won the First Prize in Pencil Sketch Drawing conducted by Shanmuganathan Engineering College held during June 2022.
- Sarumathi.P, Student, second year ECE has participated in Annual Cultural Meet and won the Second Prize in Pencil Sketch Drawing conducted by Shanmuganathan Engineering College held during June 2022.
- Safrin Nihar.J, Student, third year ECE has secured the First Place in academic performance with 9.4 CGPA at the SEC Annual Sports and Cultural Meet, Shanmuganathan Engineering College held on 16th June 2022.
- Bharath.R, Student, second year ECE has secured the First Place in academic performance with 8.86 CGPA at the SEC Annual Sports and Cultural Meet, Shanmuganathan Engineering College held on 16th June 2022.



Bharath.R, Student, second year ECE receives Prize from Shri.R.Ramakrishnan, I.P.S, Assistant Inspector General of Police, Welfare Chennai.

Technical Association Coordinator

HoD/ECE

Principal



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SHANMUGANATHAN ENGINEERING COLLEGE

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ARASAMPATTI - 622 507



From

Dr. M. Varadarajan,
HoD, Electrical & Electronics Engineering,
Shanmuganathan Engineering College,
Arasampatti - 622 507.

To

The Principal, Shanmuganathan Engineering College, Arasampatti-622 507

Sub: Symposium budget approval & sanction - Reg.

Respected sir,

It is proposed to conduct students' technical symposium – ESHOCK' 22 on 3rd June 2022. The approximate expenses for the conduct of various activities have been estimated as Rs. 38,000/(Thirty Eight Thousand only). I kindly request you to approve the budget and sanction an amount of Rs. 20,000/-(Twenty Thousand only), to conduct the symposium successfully. The detail of the tentative budget is attached for your kind perusal.

Thanking you,

Place: Arasampatti

Date: 18/5/2022

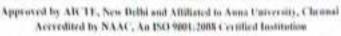
Yours Sincerely,

(Dr. M. Varadarajan) HoD / EEE



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SHANMUGANATHAN ENGINEERING COLLEGE







Date: 18.05.2022

SUBMITTED TO PRINCIPAL

Programme

: Students' Technical Symposium

Date

: 3 June 2022

Students contribution (Rs 250/- per student): Rs. 13250/-

Registration fee per batch (Rs 250/-): Rs.3750/-

Total contribution Rs. 17,000/-

The approximate expenses for the entire function are as follows.

	: Rs	5,000/-
Chief Guest	: Rs	1,000/-
Invitation (50 nos)	: Rs	1,000/-
Certificate (35 nos)	: Rs	3,000/-
Poster (50 nos)	: Rs	2,000/-
Refreshment (100 nos)	: Rs	15,000/-
Lunch (100 nos)	: Rs	3,000/-
Hall Arrangements *	: Rs	1,000/-
Registration (kit)	: Rs	5,400/-
Total prize Courier charge (50 colleges)	: Rs	1,500/-
ACCUSATION AND ACCUSA	; Rs	37,900/-
Total		

This is for your kind approval.

(Dr.M. Varadarajan) HoD/EEE

*Hall arrangements includes

i) Banner printing (stage & main gate)

ii) Reception items

iii) Decoration and Rangoli

Submitted to the Principal

Sub: One day work-shop - Regarding

The department of Electrical and Electronics Engineering planned to organize a one-day workshop on Internet of Things (IoT) using Aurdino general purpose board for 2nd and 3rd year B.E.(EEE) students on 30/05/2022 (Saturday). The workshop will be conducted in association with PANTECH, Trichy. In this regard, received the proposal from PANTECH and the details are enclosed for your kind perusal and approval

Name of the workshop	IoT using Aurdino
Date and Venue	30/04/2022, EE107 and Power System Simulation Lab
Number of Students	41 students (2nd and 3rd Year EEE students)
Fees	Rs 150 per Student

Thank You,

Yours Faithfully

(Dr M. Varadarajan)

HoD/EEE

Greetings from PANTECH!

M/S PANTECH, a major technological training and academic lab equipment manufacturer situated in Tiruchirappalli, Tamil Nadu, India would like to introduce ourselves. We have extensive experience in a variety of technology areas, and we cater to the training needs of faculty and students in the ECE, EEE, CSE, and IT fields.

Lately, Internet technology has infiltrated every aspect of our lives. It has gone from only being a means for people to people communication to becoming a medium for thing to thing communication, which we call Robotics. The expansion has created a plethora of options for technology-based firms and increased employment opportunities.

In a word, picture being able to switch on the oven (thing) 20 minutes before you arrive home and have it ready to cook... or checking your fridge, cupboards, or bread bin from afar to determine whether you need anything at the grocery.

SIGNIFICANCE OF PANTECH

- ✓ Manufacturer & Developer of Project DIY Kits
- ✓ Guidance for real time applications
- A track record of putting innovative ideas into action
- Faculty with high profile
- ✓ Training by Industry Experienced Engineers.
- Dissemination of up to date technological information.
- Maximum impetus on hands on practical sessions.

