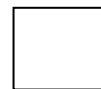




Engg College



/ Polytechnic



The Institution of Engineers (India)

(ESTABLISHED 1920, INCORPORATED BY ROYAL CHARTER 1935)

8 GOKHALE ROAD, KOLKATA – 700 020

PROFORMA OF REPORT FROM STUDENTS' CHAPTER

(1 April 2021 - 31 March 2022)

Name of the Students' Chapter: Sri Manakula Vinayagar Engineering College

Branch of Engineering (for Engg College only): Instrumentation and Control Engineering

Chapter Code:

Date of Enrolment as Students' Chapter of IEI: 10.03.2022

Name of Adviser with contact no and e-mail: Dr. L. M. Varalakshmi

Please fill in the format given below. Extra sheets of paper indicating the details of various events be attached with the proforma. All technical activities and events conducted by the Chapter must be accompanied with the photographs taken on the event. Activity reports not complete or not supported by photographs shall not be considered for Award. Please provide the details of each activity (in M S Word) in a separate sheet, the prescribed proforma is provided herewith

1. Date of Election:

2. Date of AGM :

Sl No	Technical Activity	No of activities per Quarter (Qtr)				Details with photograph in Page No (range) (From__To __)
		Qtr 1	Qtr 2	Qtr 3	Qtr 4	
3.	Committee Meeting/s	1			2	
4.	Lecture	1		4	24	
	Paper presentation				3	
5.	Seminar	1		1	5	
	Workshop			2	7	
	Conference					
6.	Technical/Project Demonstration	1	1	1	4	
	Model competition		1		2	
	Poster Competition	1			3	
7.	Group Discussion	1			4	
	Technical Quiz				2	
	Aptitude Test		3		3	
8.	Technical Visit			1	8	
9.	Film show				1	
	Display of Technical Information				3	
10.	Short term course (Course duration minimum 3 days)				2	
11.	Any other technical activity				6	

Number of photographs attached.

First Quarter: 06

Second Quarter: 05

Third Quarter: 10

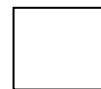
Fourth Quarter: 79

Signature of the Faculty Advisor

with date affixed with seal

Signature of the Principal

with date affixed with seal

**Details of Technical Activity**

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: IEI Meeting-3**Date:** 09.03.2022**Duration:** 90 Mins**No of Students Participated:** 15 Staff**Photographs with caption:**

(Activity reports not supported by photographs shall not be considered for award)

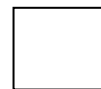


Third meeting with IEI Coordinators

Details:**Chief Guest/ Guest of Honor:****Designation:****Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Report**

(maximum 250 words)

The IEI meeting has been conducted on 09.03.2022 at Library. The faculties members from various department attended the meeting. The IEI Convenor Dr. L.M. Varalakshmi welcomed the staff members and discussed the submission of proposals to organize the events, conclave, journal submission and grant.



Title /Theme: Guest Lecture on “Instruments in Industries”

Date: 18.02.2022

Duration: 2.5 Hrs

No of Students Participated: 74

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



Resource person deliver the Guest lecture

Details:

Chief Guest/ Guest of Honor: Mr. Ankit Shah

Designation: Customer Support Engineer, Forbes Marshal Pvt Ltd

Speaker: Mr. Ankit Shah

Designation/Organization: Customer Support Engineer, Forbes Marshal Pvt Ltd

Speaker:

Designation/Organization:

Speaker:

Designation/Organization:

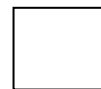
Report

(maximum 250 words)

The Department of Instrumentation and Control Engineering organized a Guest Lecture Titled as “Instruments in Industries” on 18.02.2022 for the II Year and III Year students. The chief Guest of this event is **Mr. Ankit Shah, Customer Support Engineer, Forbes Marshal Pvt Ltd**

To provide broad intellectual enrichment and exposure to the core subject of the instrumentation department, Mr. Ankit was invited to share his knowledge on Instruments in industry sector. All the IEI student members participated in this technical event.

Title /Theme: Guest Lecture on “Instruments in Industries”

**Date:** 05.03.2022**Duration:** 2.5 Hrs**No of Students Participated:** 50**Photographs with caption:***(Activity reports not supported by photographs shall not be considered for award)*

Resource person deliver the Guest lecture

Details:**Chief Guest/ Guest of Honor:** Mrs.K.Elakkiya
Designation: Software Developer, CTS**Speaker:** Mrs.K.Elakkiya
Designation/Organization: Customer Support Engineer, Forbes Marshal Pvt Ltd**Speaker:**
Designation/Organization:**Speaker:**
Designation/Organization:**Report***(maximum 250 words)*

The Department of Instrumentation and Control Engineering organized a Guest Lecture Titled as “Instruments in Industries” on 18.02.2022 for the II Year and III Year students. The chief Guest of this event is **Mr. Ankit Shah, Customer Support Engineer, Forbes Marshal Pvt Ltd**

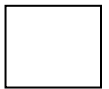
To provide broad intellectual enrichment and exposure to the core subject of the instrumentation department, Mr. Ankit was invited to share his knowledge on Instruments in industry sector. All the IEI student members participated in this technical event.

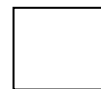


Engg College



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Title /Theme: Guest Lecture on “Recent Trends of PLC and SCADA in Automation Industries”

Date: 17.03.2022

Duration: 2.5 Hrs

No of Students Participated: 90 Students

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



Honoring the Chief Guest

Details:

**Chief Guest/ Guest of Honor: Er. Sri Ram,
Designation: Automation Engineer, GAIL.**

**Speaker: Er. Sri Ram,
Designation/Organization: Automation Engineer,
GAIL.**

**Speaker:
Designation/Organization:**

**Speaker:
Designation/Organization:**

Report

(maximum 250 words)

The Department of Instrumentation and Control Engineering organized a Guest Lecture Titled as “Recent Trends of PLC and SCADA in Automation Industries” on 17.03.2022 for the III Year students. The chief Guest of this event is Er. Sri Ram, Automation Engineer, GAIL.

To provide broad intellectual enrichment and exposure to the core subject of the instrumentation department, Er. Sri Ram was invited to share his knowledge on Recent Trends of PLC and SCADA in Automation Industries. All the IEI student members participated in this technical event.



Title /Theme: Guest Lecture on "Recent trends on Programmable Device"

Date: 24.03.2022

Duration: 2.5 Hrs

No of Students Participated: 90 Students

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



Honoring the Chief Guest

Details:

Chief Guest/ Guest of Honor: Mr.A.Ashiq Ahamed,
Designation: Managing Director and Chief Trainer, Bystate Systems,Puducherry

Speaker: Mr.A.Ashiq Ahamed,
Designation/Organization: Managing Director and
Chief Trainer,Bystate Systems,Puducherry

Speaker:
Designation/Organization:

Speaker:
Designation/Organization:

Report

(maximum 250 words)

Mr. Mr.A.Ashiq Ahamed, Managing Director and Chief Trainer,Bystate Systems,Puducherry delivered the guest lecture to the II Year and III year students about "Recent trends on Programmable Device" on 24.03.2022.



Title /Theme: Guest Lecture on “Recent Trends of PLC and SCADA in Automation Industries”

Date: 14.03.2022 to 15.03.2022

Duration: 2.5 Hrs

No of Students Participated: 39 Students

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



Glimpse of Hands on Training

Details:

Chief Guest/ Guest of Honor: Er. S. Balabasker,
Designation: Founder, Ediy labs Technology solutions, Cuddalore

Speaker: Er. S. Balabasker,
Designation/Organization: Founder, Ediy labs
Technology solutions, Cuddalore

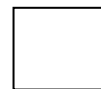
Speaker:
Designation/Organization:

Speaker:
Designation/Organization:

Report

(maximum 250 words)

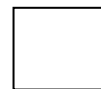
The Department of ICE two days Hands on training cum workshop on “Basics of Arudino Programming for Beginners” to First year first semester ICE department students (37 Nos) from 14.03.2022 to 15.03.2022. **Er. S. Balabasker, Founder, Ediy labs Technology solutions, Cuddalore** conducted the hands on training session. The whole session is more interesting and interacted. The students gained more knowledge about the basics of Arudino

**Title /Theme: Project Demonstration****Date:** 07.11.2022**Duration:** 2.5 Hrs**No of Students Participated:** 39 Students**Photographs with caption:***(Activity reports not supported by photographs shall not be considered for award)*

Students Demonstrate the project

Details:**Chief Guest/ Guest of Honor:** Er. S. Balabasker,
Designation: Founder, Ediylabs Technology solutions, Cuddalore**Speaker:** Er. S. Balabasker,
Designation/Organization: Founder, Ediylabs
Technology solutions, Cuddalore**Speaker:**
Designation/Organization:**Speaker:**
Designation/Organization:**Report***(maximum 250 words)*

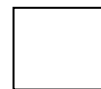
The Department of ICE students demonstrate the project on the project viva voce held at 07.11.2022

**Title /Theme: Model Competition****Date:** 10.03.2022**Duration:** 2.5 Hrs**No of Students Participated:** 60 Students**Photographs with caption:***(Activity reports not supported by photographs shall not be considered for award)*

Students Demonstrate the model

Details:**Chief Guest/ Guest of Honor:**
Designation:**Speaker:**
Designation/Organization:**Speaker:**
Designation/Organization:**Speaker:**
Designation/Organization:**Report****(maximum 250 words)**

The Department of ICE students demonstrate the project on the project viva voce held at 10.03.2022



Title /Theme: Group Discussion on Cryptocurrency

Date: 10.03.2022

Duration: 2.5 Hrs

No of Students Participated: 60 Students

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



Details:

Chief Guest/ Guest of Honor: Designation:	
Speaker: Designation/Organization:	Speaker: Designation/Organization:
Speaker: Designation/Organization:	

Report

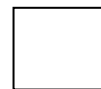
(maximum 250 words)

On this occasion of World water day celebration on 10.03.2022, several competitions were also organized like Slogan Writing, Poster Making and Quiz related to importance of water in our life. The winner of each competition was awarded.