Top Colleges We Conducted FDP / Course / Workshop:

S.N o	College Name	State	Туре
1	National Institute of Technology, Trichy	Tamil Nadu	FDP
2	Coimbatore Institute of Technology, Coimbatore	Tamil Nadu	FDP
3	National Institute of Technology, Jaipur	Rajasthan	FDP
4	Ramco Institute of Technology, Rajapalayam	Tamil Nadu	Course
5	Kalasalingam University, Krishnankoil	Tamil Nadu	Course

SSION	TOPICS COVERED
1	Introduction to IoT and the overview of its Applications
2	Overview of Arduino Architecture
3	Arduino IDE and Embedded C Programming
4	Interface LED with Arduino (Hands On)
5	Interface with Serial communication UART (Hands On)
	Speed control of dc motor using PWM technique

II. Data from the Sensors / Interface to Cloud

Introduction and working principle to the sensor like ultrasonic sensor, LDR, IR, GAS and and interface the sensor data to cloud using API key. Apart from the Interface of Sensors, the participant will also develop a prototype mini project application using all the sensors and the API Integration learnt till date.

ESSION	CLASS TOPICS
1	Introduction & Working Principle of sensors Working & Interface of Ultrasonic , IR Sensor to Arduino & Programming
2	Working & Interface of Ultrasome, And DC Motor & Programming Working & Interface of Gas Sensor, LDR and DC Motor & Programming So Text Messaging.
3	Working & Interface of Gas School,
4	Install and Use of API Keys for Text Messaging. Mini Project Application Design - Garbage monitoring
5	Mini Project Application Design Collect the data using cloud Send an SMS using app notification

III. Creating a LOCAL HOST and Control the Appliances

Concept of Internet of Things is not complete, unless and otherwise the data is being uploaded to the cloud server and control of various desired applications initiated via the data from the cloud. This Session of the Training Program includes the webpage based control of Applications and reading status from the webpage.

SESSION TOPICS COVERED	
1	Designing Web Pages: Basics of HTML
2	Controlling Devices or appliances using webpage
3	APLLICATION Speed control of dc motor Speed control of light intensity
4	Reading Input Status from sensor and monitoring on webpage Temperature Humidity

Projects & Assignments

Practical 1 : Blinking of LED.

Practical 2: Turn ON / OFF Buzzer at desired delay.

Practical 3: Transferring data serially from PC to microcontroller

Project 1: TRAFFIC LIGHT Management with Delay

Project 2: Turn ON/Off appliances with Controller

Project 3: People counting using IR sensor

Training Methodology

The Programme is mix of Theory sessions, Quizzes, Hands on Sessions, Liver Interaction with Experts, Assignments and Practical Exercises, final presentations with the student which will gain the student knowledge as well as communication. Maximum Impetus is given to Hands on Sessions so as to enable the participants with the maximum knowledge transfer and satisfaction. The ratio of the theory, practical sessions will be 30:70.

Programme Advantages

Code with Explanations

Gain in-depth knowledge on IoT Concepts, Implementation and emphasis on coding by the participant themselves to develop some Mini / Major Project Applications.

Assignments

Assignments & Quizzes are being assigned at regular intervals through the implementation of the curriculum, to keep the participants updated and in line with the progress of the course program. The participants he Work on various assignments which will be graded by our Trainer.

Projects

The Hands on Assignment Practical's and Projects shall keep the participants engaged throughout the course program. Theses guided projects and assignments shall enable the participant to develop solutions to real world project scenarios. Projects assigned shall be Hardware / Simulation type,

Upon Successful Completion of the Program

- The participant will have an in-depth insight into the Arduino Programming, Sensor Interfacing and some Cloud Applications.
- The participants will be able to program the controller and develop basic / complex applications on his own, thus making the objective of the training program as
- Participants also will have access to our TECHNICAL FORUM, thus getting their



DEPARTMENT OF ELECTRICAL & ELECTRONICS AND ENGINEERING





ACADEMIC YEAR 2021-2022(EVEN SEM)

ASSOCIATION ACTIVITIES

APRIL 2022

SI NO	NAME OF THE EVENT	RESOURCE PERSON	DATE DATE
1	STUDENT SEMINAR – "RENEWABLE ENERGY" Mr. S. MOHAMED AAJITH Mr. K. SUNDARESAN Mr. R. ABISHEK		06.04.2022
2	MATLAB PROGRAMMING'S FOR ELECTRICAL ENGINEERS	Dr. M. VARADARAJAN, HoD/EEE Mr.S.MANIKANDAN, AP/EEE	09.04.2022
3	STUDENT SEMINAR – "PAPER BATTERY"	Ms. P. MOUNIKA Ms. K. PRIYADHAARSHINI	13.04.2022
4	SOLVING CIRCUIT THEORY PROBLEMS (MATRIX APPROACH)	Dr. M. VARADARAJAN, HoD/EEE Mrs.T.SELVASANKARI, AP/EEE	23.04.2022
5	STUDENT SEMINAR- HYDRO POWER PLANT & THERMAL POWER PLANT	Mr. M. VALLATHARASU Mr. P. SATHEESH KUMAR	27.04.2022
*6	SIMULATIONS OF TRANSIENTS – USING ODE SUITE	Dr. M. VARADARAJAN, HoD/EE Ms.B.LAVANYA, AP/EEE	E 30.04.2022