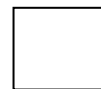
**Title /Theme: Technical Quiz****Date:** 10.03.2022**Duration:** 2.5 Hrs**No of Students Participated:** 60 Students**Photographs with caption:***(Activity reports not supported by photographs shall not be considered for award)***Details:****Chief Guest/ Guest of Honor:**
Designation:**Speaker:**
Designation/Organization:**Speaker:**
Designation/Organization:**Speaker:**
Designation/Organization:**Report***(maximum 250 words)*

Quiz competitions are always interesting and informative, which provide excitement among the Students. The main objective of this event to make them aware of recent general knowledge related to Technical subjects.

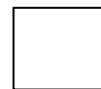
Quiz competition was conducted for IEI members on 12.03.2022 with a total participation of 63 students. Students' skills were tested on electrical, electronics and general knowledge. Prize was distributed to the top 2 teams. Categories are chosen in a way to encourage teamwork, boost confidence and build students' soft skills. It was very informative and knowledge enriching competition for the participants. Virtual platform based competition gives better experience to the participants.

**Title /Theme: Aptitude Test****Date:** 10.03.2022**Duration:** 2.5 Hrs**No of Students Participated:** 60 Students**Photographs with caption:***(Activity reports not supported by photographs shall not be considered for award)***Details:****Chief Guest/ Guest of Honor:**
Designation:**Speaker:**
Designation/Organization:**Speaker:**
Designation/Organization:**Speaker:**
Designation/Organization:**Report***(maximum 250 words)*

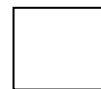
On this occasion of World water day celebration on 10.03.2022, several competitions were also organized like Slogan Writing, Poster Making and Quiz related to importance of water in our life. The winner of each competition was awarded.

**Title /Theme: Industrial Visit****Date:** 05.03.2022**Duration:** 1 Day**No of Students Participated:** 39 Students**Photographs with caption:***(Activity reports not supported by photographs shall not be considered for award)***Details:****Chief Guest/ Guest of Honor:****Designation:****Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Report***(maximum 250 words)*

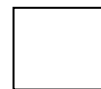
Industrial Visit has been arranged for the First year students to enhance their practical knowledge.

**Title /Theme: Industrial Visit****Date:** 01.04.2022 to 03.04.2022**Duration:** 3 Days**No of Students Participated:** 31 Students**Photographs with caption:***(Activity reports not supported by photographs shall not be considered for award)***Details:****Chief Guest/ Guest of Honor:****Designation:****Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Report****(maximum 250 words)**

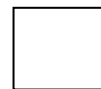
Industrial Visit has been arranged for the second year students to enhance their practical knowledge.

**Title /Theme: Industrial Visit****Date:** 01.04.2022 to 03.04.2022**Duration:** 3 Days**No of Students Participated:** 32 Students**Photographs with caption:***(Activity reports not supported by photographs shall not be considered for award)***Details:****Chief Guest/ Guest of Honor:****Designation:****Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Report***(maximum 250 words)*

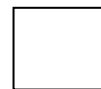
Industrial Visit has been arranged for the final year students to enhance their practical knowledge.

**Title /Theme: Sharing of Technical Information****Date:** 10.03.2022**Duration:** 1 Hr**No of Students Participated:** 39 Students**Photographs with caption:***(Activity reports not supported by photographs shall not be considered for award)***Details:****Chief Guest/ Guest of Honor:****Designation:****Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Report***(maximum 250 words)*

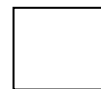
Sharing of technical event has been conducted for the First year students to enhance their practical knowledge.

**Title /Theme: Slogan writing****Date:** 10.03.2022**Duration:** 1 Hr**No of Students Participated:** 79 Students**Photographs with caption:***(Activity reports not supported by photographs shall not be considered for award)***Details:****Chief Guest/ Guest of Honor:**
Designation:**Speaker:**
Designation/Organization:**Speaker:**
Designation/Organization:**Speaker:**
Designation/Organization:**Report****(maximum 250 words)**

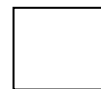
On this occasion of World water day celebration on 10.03.2022, several competitions were also organized like Slogan Writing, Poster Making and Quiz related to importance of water in our life. The winner of each competition was awarded.

**Title /Theme: Technical Elocution****Date:** 10.03.2022**Duration:** 1 Hr**No of Students Participated:** 39 Students**Photographs with caption:***(Activity reports not supported by photographs shall not be considered for award)***Details:****Chief Guest/ Guest of Honor:****Designation:****Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Report***(maximum 250 words)*

On this occasion of World water day celebration on 10.03.2022, several competitions were also organized like Slogan Writing, Poster Making and Quiz related to importance of water in our life. The winner of each competition was awarded.

**Title /Theme: short film Making****Date:** 10.03.2022**Duration:** 1 Hr**No of Students Participated:** 39 Students**Photographs with caption:***(Activity reports not supported by photographs shall not be considered for award)***Details:****Chief Guest/ Guest of Honor:****Designation:****Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Report***(maximum 250 words)*

On this occasion of World water day celebration on 10.03.2022, several competitions were also organized like Slogan Writing, Poster Making and Quiz related to importance of water in our life. The winner of each competition was awarded.



(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Guest Lecture on Trends in Industry

Date : 8 January 2022

Duration: 1 Hour

No of Students Participated: 56

Photographs with caption:



Details:

Speaker: : Mr.Vimal
Designation/Organization
Senior Programmer
TCS
Chennai

Report

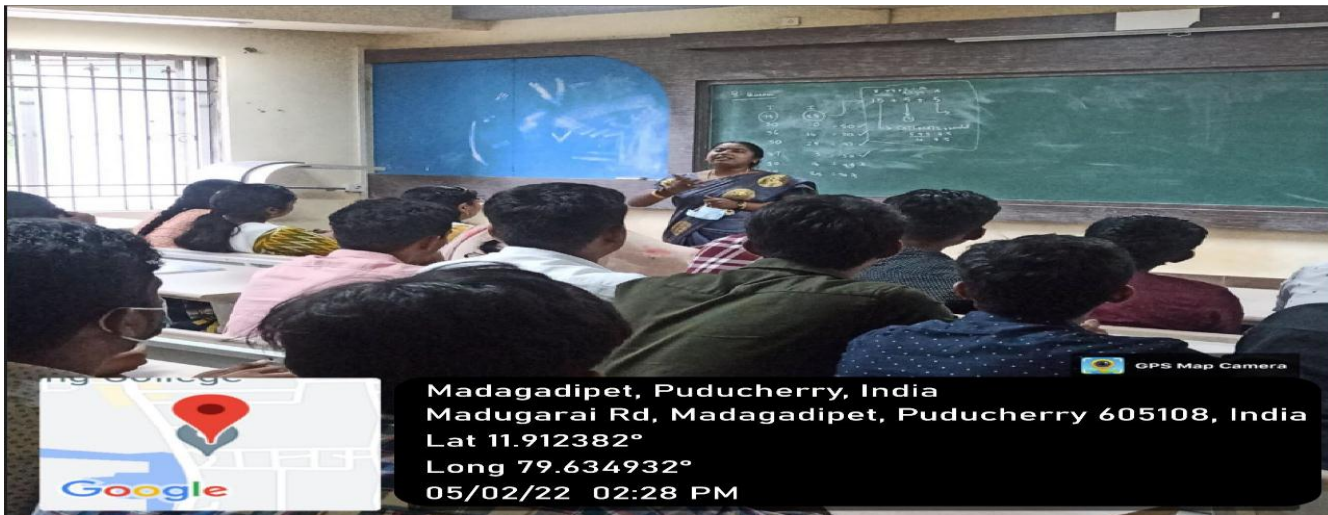
(maximum 250 words)

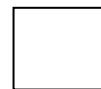
Mr.Vimal is the Alumni of our institution. He had consented to give the guest lecture on Trends in Industry and on how to make the students to meet the same on 8th January 2022. The session was conducted for 2nd year students and they asked the speaker their doubts and got it clarified by him.