INVITATION

Office bearers and members of the EEE Association

DAZZLERS

Cordially invite you to the

SEMINAR

on

"HYDRO POWER PLANT

Presented by

VALLATHARASU.M

SATHEESH KUMAR.P

(Students of II-EEE)

DATE

: 27-04-2022

TIME

: 03:30 p.m.

VENUE

: SMART ROOM (EE107)

THERMAL POWER PLANT"



DEPARTMENT OF ELECTRICAL & ELECTRONICS AND ENGINEERING

SHANMUGANATHAN ENGINEERING COLLEGE ARASAMPATTI – 622 507



Weekly Association Activity Report

Name of the Activity

: Student Seminar

Title of the Lecture

: Hydro Power Plant & Thermal Power Plant

Name of the resource person

: Mr. M. Vallatharasu, Second year/EEE

Mr. P. Satheesh Kumar, Second year/EEE

Date & Venue

: 27.04.2022, EE107

Number of Student attended

: 48

Summary of the Guest lecture:

Mr. M. Vallatharasu, and Mr. P. Satheesh Kumar, of Second year Electrical and Electronics Engineering presented a seminar talk on "Hydro Power Plant & Thermal Power Plant". They organised the seminar talk in the following topics.

- Introduction to Power generation
- Site selection for hydro and thermal power plant
- Classification of hydro plants
- Working of thermal and hydro plants

They discussed about the power scenario in India. About 70% power generated is through thermal and 15-20% of power through hydro plants. They have brief discussion of some of the important thermal and hydel installations in India. The seminar ended with the student's interaction. At the end of the session Mr. Arun Kumar. N, Final year delivered vote of thanks.



DEPARTMENT OF ELECTRICAL & ELECTRONICS AND ENGINEERING







The Seminar talk on "Hydro Power Plant & Thermal Power Plant" was delivered by Mr. M. Vallatharasu, and Mr. P. Satheesh Kumar, of Second year

HoD/EEE

Principal



DEPARTMENT OF ELECTRICAL & ELECTRONICS AND ENGINEERING

SHANMUGANATHAN ENGINEERING COLLEGE ARASAMPATTI - 622 507



Weekly Association Activity Report

Name of the Activity

: Student Seminar

Title of the Lecture

: Paper Battery

Name of the resource person

: Ms. P. Mounika, Third year/EEE

Ms. K. Priyadharshini, Third year/EEE

Date & Venue

: 13.04.2022, EE107

Number of Student attended

:37

Summary of the Guest lecture:

Ms. P. Mounika, and Ms. K. Priyadharshini, of Third year Electrical and Electronics Engineering presented a seminar talk on "Paper Battery". They organised the talk in the following topics.

- Introduction to Paper battery
- Fabrication of paper battery with carbon nanotubes
- 3. Construction and working of paper batteries.

They explained how electricity can be produced from a paper battery. Also discussed the relative advantages and limitations of paper batteries compared to the conventional one. Potential areas of applications are also discussed at the end of talk. The seminar completed with the student's interaction. At the end of the session Ms. Sneha. M, Second year delivered vote of thanks.



DEPARTMENT OF ELECTRICAL & ELECTRONICS AND ENGINEERING SHANMUGANATHAN ENGINEERING COLLEGE

ARASAMPATTI - 622 507





The Seminar talk on "Paper Battery" was delivered by Ms. P. Mounika, and Ms. K. Priyadharshini, of Third year

HOD/EEE

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DEPARTMENT OF ELECTRICAL & ELECTRONICS AND ENGINEERING

SHANMUGANATHAN ENGINEERING COLLEGE ARASAMPATTI - 622 507



Weekly Association Activity Report

Name of the Activity

: Student Seminar

Title of the Lecture

: Renewable energy

Name of the resource person

: Mr. S. Mohamed Aajith, Final year/EEE

Mr. K. Sundaresan, Final year/EEE

Mr. R. Abishek, Final year/EEE

Date & Venue

:06.04.2022, EE107

Number of Student attended

:44

Summary of the Guest lecture:

Mr. S. Mohamed Aajith, Mr. K. Sundaresan and Mr. R. Abishek, of Final year Electrical and Electronics Engineering presented a seminar talk on "Renewable Energy" they organised the talk in the following topics.

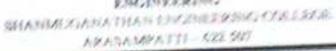
- Introduction to Renewable energy
- Solar energy and its utilization
- Wind power

They started their talk with the problems facing Indian power industry and its choices.

They described the solar energy potential in India and its utilization for power generation. They explained the wind power generation potential and how it helps the grid in meeting the demand. The seminar ended with the student's interaction. At the end of the session Mr. P. Sakthivel, Third year delivered vote of thanks.



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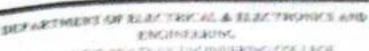


The Seminar talk on "Renewable Energy" was delivered by Mr. S. Mohamed Aajith, Mr. K. Sundaresan and Mr. R. Abishek, of Final year

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HoD/EEE

Principal







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contains and simulation are very important tools of system engineering that have now become as periods in all disciplines of engineering and science. It being to gain a better understanding their of the real world. It is also important for the disciplines of the real world. It is also important for the disciplines of the real world. The interioring of the real world. It is also important for the design of new pyment as they enable the motion behaviour before the pyment is acquain to the pyment as they enable. of the system behaviour before the system is actually built. Modelling and simulation also also at a malyse systems accurately under varying operating conditions. The key to the successful and all modelling and simulation techniques depends on the effective use of their software. to this is necessary that the student be familiar with MATLAB/Simulish programming software.

NATIVES as a tright-level computer language for scientific computing and data visualization built around at interactive programming environment. It is becoming the premier platform for scientific comming at educational institutions and research establishments, it is programmable and has the and inputal, relational, conditional and loop structures as ofter programming languages such as FORTRAN, C. BASIC and Pascel.

The great advantage of an interactive system is that programs can be tested and debugged quickly, slowing the user to concentrate more on the principles behind the program and less on programming sself filter there is no need to compile, link, and execute after each correction, MATLAB programs as to developed in a much shorter time than equivalent FORTRAN or C programs.

It can be used acach programming principles. It is a computational tool in general, in certain requesting courses such as control systems and signal processing, it is the standard software package for analysis and design. Its popularity is due to its user interface which provides an easy-to-use menative environment that includes numerical composation and visualization capabilities. It also tore extensive spoilboxes for various application areas. It is compatible across all piatforms which mades ment to share their programs. The objective of this course is to introduce MATLAB& minument and a how to perform basic mathematical computations for Electrical engineering Ridges



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VALUE ADDED COURSE

Department of Electrical and Electronics Engineering will conduct a value added course on "HANDS-ON training in MATLAB/Simulink" for electrical engineers.

SI.No.	Date	Topic
1	19.03.2022	Introduction to scientific computing in Matlab environment
2	26.03.2022	M-File, script file handling in Matlab
3	09.04.2022	Matlab programming's for Electrical Engineers
4	23.04.2022	Solving circuit theory problems (Matrix approach)
5	30.04.2022	Simulations of Transients - using ODE suit
6	07.05.2022	Introduction to Simulink
7	21.05.2022	Simulations of Transients - using Simulini
8	04.06.2022	Use of control systems tool box

HoD/EEE



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ARASAMPATTI 622 507



DEPARTMENT OF MECHANICAL ENGINEERING ASSOCIATION ACTIVITIES

Title of the activity

: Students Seminar

Date

22.01.2022

Time

: 3:30 pm - 4:20 pm

Venue

EEE Seminar hall

SLNe	Resource person	Topic of Seminar
01	R.Sabarinathan	Science and Technology Capacity Building for
02	M.Ramachandran	Industrial Needs

Summary: R.Sabarinathan and M.Ramachandran students of Final year, Department Mechanical Engineering attended the Technical Lecture on "Science and Technology Capacity Building for Industrial needs". Organized by Kings Engineering College in association with TAMILNADU STATE COUNCIL. FOR SCIENCE AND TECHNOLOGY, Chennai. They have shared their experiences gained in shares programme. This created a platform for students to improve their communication skills and participants to aware about industrial expectations and plan to improve themselves.



Mr.M.Ramachandran handled the session on schemes available in THC

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Mr.R.Sabarinathan handled the session on Industrial needs

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ARASAMPATTI - 622 507



DEPARTMENT OF MECHANICAL ENGINEERING ASSOCIATION ACTIVITIES

Title of the activity

: Students Seminar.

Date

: 26-03-2022.

Time

: 3:30 pm - 4:20 pm.

Venue

:EEE Seminar hall.

Sl.No	Resource person	Topic of Seminar
01	S.Swetha	Taste of English
02	P.Muthalagu	Robotics
03	C.Kamalanathan	Career opportunity in defence

Summary: S.Swetha, P.Muthalagu and C.Kamalanathan students of Final year, Department Mechanical Engineering handle the sessions in various topics which was eye opener to the II and III years students where they gained knowledge about basics of robotics, awareness about entering into defense area and importance of English language and easier way to learn quickly.



Ms. S.Swetha handled the session on Taste of English

HOD-MECHANICAL

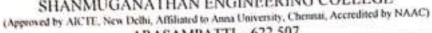
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Ms. P.Muthalagu handled the session on Robotics



C.Kamalanathan handled the session on Career opportunity in defense

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DEPARTMENT OF MECHANICAL ENGINEERING SHANMUGANATHAN ENGINEERING COLLEGE

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REPORT ON ADDITIVE MANUFACTURING GUEST LECTURE

Shanmuganathan Engineering College, Department of Mechanical Engineering Student Association and IQAC jointly organized Guest lecture on Additive Manufacturing on 30-03-22.