Details of Technical Activity

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme:	
Seminar on AI and its Applications	
Date : 29 January 2022	Duration: 1 Hour
No of Students Participated: 111	
Photographs with caption:	
	
Details:	
Speaker: : Dr.S.Geetha Designation/Organization Assistant Professor Banking Technology Pondicherry University Puducherry	
Report (maximum 250 words)	
<p>Dr.S.Geetha is Assistant Professor in Banking Technology at Pondicherry University. She had delivered Seminar on AI and its Applications to 1st year students on 29.01.2022. Artificial intelligence is the simulation of human intelligence processes by machines, especially computer systems. Specific applications of AI include expert systems, natural language processing, speech recognition and machine vision.</p>	

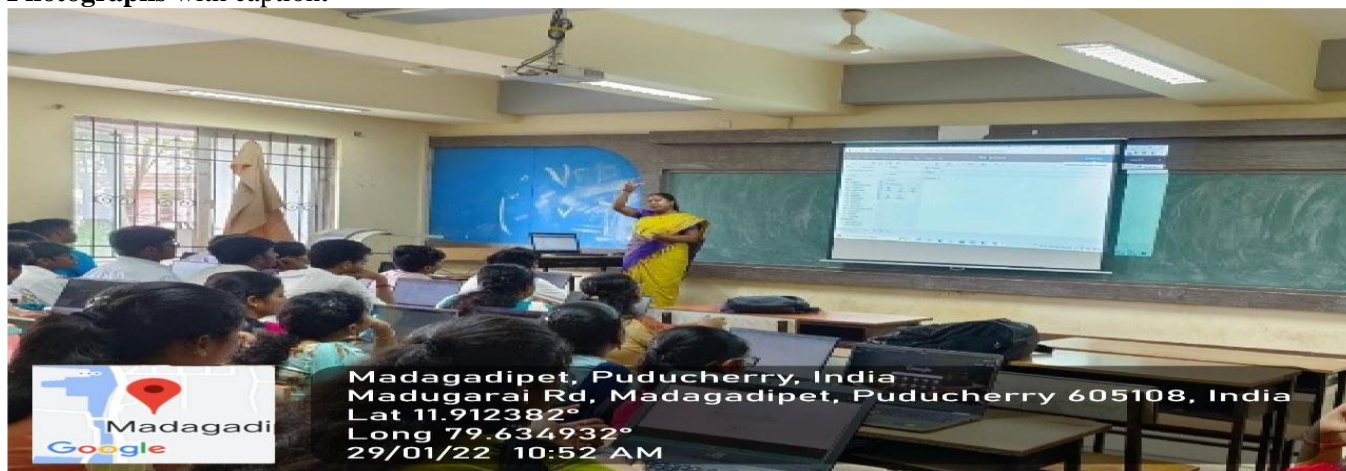


Details of Technical Activity

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme:		Guest Lecture on Tableau for Data Visualization
Date :	05 Feb 2022	Duration: 1 Hour
No of Students Participated:	56	

Photographs with caption:



Details:

Speaker: Dr.S.Geetha
Designation/Organization
Assistant Professor
Banking Technology
Pondicherry University
Puducherry

Report


(maximum 250 words)

Dr.S.Geetha is Assistant Professor in Banking Technology at Pondicherry University. She had delivered Guest Lecture on to 2nd Year students on 05.02.2022. As the market-leading choice for modern business intelligence, the Tableau platform is known for taking any kind of data from almost any system, and turning it into actionable insights with speed and ease. It's as simple as dragging and dropping. She had given hands-on session and it was very useful to the students



Details of Technical Activity



(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme:	
Seminar on GoLang Programming	
Date : 12 Feb 2022	Duration: 1 Hour
No of Students Participated: 56	
Photographs with caption:	
	
Details:	
Speaker: : Dr.Prasanna Venkatesan Designation/Organization Professor & Head Banking Technology Pondicherry University Puducherry	
Report <i>(maximum 250 words)</i>	
<p>Dr.Prasanna Venkatesan is Professor & Head of Banking Technology in Pondicherry University. He had delivered Seminar on GoLang Programming to the 2nd year students. Go is a popular programming language. Go is used to create computer programs. Go is a cross-platform, open source programming language. Go can be used to create high-performance applications. Go is a fast, statically typed, compiled language that feels like a dynamically typed, interpreted language. Go was developed at Google by Robert Griesemer, Rob Pike, and Ken Thompson in 2007. Go's syntax is similar to C++. Go is Used For Web development (server-side), Developing network-based programs Developing cross-platform enterprise applications, Cloud-native development.</p>	



Details of Technical Activity

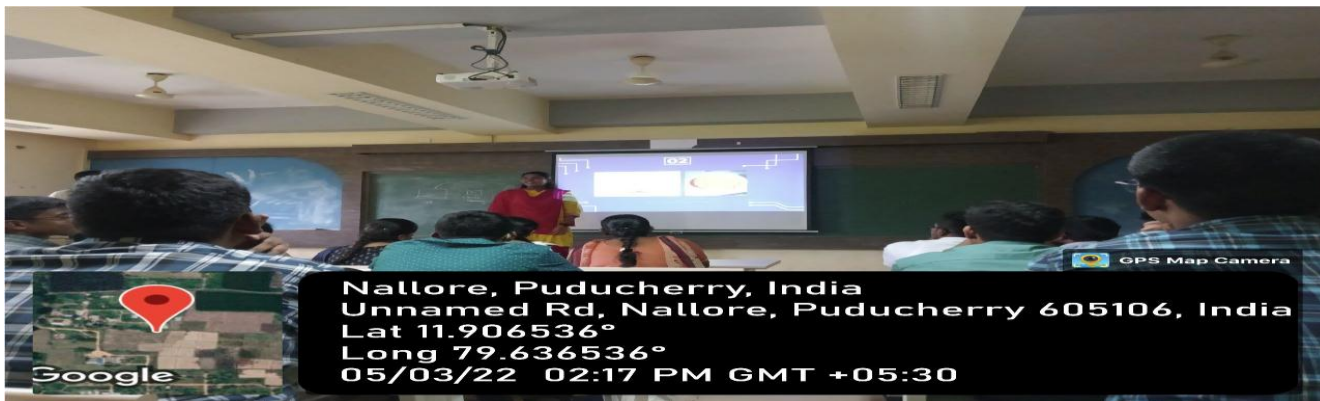
(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

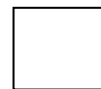
Title /Theme:	
Technical Quiz	
Date : 26 Feb 2022	Duration: 1 Hour
No of Students Participated: 56	
Photographs with caption:	
 <div data-bbox="154 966 418 1119"><p>Madagadi</p></div> <div data-bbox="454 966 1453 1119"><p>Madagadipet, Puducherry, India Madugarai Rd, Madagadipet, Puducherry 605108, India Lat 11.912382° Long 79.634932° 26/02/22 11:24 AM</p></div>	
Details:	
<p>Speaker: Mrs.M.Maragadhavalli Meenakshi Designation/Organization Assistant Professor Artificial Intelligence and Data Science Sri Manakula Vinayagar Engineering College Puducherry</p>	
Report (maximum 250 words)	
<p>A technical Quiz has been conducted for the first-year students on the topic “Fundamentals of Data Science” for the first-year students on 26.02.2022. She has given introduction to the topics and posed questions to the students and awarded certificates to the winning students.</p>	



Details of Technical Activity

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme:	
Display of Technical Information	
Date : 5 March 2022	Duration: 1 Hour
No of Students Participated: 56	
Photographs with caption:	
 <p>Nallore, Puducherry, India Unnamed Rd, Nallore, Puducherry 605106, India Lat 11.906536° Long 79.636536° 05/03/22 02:17 PM GMT +05:30</p>	
Details:	
Speaker: Student Designation/Organization Second Year Department of AI & DS	
Report (maximum 250 words)	
Ms. Saranya M from second Year AI & DS has displayed Technical Information on the topic Agent creation Techniques. The student has described many Information and it was very interactive	



Details of Technical Activity

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme:		Technical Visit to B.Arch Department
Date :	12 March 2022	Duration: 1 Hour
No of Students Participated:	167	

Photographs with caption:

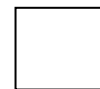


Details:

Report


(maximum 250 word)

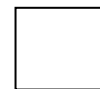
The department has taken the students to B.Arch Department for exploring various technical things displayed in that school. The students from first and second year of total 167 has visited the place.



Details of Technical Activity


(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

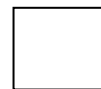
Title /Theme:	
Technical Group Discussion on the topic Is AI hype or Reality	
Date : 19 March 2022	Duration: 1 Hour
No of Students Participated: 56	
Photographs with caption:	
 <p>Madagadipet, Puducherry, India Madugarai Rd, Madagadipet, Puducherry 605108, India Lat 11.912382° Long 79.634932° 19/03/22 10:43 AM</p>	
Details: Report (maximum 250 word)	
<p>A Technical Group Discussion had been conducted on the topic Is AI hype or Reality? The student coordinators had given the topics like</p> <ol style="list-style-type: none">1. AI will surmount the mankind2. AI can solve any Problem <p>Students were motivated to share their ideas on first come first serve Basis. This event was conducted on 19.03.2022. the student whom shared his/her points strongly was given appreciation.</p>	



Details of Technical Activity

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme:	
Technical Group Discussion on the topic Is AI hype or Reality	
Date : 29 March 2022	Duration: 1 Hour
No of Students Participated: 56	
Photographs with caption:	
	
<u>Details:</u> <u>Report</u> <u>(maximum 250 word)</u>	
A Technical connection had been conducted by the student coordinators. They had given on spot pictures for connection game and encouraged the students to explain how they have interpreted the answer accurately. This event was conducted on 29.03.2022.	