An inspiring guest lecture on the key Technical aspects of "Additive Manufacturing" was held for budding Mechanical Engineering students (For all years) on 30-3-2022 at 3:30 PM in Seminar Hall.. The resource person Dr.N.Siva Shanmugam, Associate Professor, Department of Mechanical Engineering, NIT, Trichy conducted the guest lecture very effectively

During the Lecture Dr. N. Siva Shanmugam discussed in detail about Additive Manufacturing and illustrated about both theoretical and practical applications of Additive Manufacturing.

Dr.N.Siva Shanmugam comprehensively answered various questions related to Additive Manufacturing, Resource person commended the efforts of Shanmuganathan Engineering college for conducting guest lecture by experts to make the students to improve knowledge in advanced areas in Mechanical Engineering.

Student feedback was positive and they felt that the session was informative and useful.

The programme conducted successfully by the Support, Valuable guidance and Encouragement of Principal sir and Management.



Guest lecture on "Additive Manufacturing" by Dr.N.Siva Shanmugam, Associate Professor, Department of Mechanical Engineering, NIT, Trichy. On 30-3-2022- Seminar Hall 106

Hod (Mechanical)

PARTMENT OF MECHANICAL FEEDON FEEDON

Principal



SHANMUGANATHAN ENGINEERING COLLEGE (Approved by AICTE, New Delbi, Affiliated to Anna University, Chemnit, According by NAAC)







Guest lecture on "Additive Manufacturing" by Dr.N.Siva Shanmugam, Associate Professor, Department of Mechanical Engineering, NIT, Trichy. On 30-3-2022- Seminar Hall 106

Hod (Mechanical)



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DEPARTMENT OF MECHANICAL ENGINEERING ASSOCIATION ACTIVITIES

Title of the activity

: Students Seminar.

Date

: 05-04-2022

Time Venue : 3:30 pm - 4:20 pm. : EEE Seminar hall.

SLNo	Resource person	Topic of Seminar
01	Mr.A.Ajay -III Year	6 stroke engine
02	Mr JR Abhinav Sharon- III Year	Application of Turning Center

Summary: A Relearning seminar was conducted by the students by using visual aids presentations. They had clearly explained about Principal, Construction, Types, Applications, Merits and Demerits in both the topics. The seminar gives opportunity for the individual development and also gives recalling the basics for other students.



Mr.JR. Abhinav Sharon explaining about construction of Turning Center

HOD-MECHANICAL

PRINCIPAL



SHANMUGANATHAN ENGINEERING COLLEGE

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DEPARTMENT OF MECHANICAL ENGINEERING ASSOCIATION ACTIVITIES

Title of the activity

: Students Seminar.

Date

: 12-04-2022.

Time

: 3:30 pm - 4:20 pm.

Venue

: EEE Seminar hall.

SLNo	Resource person	Tank of Continu
01	Mr.R.Aravidhan -III Year	Micro Machining
	Mr.A.Berthinath Anbarasan-III Year	Artificial Intelligence
03	Mr.B.Mageshpandiyan -III Year	Types of Gear Box

Summary: Third year students of Mechanical Engineering had presented seminar on advance trends in the field of Micro Machining, AI, and Gearbox. Students was able to aware about process in micro machining and procedure for manufacturing it. Artificial Intelligence seminar was an eye opener to all the participants in growth of engineering. Third year students derived the conceptual idea for using in design and fabrication projects in brain storming sessions of gear box seminar



Mr.R. Aravidhan handled the session on Micro Machining

HOD- MECHANICAL









Mr.A.Berthinath Anbarasan handled the session on Artificial Intelligence



Mr.H.Mageshpundiyan handled the session on Types of Gear Box.

HOD- MECHANICAL



SHANMUGANATHAN ENGINEERING COLLEGE

(Aggreed by AICTE, New Delle, Additional to Anna University, Chemini, Accredited by NAAC)

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DEPARTMENT OF MECHANICAL ENGINEERING ASSOCIATION ACTIVITIES

Title of the activity	: Workshop
Date	: 19-04-2022.
Venue	: 106 Seminar hall.

SLNo			Topic of Seminar
01	Mr.B.Kalaiselvan , Director	- 3D Printing Academy	Innovative Manufacturing

Summary: An effective Hand on Training on "Innovative Manufacturing" was held for budding Mechanical Engineering students (For all years), the resource person Mr.B.Kalaiselvan, Director — 3D Printing Academy explained in detail about 3D printing from origin to recent update. After the theoretical session we had manufactured a Spur gear component using polyethylene material. He comprehensively answered various questions related to 3D Printing. Student feedback was positive and they felt that the session was informative and useful. The programme conducted successfully by the Support, Valuable guidance and Encouragement of Principal and Management.



Mr.R. Thirumavalavan (Head of the Department) introducing guest speaker Mr.B. Kalaiselvan

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SHANMUDANATHAN ENGINEERING COLLEGE
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View of 3D Printer Machine

HOD MECHANICAL

PRINCIPAL



SHANMUGARATHAN ENGINEERING COLLEGE

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DEPARTMENT OF MECHANICAL ENGINEERING ASSOCIATION ACTIVITIES

Title of the activity Stadents Seminar.

Date 26-04-2022
Time 3.30 pm. - 4:20 pm.

Venue EET Seminar ball.

51.No	Resource person	Topic of Seminar:
01:	Mr.A.Ajay	Vehicle Automation
02:	Mr.Arun karthick	Nano Technologies

Summary: Mr.A.Ajay and Mr.Arun karthick students of Second year. Department Mechanical Engineering handle the sessions in various topics which was eye opener to the II and III years students where they gained knowledge about busies of Vehicle Automation and Naso technologies.



Mr.A.Ajay bandled the session on Vehicle Automation

HOD- MECHANICAL

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SHANMUGANATHAN ENGINEERING COLLEGE
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DEPARTMENT OF MECHANICAL ENGINEERING ASSOCIATION ACTIVITIES

Title of the activity

Students Seminar

Date

30-04-2022

Time Venue : 3:30 pm - 4:20 pm: EEE Seminar hall.

SLNs	Resource person	Topic of Seminar
01	Mr.S.Santhosh Kumar	Opportunity for Mechanical Engineers in Defence Sector

Summary: A seminar was conducted to II and III year students on the topic Opportunity for Mechanical Engineers in Defence Sector where the students got aware about the scope and procedure to apply for the job and key idea to prepare and crack the entrance exam



Mr.S. Sauthork Kamer explaining about defence opportunity.

HOD-MECHANICAL

ACADEMIC YEAR

2021-2022



DEPARTMENT OF SCIENCE & HUMANITIES SHANMUGANATHAN ENGINEERING COLLEGE ARASAMPATTI – 622 507



Guest Lecture

As part of the Association Activity Mrs.S.Ponmani, AP/Physics conducted a special session to all the first year students on the topic Synthesis and characterization of polymer electrolytes on 27.05.2022. All the first year students were benefitted.





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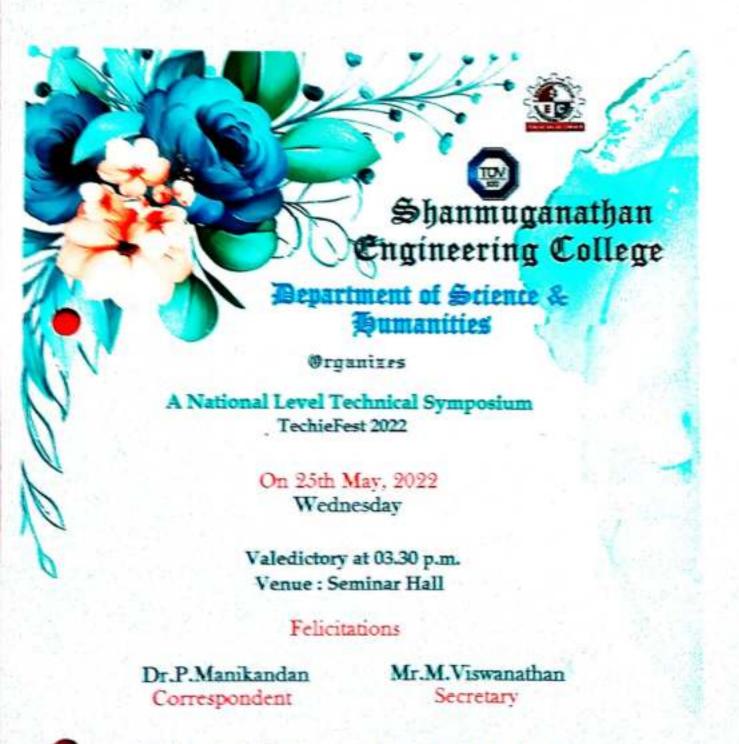
Techiefest 2022

A National Level Technical Symposium TechieFest 2022 was held on 25-05-2022 (Wednesday) exclusively for first year students. Dr.KL.Muthuramu Principal & Special Guest Dr.N.Suganthy, Assistant Professor, Department of Nano Science & Technology, Alagappa University inaugurated the Symposium. The special guest gave a Key note address on the recent developments in Nano Science & technology. Dr.P.Manikandan Correspondent and Dr.KL.Muthuramu, Principal distributed the prizes to the winners in the valedictory ceremony. . More than 80 Students from various colleges have participated in the symposium.





Hedrsen



Welcome Address Dr.N.Vennila HoD - First Year Presidential Address
Dr.KL.Muthuramu
Principal





SHANMUGANATHAN ENGINEERING COLLEGE Department of Science & Humanities



Approved by AICTE, Affiliated to Anna University, Chennai (Accredited by NAAC & ISO 9001-2015 Certified Institution)

A National Level Technical Symposium TechieFest 2022

Date: 25-05- 2022 (Wednesday)

Time: 10.00 a.m.