**Details of Technical Activity**

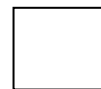
(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme:Applications of Biosensors in Healthcare**Date :** 08.12.2021**Duration:** 3 hours**No of Students Participated:**35**Photographs with caption:**

Guest lecture on Applications of Biosensors in Health care

Details:**Chief Guest/ Guest of Honor:**Dr.Shankar Rajan**Designation:** Sri Ramachandra Institute of Higher Education & Research, Chennai**Speaker:**
Designation/Organization:**Speaker:**
Designation/Organization:**Speaker:**
Designation/Organization:**Report**

Biosensors are being used pervasively in the medical field to diagnose infectious diseases. A promising biosensor technology for urinary tract infection (UTI) diagnosis along with pathogen identification and anti-microbial susceptibility is under study. A biosensor includes two main distinct components like Biological component such as cell, enzyme and a physical component like an amplifier and transducer. The biological component identifies as well as communicates through the analytic for generating a signal that can be sensed through the transducer.

**Details of Technical Activity**

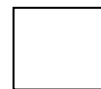
(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: BiomechanismTechnologies**Date :** 18.12.2021**Duration:** 2 hours**No of Students Participated:**48**Photographs with caption:**

Guest lecture on Orthodontic Biomechanism Technology Management

Details:**Chief Guest/ Guest of Honor:** Mr.J.Balaji**Designation:** Testing and Commissioning ,Voltech Engineers Pvt Ltd, Chennai**Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Report**

Biomechanics is the research and analysis of the mechanical properties of living tissues and non-living objects that affect those living tissues. In orthodontics, this analysis of biomechanical properties is used to determine the effect of orthodontic appliances on oral tissues, particularly teeth and bone.

**Details of Technical Activity**

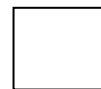
(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Scope and Career Opportunities for Biomedical Engineers**Date :** 09.01.2022**Duration:** 2 hours**No of Students Participated:**70**Photographs with caption:**

Guest lecture on Scope and Career Opportunities for Biomedical Engineers

Details:**Chief Guest/ Guest of Honor:** Mr.PareshModh**Designation:** Pamtrons,Health care device, Mumbai**Speaker:**
Designation/Organization:**Speaker:**
Designation/Organization:**Speaker:**
Designation/Organization:**Report**

Biomedical engineering scope has tremendously increased in the past decade. As people are growing more aware of medical advancements, they are opting for biomedical care. This has resulted in a rise of job opportunists for the field of biomedical engineering.

**Details of Technical Activity**

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Importance of electrical circuits in instruments**Date :** 22.01.2022**Duration: 2 hours****No of Students Participated:73****Photographs with caption:**

Guest lecture on Importance of electrical circuits in instruments

Details:

Chief Guest/ Guest of Honor: Mr.Balamurali
Designation: Machine Learning Engineering,Bengaluru

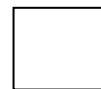
Speaker:
Designation/Organization:

Speaker:
Designation/Organization:

Speaker:
Designation/Organization:

Report

An electric circuit is a path for the transmission of electric current. When electric current moves through a circuit, electrical energy in the current is transferred to devices that change it into other forms of energy that can do work, such as **providing power to lights, appliances, and other devices.**

**Details of Technical Activity**

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Sensors Technology**Date :** 28.01.2022**Duration: 2 hours****No of Students Participated:75****Photographs with caption:**

Guest lecture on Sensors Technology

Details:

Chief Guest/ Guest of Honor: Mr Thilaiganapathy
Designation: CTS,Chennai

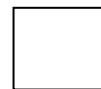
Speaker:
Designation/Organization:

Speaker:
Designation/Organization:

Speaker:
Designation/Organization:

Report

Sensors are central to industrial applications being used for **process control, monitoring, and safety**. Sensors are also central to medicine being used for diagnostics, monitoring, critical care, and public health.

**Details of Technical Activity**

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Recent Trends in Technology**Date :** 04.02.2022**Duration: 2 hours****No of Students Participated:82****Photographs with caption:**

Guest lecture on Recent Trends in Technology

Details:

Chief Guest/ Guest of Honor: Mr. Akshay
Designation: TCS, Chennai

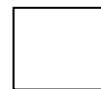
Speaker:
Designation/Organization:

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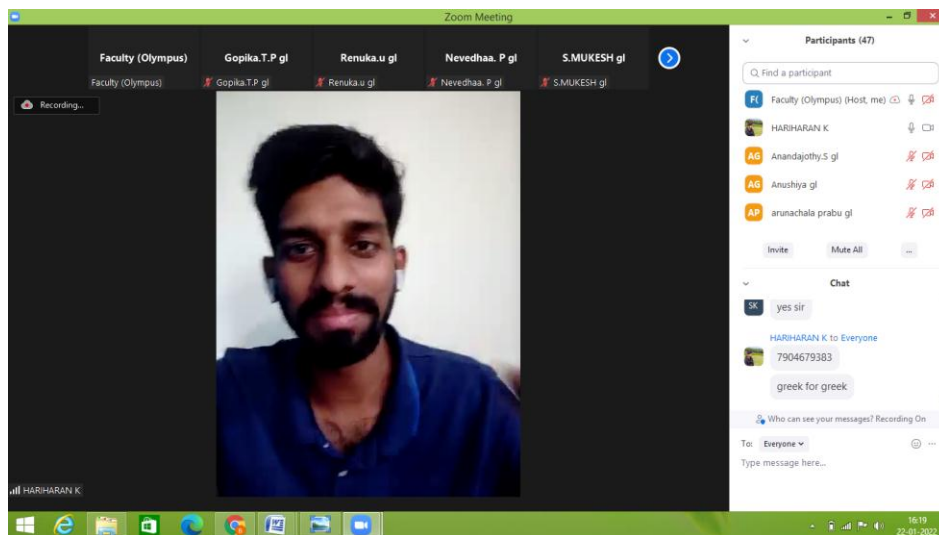
Report

Augmented reality and virtual reality are two sides of the metaverse. Augmented reality could increase advertising space in the real world with new special glasses. Virtual reality would in itself create a whole new digital area for advertising.

**Details of Technical Activity**

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Biomedical Signal Analysis and Applications
Date : 10.02.2022

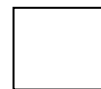
Duration: 2 hours
No of Students Participated:110
Photographs with caption:


Guest lecture on Biomedical Signal Analysis and Applications

Details:
Chief Guest/ Guest of Honor: Mr.K.Hariharan,
Designation: Managing Director,BiovisionsPvt Ltd, Chennai
Speaker:
Designation/Organization:
Speaker:
Designation/Organization:
Speaker:
Designation/Organization:
Report

Biomedical signal processing involves acquiring and preprocessing physiological signals and extracting meaningful information to identify patterns and trends within the signals. Sources of biomedical signals include neural activity, cardiac rhythm, muscle movement, and other physiological activities.

 Signature of the Faculty Advisor
 with date affixed with seal

**Details of Technical Activity**

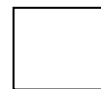
(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Medical informatics in Drug Delivery**Date :** 17.02.2022**Duration: 3 hours****No of Students Participated:73****Photographs with caption:**

Guest lecture on Medical informatics in Drug Delivery

Details:**Chief Guest/ Guest of Honor: Mr.M. Krishnakumar,****Designation: SCSA.ZifoRnD Solutions, Chennai****Speaker:
Designation/Organization:****Speaker:
Designation/Organization:****Speaker:
Designation/Organization:****Report**

Pharmacy informaticists not only support and oversee the creation, application, delivery, and management of clinical information and knowledge, but they also inform how systems should be developed and why interoperability is essential to safe medication management.

**Details of Technical Activity**

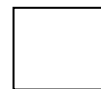
(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Design Aspects in Biomedical Instrumentation**Date :** 28.02.2022**Duration:** 2 hours**No of Students Participated:**82**Photographs with caption:**

Guest lecture on Design Aspects in Biomedical Instrumentation

Details:**Chief Guest/ Guest of Honor:** Mr.S.Kumar,**Designation:** Senior Manager,TMI Systems,Bangalore**Speaker:**
Designation/Organization:**Speaker:**
Designation/Organization:**Speaker:**
Designation/Organization:**Report**

Integrating microfabrication techniques, sensors and digital signal processing with key clinical applications, it covers: the measurement, amplification and digitization of physiological signals, and the removal of interfering signals; the transmission of signals from implanted sensors through the body, and the issues

**Details of Technical Activity**

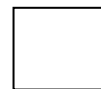
(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Industrial expectations of biomedical engineers**Date :** 02.03.2022**Duration:** 2 hours**No of Students Participated:**110**Photographs with caption:**

Guest lecture on Industrial expectations of biomedical engineers

Details:**Chief Guest/ Guest of Honor:** Dr. Balu Ranganathan**Designation:** Technology business Incubator cell, University of Madras, Chennai**Speaker:**
Designation/Organization:**Speaker:**
Designation/Organization:**Speaker:**
Designation/Organization:**Report**

Biomedical engineers aim to improve “human health through cross-disciplinary activities that integrate the engineering sciences with the biomedical sciences and clinical practice.” Biomedical engineers have been responsible for various scientific advances, among them artificial joints, magnetic resonance imaging (MRI)

**Details of Technical Activity**

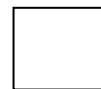
(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Two days hands on training program on medical devices**Date :** 11.10.2021 & 12.10.2021**Duration:** 2 days**No of Students Participated:**48**Photographs with caption:**

Workshop on training program on medical devices

Details:**Chief Guest/ Guest of Honor:** Mr.S.Atheena Milagi Pandian & Team**Designation:** AtheenaPandianPvt Ltd, Tenkasi**Speaker:**
Designation/Organization:**Speaker:**
Designation/Organization:**Speaker:**
Designation/Organization:**Report**

Medical devices are essential for **safe and effective prevention, diagnosis, treatment and rehabilitation of illness and disease**. The achievement of health-related development goals on a global scale are dependent upon proper manufacturing, regulation, planning, management and use of medical devices.

**Details of Technical Activity**

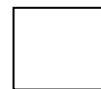
(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Two days hands on training program on medical devices**Date :** 17.02.2022 & 18.02.2022**Duration:** 2 days**No of Students Participated:**48**Photographs with caption:**

Workshop on training program on medical devices

Details:**Chief Guest/ Guest of Honor:** Mr.S.Atheena Milagi Pandian & Team**Designation:** AtheenaPandianPvt Ltd, Tenkasi**Speaker:**
Designation/Organization:**Speaker:**
Designation/Organization:**Speaker:**
Designation/Organization:**Report**

Medical devices are essential for **safe and effective prevention, diagnosis, treatment and rehabilitation of illness and disease**. The achievement of health-related development goals on a global scale are dependent upon proper manufacturing, regulation, planning, management and use of medical devices.

**Details of Technical Activity**

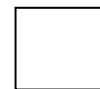
(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Testing of Biomedical Electronic components and troubleshooting**Date :** 12.03.2022**Duration:** 1 day**No of Students Participated:**70**Photographs with caption:**

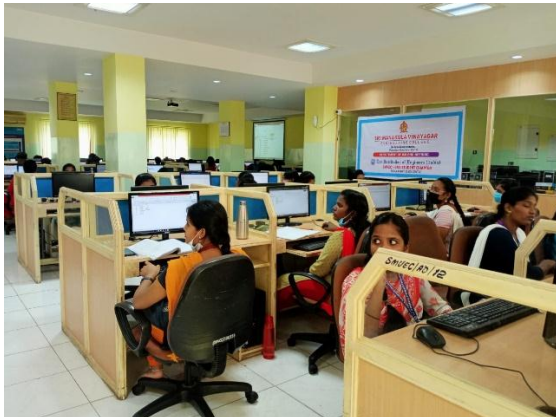
Workshop on Testing of Biomedical Electronic components and troubleshooting

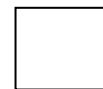
Details:**Chief Guest/ Guest of Honor:** Mr.J.Dhanush**Designation:** Senior Manager,TMI Systems,Bangalore**Speaker:**
Designation/Organization:**Speaker:**
Designation/Organization:**Speaker:**
Designation/Organization:**Report**

Electrical safety relates to hazardous electric shock, explosion, fire, or damage to equipment and buildings. Electric shock refers to both macro-shock (high-value) and micro-shock (low-value) shocks that result from improperly wired or maintained electrical equipment or power systems.

**Details of Technical Activity**

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Hands-on training on AI in health care	
Date : 17.03.2022 & 18.03.2022 No of Students Participated: 110	Duration: 2 days
Photographs with caption:  <p>Workshop on Hands-on training on AI in health care</p>	
Details:	
Chief Guest/ Guest of Honor: Mr. Ameer Valki, Makeintern, Designation: B1 Community Centre, Janakpuri, New Delhi-110058.	
Speaker: Designation/Organization:	Speaker: Designation/Organization:
Speaker: Designation/Organization:	
Report	
<p>The artificial intelligence (AI) technologies becoming ever present in modern business and everyday life is also steadily being applied to healthcare. The use of artificial intelligence in healthcare has the potential to assist healthcare providers in many aspects of patient care and administrative processes, helping them improve upon existing solutions and overcome challenges faster. Most AI and healthcare technologies have strong relevance to the healthcare field, but the tactics they support can vary significantly between hospitals and other healthcare organizations. And while some articles on artificial intelligence in healthcare suggest that the use of artificial intelligence in healthcare can perform just as well or better than humans at certain procedures, such as diagnosing disease, it will be a significant number of years before AI in healthcare replaces humans for a broad range of medical tasks.</p>	



Details of Technical Activity

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Poster presentation for Water day - Ground water-Making invisible visible

Date : 19.03.2022

Duration: 1 day

No of Students Participated:110

Photographs with caption:



Poster presentation for Water day Ground water-Making invisible visible

Details:

Chief Guest/ Guest of Honor:
Designation:

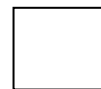
Speaker:
Designation/Organization:

Speaker:
Designation/Organization:

Speaker:
Designation/Organization:

Report

It sustains ecosystems, maintains the baseflow of rivers and prevents land subsidence and seawater intrusion. Groundwater is an important part of climate change adaptation process and is often a solution for people without access to safe water.

**Details of Technical Activity**

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Technical visit for first year

Date : 26.03.2022

Duration: 1 day

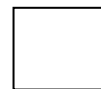
No of Students Participated:39


Photographs with caption:

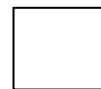

First year_Technical visit in Sinoatrial Medical Technologies

Details:
Chief Guest/ Guest of Honor:
Designation:
Speaker:
Designation/Organization:
Speaker:
Designation/Organization:
Speaker:
Designation/Organization:
Report

Sinoatrial Medical Technologies in Chennai is one of the leading businesses in the Surgical Equipment Distributors. Also known for Medical Equipment Repair & Services, Surgical Equipment Distributors, Multipara Monitor Manufacturers, Cardiology Equipment Distributors, ICU Equipment Distributors, ECG Machine Manufacturers, Surgical Monitor Accessory Manufacturers and much more. Find Address, Contact Number, Reviews & Ratings, Photos, Maps of Sinoatrial Medical Technologies, Chennai.



Title /Theme: Technical Quiz	
Date : 21.02.2022	Duration: 2 hours
No of Students Participated: 62	
Photographs with caption: (Activity reports not supported by photographs shall not be considered for award)	
	
Technical quiz by Mr.M.Santhoshkumar, Assistant professor, Department of Mechanical Engineering, Sri Manakula Vinayagar Engineering College to I st year Students	
Title /Theme: Technical demonstration of Four wheeler	
Date : 15.03.2022	Duration: 01 day
No of Students Participated: 30	
Photographs with caption: (Activity reports not supported by photographs shall not be considered for award)	



Technical demonstration by Mr.M.Jayasuriya, Maruthi Suzuki Vishnu Cars to Ist year Students

Title /Theme: Short term course

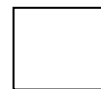
Date : 10.01.2022, 11.01.2022, 12.01.2022

Duration: 03 days

No of Students Participated: 30

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



Short term course by Mr.S.Hemanth kumar, Assistant professor, Department of Mechanical Engineering, Sri Manakula Vinayagar Engineering College to Ist year Students

Title /Theme: Lecture

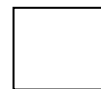
Date : 12.04.2021

Duration: 02 hours

No of Students Participated: 30

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



Lecture by Mr.D.Karunakaran, Assistant professor, Department of Mechanical Engineering, Sri Manakula Vinayagar Engineering College to Ist year Students

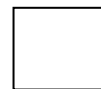
Title /Theme: Poster Competition

Date : 07.06.2021

Duration: 01 day

No of Students Participated: 20

Photographs with caption:
(Activity reports not supported by photographs shall not be considered for award)



Poster competition for II year Students

Title /Theme: Aptitude test

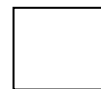
Date : 12.07.2021

Duration: 02 hours

No of Students Participated: 30

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



Aptitude test for II year students

Title /Theme: Model competition

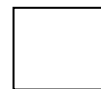
Date : 23.08.2021

Duration: 02 hours

No of Students Participated: 30

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



Model competition for II year students

Title /Theme: Technical demonstration of PCB making

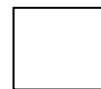
Date : 06.09.2021

Duration: 01 day

No of Students Participated: 30

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



Technical demonstration by Mr.S.Hemanth kumar, Assistant professor, Department of Mechanical Engineering, Sri Manakula Vinayagar Engineering College to Ist year Students