Venue: Seminar Hall

Agenda

invocation

1) Welcome Address : Dr.N. Vennila, HoD / First Year

2) Presidential Address: Dr.KL.Muthuramu, Principal

3) Chief Guest Address: Dr.N.Suganthy, Assistant Professor Alagappa University, Karaikudi

4) Vote of Thanks

National Anthem



SHANMUGANATHAN ENGINEERING COLLEGE





(Accredited by NAAC & ISO 9001-2015 Certified Institution)

A National Level Technical Symposium TechieFest 2022

Date: 25-05- 2022 (Wednesday)

Time: 03.30 p.m. Venue: Seminar Hall

Agenda

Invocation

1) Welcome Address : Dr.N. Vennila, HoD / First Year

2) Presidential Address : Dr.KL.Muthuramu, Principal

3) Felicitations

: 1) Dr.P.Manikandan, Correspondent

2) Mr.M.Viswanathan, Secretary

4) Prize Distribution

5) Vote of Thanks

National Anthem

- Word limit for the abstract is 500
- PPT presentation is optional
- The Abstract, full paper and duly filled in registration form should be send to techiefest@gmail.com or

The Convener, TechieFest 2022 Shanmuganathan Engineering College, Arasampatti, Pudukottal - 622507.

Registration Fee:

Students -250/-

(Registration fee includes Lunch & Symposium Kit)

Demand Draft should be drawn in favour of

The Principal,

Shanmuganathan Engineering College

Payable at Thirumayam

or Credit the fee into

Account No.: 11287993838

IFSC Code : SBIN0000972 or

Gpay to : 88704 36599

Important Dates:

Abstract Submission :14-05-2022

Intimation of selection :16-05-2022

Full paper submission

with registration fee :21-05-2022

Other Events:

Last date of registration :23-05-2022

For Queries Contact:

Ms. S.Meenakshi, AP/Chemistry - 6374133195,

8870436599

Mrs. GRamya, AP/Mathematics - 63828 33025

88700 50121

SHANMUGANATHAN ENGINEERING COLLEGE ARASAMPATTI

TechieFest 2022 One Day National Level Technical Symposium

Registration Form

Name

Department

Name of the Institution :

Contact No.

E-mail

Title of the paper/ Event

DD. No. / GPay / Acc.Details :

Name of the Bank :

Amount & Date

Place

Date

Signature of the participant

Recommended:

Signature & Seal of the Head of the Department / Institution

* This form can also be photocopied

SHANMUGANATHAN ENGINEERING COLLEGE ARASAMPATTI

Approved by AICTE, New Debt and Affiliated to Anna University Chiefral Accredited by NAAC & ISO 9001 2015 Certified Institution Therumayers Table, Pudaphostal District - 622 807

TechieFest 2022 One Day National Level Technical Symposium

(For First Year B.E / B.Tech. Students)

On 25th May, 2022 (Wednesday)



Organized by Department of Science & Humanities

Shanmuganathan Engineering College Pudukkottai - 622 507

Phone: 04333 274 913, 274 914

Fax : 04333 274 912,

Web : www.shanmugnathanengg.in

Email: techiefest@gmail.com



DEPARTMENT OF SCIENCE & HUMANITIES SHANMUGANATHAN ENGINEERING COLLEGE ARASAMPATTI - 622 507



Guest Lecture

As part of the Association Activity Ms.K.Divya, AP/Chemistry conducted a special session to all the first year students on the topic Development of polymer nanocomposite proton exchange membranes for electrochemical energy devices on 20.05.2022. All the first year students were benefitted.





H6D S&H

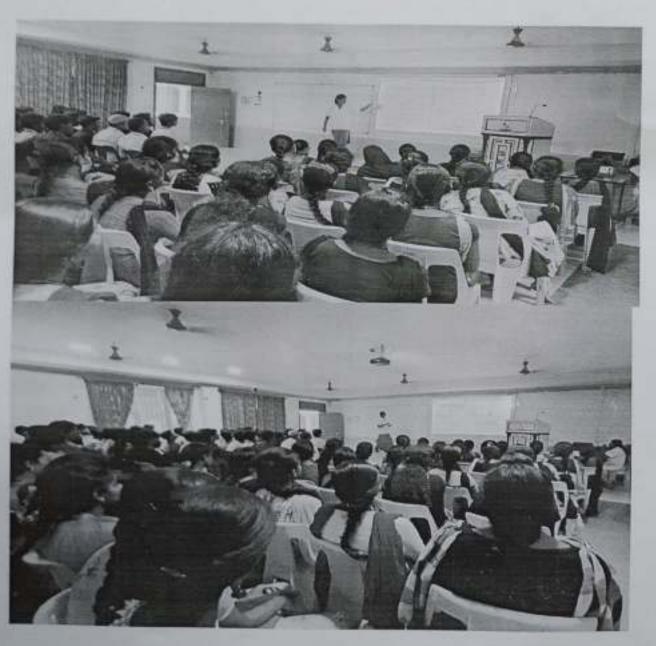


DEPARTMENT, OF SCIENCE & HUMANITIES SHANMUGANATHAN ENGINEERING COLLEGE ARASAMPATTI – 622 507



Guest Lecture

As part of the Science Club Ms.R.kaliammal, AP/Physics conducted a special session to all the first year students on the topic Crystal growth for nonlinear optical applications on 13.05.2022. All the first year students were benefitted.