Title /Theme: Workshop

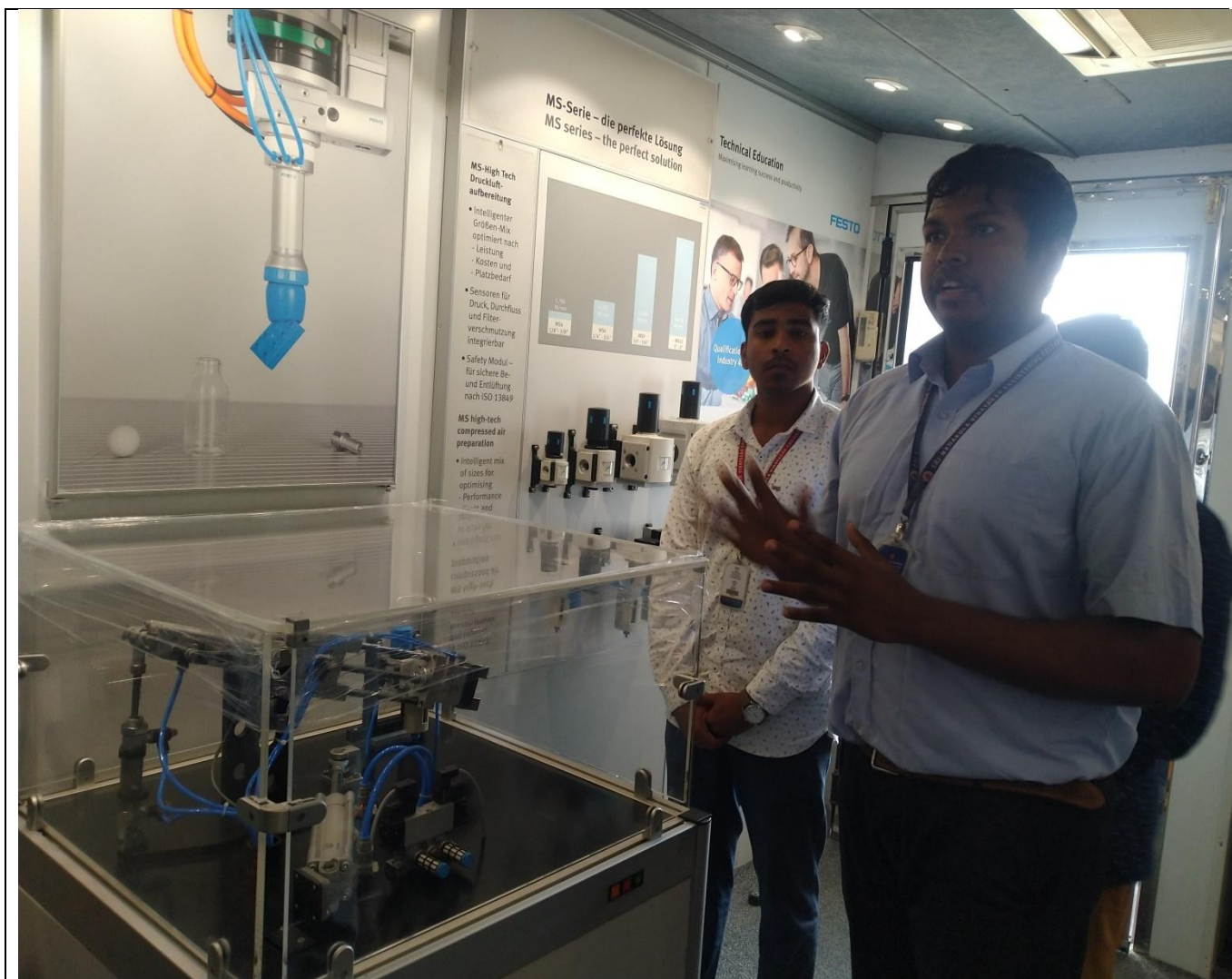
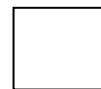
Date : 11.10.2021

No of Students Participated: 15

Duration: 03 hours

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



Festo Workshop for Ist year students

Title /Theme: Technical demonstration of 3D Printing Machine

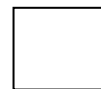
Date : 10.05.2021

Duration: 01 day

No of Students Participated: 30

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



Technical demonstration by Mr.S.Hemanth kumar, Assistant professor, Department of Mechanical Engineering, Sri Manakula Vinayagar Engineering College to IInd year Students

Title /Theme: Technical demonstration of CNC Routing Machine

Date : 15.11.2021

Duration: 01 Day

No of Students Participated: 30

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



Technical demonstration by Mr.S.Jayakumar, Assistant professor, Department of Mechanical Engineering, Sri Manakula Vinayagar Engineering College to Ist year Students

Title /Theme: Technical visit

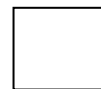
Date : 13.12.2021

Duration: 01 day

No of Students Participated: 73

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



Hitech Company Technical visit for Ist year students

Title /Theme: Group Discussion

Date : 15.06.2021

Duration: 01 hour

No of Students Participated: 05

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



Group Discussion by IInd year students

Title /Theme: Committee Meeting/s

Date : 05.04.2021

Duration: 01 hour

No of Students Participated: 40

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



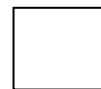
Engg College




/ Polytechnic



Committee Meeting/s with IEI members

**Details of Technical Activity**

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Resume building and self-introduction	
Date: 14.04.21	Duration: 2 Hrs
No of Students Participated: 187	
Photographs with caption: (Activity reports not supported by photographs shall not be considered for award)	
	
<i>Interacting with students regarding self-Introduction</i>	
Details:	
Chief Guest/ Guest of Honor:	
Designation:	
Speaker:	Speaker:
Designation/Organization:	Designation/Organization:
Speaker:	
Designation/Organization:	
Report (maximum 250 words)	
Final year students placed their thoughts and educated the students to Highlight the relationship between individual and group identities and also Encouraged the young minds to explore the aspects of their own lives to explore their own identity. They also had responded to the student's questions and provided suggestions which was helpful to the students to build their carrier during placement.	

**Details of Technical Activity**

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film term course)

Signature of the Faculty Advisor

with date affixed with seal

Title /Theme: Logo Design Contest

Date :28.04.22

Duration: 3 Hrs

No of Students Participated:210

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



Active participation of students in Logo design contest

Details:

Chief Guest/ Guest of Honor:

Designation:

Speaker:

Designation/Organization:

Speaker:

Designation/Organization:

Speaker:

Designation/Organization:

Report

(maximum 250 words)


The session on logo design emphasized on concentrating even on subtle details which could enable our students to get an edge over their contemporaries while seeking greater exposure to stand independently. Seniors shared their ideas to develop an attractive logo that would stand unique among several others and take them closer to highly reputed multi-National companies. They also expressed features of designing logo being memorable, timeless and also the logo should generate an interest among people of their brand

Signature of the Faculty Advisor

with date affixed with seal

**Details of Technical Activity**

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Communication Mannerism	
Date : 05.05.2021	Duration: 3 Hrs
No of Students Participated:305	
Photographs with caption: (Activity reports not supported by photographs shall not be considered for award)	
	
<i>Students expressing their own ideas about group discussion</i>	
Details:	
Chief Guest/ Guest of Honor:	
Designation:	
Speaker:	Speaker:
Designation/Organization:	Designation/Organization:
Speaker:	
Designation/Organization:	
Report (maximum 250 words)	
<p>For First year Students, Resume building session assisted the students to progress their acquaintance on resume preparation to bring up their capacities on a technical basis and also talkative skills. During the session, students communicated with their seniors and asked several questions.</p> <p>Third years from the Department of Electronics and Communication Engineering conducted a program on Paper presentation, building an E-mail, and exposure to LinkedIn for our juniors. The session on exposure to LinkedIn emphasized on concentrating even on subtle details which could enable our students to get an edge over their contemporaries while seeking greater career prospects. The seniors shared specific ideas and taught their juniors the knack to formulate an attractive profile on LinkedIn that would stand unique among several others and take them closer to highly lucrative job opportunities.</p>	

Signature of the Faculty Advisor
with date affixed with seal

**Details of Technical Activity**

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

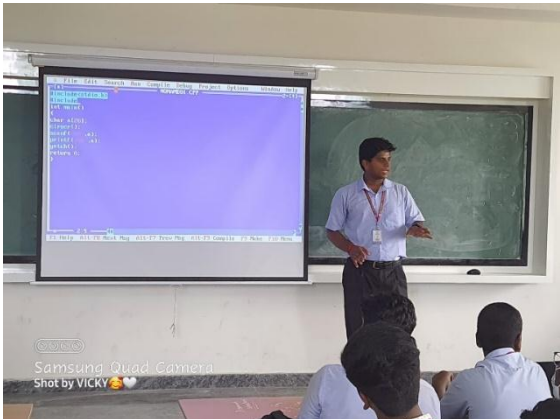
Title /Theme: Edutainment	
Date : 09.06.2021	Duration: 2 Hrs
No of Students Participated: 420	
Photographs with caption: (Activity reports not supported by photographs shall not be considered for award)	
	
<i>Teaching technical connections to students</i>	
Details:	
Chief Guest/ Guest of Honor: Designation:	
Speaker: Designation/Organization:	Speaker: Designation/Organization:
Speaker: Designation/Organization:	
Report (maximum 250 words)	
<p>Third year students put out their ideas and explained the basic principles of the components, devices. This would give a nodding acquaintance for their hardware startup as they are the freshers of graduation. The lesson on playing connections and quiz featured the importance of acquiring some basic knowledge and skills before being able to cope up with advanced technologies and learning. Our Students also shared some specific information and special uses about some components which might be helpful for our junior to remember when they are aspiring for other aptitude and government examinations.</p> <p>The lesson on MS Word, Power point presentation, and MS excel featured the importance of paying attention to even minor aspects that could help our students to gain an advantage over their peers while pursuing better employment opportunities. Students also Shared their specific ideas of categorizing data, retention of data and also updated students with more supreme tools to work. They expressed their own idea of storing the data in a cloud-based system hence it can retrieved whenever needed which reduce the space stored and pave space for storing more data.</p>	

Details of Technical Activity

Signature of the Faculty Advisor
with date affixed with seal



(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Programming skills in 'C'	
Date : 14.07.2021	Duration:2 Hrs
No of Students Participated:169	
Photographs with caption: <i>(Activity reports not supported by photographs shall not be considered for award)</i>	
	
<i>Teaching how to build a program</i>	

Details:

Chief Guest/ Guest of Honor: Designation:	
Speaker: Designation/Organization:	Speaker: Designation/Organization:
Speaker: Designation/Organization:	

Report

(maximum 250 words)

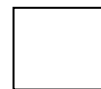
Students conducted a programming skills session for first-year undergraduates. Our juniors were given an opportunity to present their ideas and to participate in c-programming activities. They also learned how to write a program confidentially and professionally from the ground up. This would have a positive effect on academic results. We also highlighted our basic fundamental ideas as well as how to implement them in the programs. As a result, students will be able to master a great number of programming languages.

Details of Technical Activity

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film term course)

Signature of the Faculty Advisor
with date affixed with seal

Title /Theme: Vision on Arduino
--

**Date :** 11.08.2021**Duration:** 2 Hrs**No of Students Participated:** 136**Photographs with caption:***(Activity reports not supported by photographs shall not be considered for award)*

Students learning programming in Arduino IDE and clarifying doubts


Details:**Chief Guest/ Guest of Honor:****Designation:****Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Report****(maximum 250 words)**

Our students shared a vision on Arduino about the working principle and applications of Arduino. Students were passionate about improving their skills and produced numerous applications for Arduino in the industry. They also learned how to deal with challenges that may arise while developing new technologies. This will encourage the students to complete their mini projects and give them a better understanding of the Arduino board.

Signature of the Faculty Advisor
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**Details of Technical Activity**

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)


Title /Theme: Component testing and Website building	
Date : 15.09.2021	Duration: 2 Hrs
No of Students Participated:200	
Photographs with caption: (Activity reports not supported by photographs shall not be considered for award)	
	
<i>Teaching Component testing to students</i>	
Details:	
Chief Guest/ Guest of Honor: Designation:	
Speaker: Designation/Organization:	Speaker: Designation/Organization:
Speaker: Designation/Organization:	
Report (maximum 250 words)	
<p>The lesson on Component testing and website building featured the importance of learning the technical skills by practical demonstrations on hardware and acquiring some foundational skills before being able to cope up with advanced technologies and learning. We also shared some specific information and special uses about of electronics components and their working and configurations which might be helpful for our junior to indulge in contests and for doing their own projects.</p>	

Details of Technical Activity

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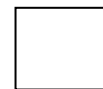


(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Technoverse 2K22 - Miniproject Expo	
Date: 13.10.2021	Duration: 8 Hrs
No of Students Participated:200	
Photographs with caption: (Activity reports not supported by photographs shall not be considered for award)	
	
<i>Students are Explaining about their project to the Chief guest</i>	
Details:	
Chief Guest/ Guest of Honor: Mr. C. Gnanavel Designation: Senior Manager, Lenovo India Private Limited	
Speaker: Designation/Organization:	Speaker: Designation/Organization:
Speaker: Designation/Organization:	
Report (maximum 250 words)	
ECE Department has conducted a Mini Project Expo, since last four years keeping in mind the pursuance of student's natural curiosity and imagination to showcase their creativity. This expo is also providing an unique platform to the participating students for their innovations and new experiences with the community. Overall MINI PROJECT EXPO 2022, highly motivated the other students, apart from the participants to come up with their ideas in the future	

Details of Technical Activity _____

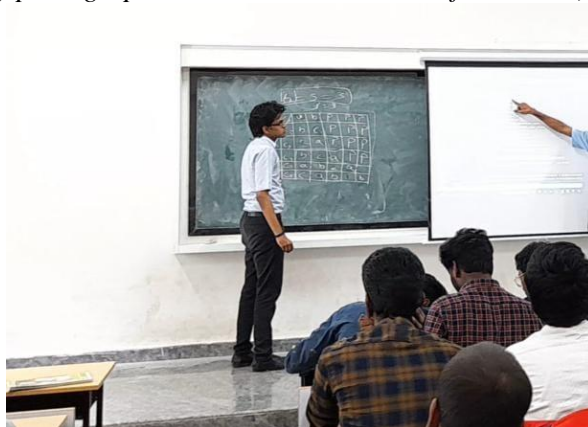
Signature of the Faculty Advisor
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(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Hybrid Technology**Date :** 17.11.2021**Duration:** 3 Hrs**No of Students Participated:**218**Photographs with caption:**

(Activity reports not supported by photographs shall not be considered for award)



Explaining about HEV to the Students

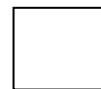
Details:**Chief Guest/ Guest of Honor:** Mr.R.Ravi**Designation:** Senior Technical Lead Valeo India Private Limited,Chennai.**Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Report**

(maximum 250 words)


Our Students gained essential knowledge and they come to know the future technology. As the technology of the future, can work towards creating a better world long term. This means many different things as technology merges with all parts of our lives.

The hybrid technology focused on being able to learn and deal with complex technologies. As they are young graduates, this would provide a nodding acquaintance for their start up. Before acquiring particular skills and uses for Hybrid technology and its necessary that our colleagues might find beneficial, it is necessary to work towards the future technology.

Signature of the Faculty Advisor
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**Details of Technical Activity**


(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Circuit Framing	
Date: 15.12.2021	Duration: 3 Hrs
No of Students Participated:213	
Photographs with caption: (Activity reports not supported by photographs shall not be considered for award)	
	
<i>Explaining about Circuits to the students</i>	
Details:	
Chief Guest/ Guest of Honor: Designation:	
Speaker: Designation/Organization:	Speaker: Designation/Organization:
Speaker: Designation/Organization:	
Report (maximum 250 words)	
<p>Our Students gained essential knowledge and they come to know the future technology. As the projects of the future, can work towards creating a better world long term. This means students can gain a core knowledge through this programme.</p> <p>The Circuit framing mainly focused on the students to deal to with the core projects and to learn the basic structure of the circuit. As they are young graduates, this will help them to do projects in the well-versed manner.</p>	

Signature of the Faculty Advisor
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**Details of Technical Activity**

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Circuit Framing	
Date : 05.01.2022	Duration: 3 Hrs
No of Students Participated: 197	
Photographs with caption: (Activity reports not supported by photographs shall not be considered for award)	
	
<i>Explained about Circuit analyzing</i>	
Details:	
Chief Guest/ Guest of Honor: Designation:	
Speaker: Designation/Organization:	Speaker: Designation/Organization:
Speaker: Designation/Organization:	
students brushed over the basics of electronics with some fun circuits and components and the main objective of this week's sessions was to give a chance to the students to know, how some of the basic and standard circuits get implemented in daily use gears. The session was split into two parts the technical part where we discussed about various components and their functionality and a non-technical session where the students indulged in a small game which was tested with their wits. The technical session explained a lot in detail about the usage of components, and that session was capped off by a small Q/A session where the students asked some captivating questions which we loved to answer. The non-technical session involved volunteers who were given a chance to build circuits which were displayed and it really drew out the interest among the students.	

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**Details of Technical Activity**

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Programming Languages**Date:** 09.02.2022**Duration:** 3 Hrs**No of Students Participated:**197**Photographs with caption:**

(Activity reports not supported by photographs shall not be considered for award)



Explaining the concept of code to the students

Details:

Chief Guest/ Guest of Honor:
Designation:

Speaker:
Designation/Organization:

Speaker:
Designation/Organization:

Speaker:
Designation/Organization:

Report

(maximum 250 words)


Students gained essential knowledge and they come to know about future technology. As the technology of the future, can work towards creating a better world long term. This means many different things as technology merges with all parts of our lives.

The programming language focused on being able to learn and deal with complex technologies. As the students are young graduates, this would provide a nodding acquaintance for their start up. Before acquiring particular skills and uses for coding and its necessary that our students might find beneficial and it is necessary to work towards the future technology.