Hod/S&H



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Seminar

Association activity was held on 07-05-2022. Student Rajeshwaran presented on the topic Processor as part of the student seminar. All the first year students were benefitted.





Hod/s&H



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Quiz Programme

Science Club Activity was held on 06-05-2022.Students RV.Thenmozhi & R.Sundharavathana conducted quiz for all the first year students.



Hoden



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Quiz Programme

Mathematics Club Activity was held on 29-04-2022. Students A.Abirami and M.Swathi conduced quiz for all the first year students.





HoD/S&H



DEPARTMENT OF SCIENCE & HUMANITIES SHANMUGANATHAN ENGINEERING COLLEGE ARASAMPATTI – 622 507



Motivational Programme

Motivational Programme for all the first year students were conducted on 23-04-2022. Principal and all the department HoDs were present on that event and students were motivated.





HoD/S&H



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Speeking Skills

Language Club Activity was held on 22-04-2022. Interactive Session on Speaking skills was arranged with the first year students and all the first year students were benefitted.





Hod/sen



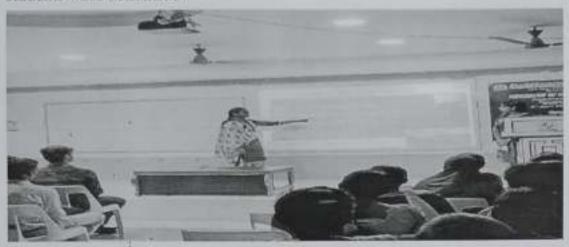
DEPARTMENT OF SCIENCE & HUMANITIES SHANMUGANATHAN ENGINEERING COLLEGE ARASAMPATTI – 622 507



<u>Department Activities</u> Academic Year 2021-2022 Even Semester

Student Seminar

As part of the Association Activity, Students CT.Swethand R.Soundariya have presented the students Seminar on the topic Mars on 09-04-2022. All the first year students were benefitted



Students A.Maheswari and S.Alagia Anna Poorani have presented the students Seminar on the topic Electric Vehicles on 09-04-2022. All the first year students were benefitted



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DEPARTMENT OF SCIENCE AND HUMANITIES SHANMUGANATHAN ENGINEERING COLLEGE (Accredited by NAAC & ISO 9001:2015 Certified Institution) ARASAMPATTI - 622 507



Association Activities (2021-2022 Odd Semester)

Department of Science and Humanities conducted by S&H association on 12th February 2022. First year students R Meena & B Swathi gave PowerPoint Presentation on the title of Superconductor, K Thrisha the topic semiconductor, A Abirami on the topic elasticity, G Sabari & Gowtham gave power point presentation on 5G Network. The special PowerPoint presentation prize was won by Sabri and Gowtham of It year CSE students, C Vijay First year student delivered the vote of thanks.









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DEPARTMENT OF SCIENCE AND HUMANITIES SHANMUGANATHAN ENGINEERING COLLEGE

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Association Inaugural Function (2021-2022 Odd Semester)

Department of Science and Humanities inaugurated the S&H association on 5th February 2022. Dr.N. Vennila, HoD/S&H welcomed the gathering. First year students KR.Bhuvanesh, P.Vigneshwaran. Presented their topic Lasers and Holography, S.Rajesh Presented his paper on Nano technology. B.Swathi First year student delivered the vote of thanks.





HoD-S&H

SHANMUGANATHAN ENGINEERING COLLEGE ARASAMPATTI



DEPARTMENT OF SCIENCE AND HUMANITIES SHANMUGANATHAN ENGINEERING COLLEGE Accredited by NAAC & ISO 9001-2015 Certified Institution ARASAMPATTI - 622 507



Motivational Programme

The motivational programme was held on 02-12-2021 for the benefit of first year and second year students. Dr.N.Vennila, HoD/ S&H, welcomed the gathering, Dr.K.L.Muthuramu, Principal felicitated the function. Dr.P.Manikandan, Correspondent gave the presidential address. Manithatheyni R.Chokalingam. Chairman, Kaviyarasu Kannadhasan Charity Forum, Madurai acted as a chief guest. He gave the special address titled Payirchi, Muyarchi, Mahilchi, Dr.P.Manikandan, Correspondent, handed over the fee concession assurance letters to the meritorious Lateral entry students. Mrs.G.Ramya, Assistant Professor Department of Mathematics proposed vote of thanks. All the HoDs, staff members and students participated in the programme.





HoD/S&H