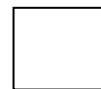
Signature of the Faculty Advisor
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**Details of Technical Activity**



(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Cybernetics	
Date : 23.03.2022	Duration: 3 Hrs
No of Students Participated:195	
Photographs with caption: (Activity reports not supported by photographs shall not be considered for award)	
	
<i>Explaining the concept of Cybernetics</i>	
Details:	
Chief Guest/ Guest of Honor: M.Tech Students	
Designation:	
Speaker: Designation/Organization:	Speaker: Designation/Organization:
Speaker: Designation/Organization:	
Report (maximum 250 words)	
<p>Students learned crucial information and came to know the future of technology. As we develop the technology of future, Students can able to create a better world in the long term. This implies that a wide range of events will take place as technology permeates with every aspect of our existence. The programme was focused around the ability to understand and work with complicated technologies. This would give their start-up with a nodding acquaintance because they are recent graduates. Prior to specific coding techniques and programmes that our juniors would find helpful and think about next technology.</p>	

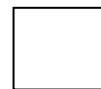
Signature of the Faculty Advisor
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**Details of Technical Activity**

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Social Awareness Program	
Date : 5.8.21	Duration: 2hrs
No of Students Participated: 72	
Photographs with caption: <i>(Activity reports not supported by photographs shall not be considered for award)</i>	
	
Student participation in chart presentation on women empowerment.	Student participation in blood donation's theme for chart presentation
<u>Details:</u>	
Chief Guest/ Guest of Honor: Dr. P. Raja Designation: Professor / Head of the department	
Speaker: Alumni Designation/Organization: B.Tech/ECE	Speaker: Designation/Organization:
Speaker: Designation/Organization:	
<u>Report</u> <u>(maximum 250 words)</u>	
Students Chapter of IEI participated in a social awareness talk about blood donation, Chart presentation, and some non-technical games for first and second-year students. These activities created social awareness among the students.	

 Signature of the Faculty Advisor
 with date affixed with seal

**Details of Technical Activity**

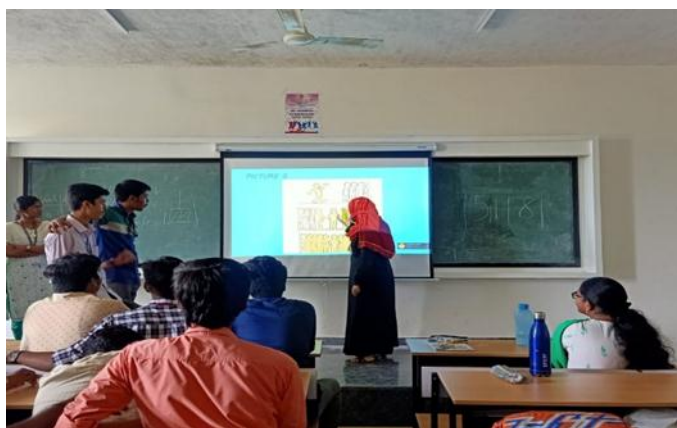
(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Technical Puzzles**Date :** 9.8.21**Duration:** 3 hrs**No of Students Participated:** 73**Photographs with caption:**

(Activity reports not supported by photographs shall not be considered for award)



Speaker during the event

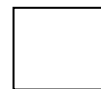


Student's participants in puzzle game

Details:**Chief Guest/ Guest of Honor:** Dr. P. Raja**Designation:** Professor/ Head of the department /ECE**Speaker:** B. MENAGA**Designation/Organization:** Assistant Professor / ECE**Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Report**

(maximum 250 words)



Students from IEI have participated in Picture Description and some non-technical games like hidden objects finding, word puzzle for first and second-year students.

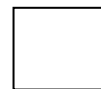


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Details of Technical Activity

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Debate on Trends in Technology	
Date : 25.8.22 No of Students Participated:119	Duration: 2Hrs
Photographs with caption: (Activity reports not supported by photographs shall not be considered for award)	
 <ul style="list-style-type: none">• Students participation for the Group discussions.	 <ul style="list-style-type: none">• Exploration of students for the Debate
Details:	
Chief Guest/ Guest of Honor: Dr. P.Raja Designation: Professor/ Head of the department /ECE	
Speaker: Alumni Designation/Organization: B.tech/ ECE	Speaker: Designation/Organization:
Speaker: Designation/Organization:	
Report (maximum 250 words)	
Students IEI participated in Debate conducted by Alumni of ECE department, Students have gained a knowledge on latest trends in technology and further the debate helped the students to enhance their	



communication skills.

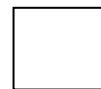
Details of Technical Activity _____

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Filmmaking (term course))

Signature of the Faculty Advisor
with date affixed with seal**Title /Theme: Presentation on IoT****Date :** 13.8.21**Duration:** 3 Hrs**No of Students Participated:**112**Photographs with caption:***(Activity reports not supported by photographs shall not be considered for award)*

Speaker presenting lecture to the participants

Details:**Chief Guest/ Guest of Honor:** Dr. P. Raja**Designation:** Professor/ Head of the Department/ ECE**Speaker:** Alumni**Designation/Organization:** B.tech/ECE**Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Report****(maximum 250 words)****Students of IEI Chapter, Department of ECE organized a lecture on “Trends in IoT” on 13.8.21****Details of Technical Activity** _____Signature of the Faculty Advisor
with date affixed with seal



(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Hands on Training

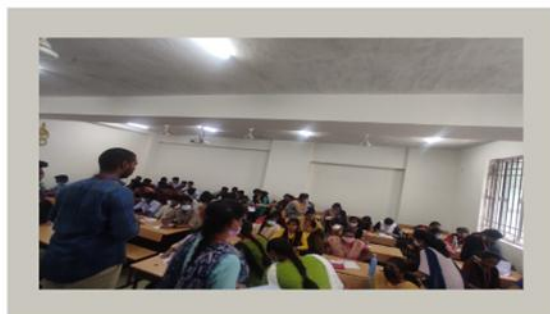
Date : 18.8.21

Duration: 2hrs

No of Students Participated: 118

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



Student's participation in circuit design

Details:

Chief Guest/ Guest of Honor: Dr. P. Raja
Designation: Professor/ Head of the Department / ECE

Speaker: Alumni
Designation/Organization: B. tech/ ECE

Speaker:
Designation/Organization:

Speaker:
Designation/Organization:

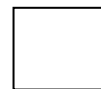
Report

(maximum 250 words)

Students Chapter of IEI have conducted Hands on training "Circuit design" to the first-year students of ECE.

Signature of the Faculty Advisor

Details of Technical Activity with date affixed with seal



(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: BHARATHIYAR MEMORIAL CENTENARY CELEBRATION – 2021

Date : 25.10.2021 to 27.10.2021

Duration: 3 days

No of Students Participated: 78

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



View of the participants in poem writing competition

Details:

Chief Guest/ Guest of Honor:Dr. P.Raja
Designation: Professor & Head/ECE

Speaker:
Designation/Organization:

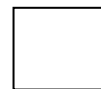
Speaker:
Designation/Organization:

Speaker:
Designation/Organization:

Report

(maximum 250 words)

Mahakavi Bharathiar, a Mudasu poet who sought to eradicate caste differences and superstitions. The one who saw male - female equality as 'see male-female relaxation in attainable knowledge'. The Institution of Engineers (IEI) student chapter, under the jurisdiction of department of Electronics and Communication Engineering had conducted various competitions like Poem recitation, Tamil poetry writing and Tamil Elocution in our college to mark the 100th centenary day of the incomparable Tamil patriot, poet, writer, journalist, freedom fighter and social reformer. Dr.P.Raja, Professor and Head of the department inaugurated the function with a motivational speech and distributed



prizes for the winners. Puduvai is closely related to the soil and Bharati. In the new Bharathi lived for more than a year and created various great works and contributed to the liberation of the country. He sowed not only patriotism but also spirituality. IEI Students of our department, Electronics and Communication Engineering participated in various competitions very enthusiastically.

Signature of the Faculty Advisor
with date affixed with seal

Details of Technical Activity

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Awareness on World Consumer Rights Day Programme

Date : 15.03.2022

Duration: 3 Hrs

No of Students Participated: 71

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



Mr.S.Ganesan, Assistant Professor of ECE explained about the importance of world consumer rights day

Details:

Chief Guest/ Guest of Honor: Dr. V. S. K. Venkatachalapathy

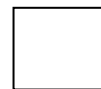
Designation: Director cum Principal

Speaker: Dr.P.Raja

Designation/Organization: Professor and Head of the department

Speaker:

Designation/Organization:



Speaker:
Designation/Organization:

Report

(maximum 250 words)

The Institution of Engineers (IEI) student chapter, under the jurisdiction of department of Electronics and Communication Engineering conducted an Awareness programme on World Consumer Rights Day on 15.03.2022 under the guidance of our beloved principal Dr. V. S. K. Venkatachalapathy at Sri Manakula Vinayagar Engineering College. Dr.P.Raja, Professor and Head of the department delivered lecture on the importance of World Consumer Rights Day. **The consumer has the right to be informed about the quality, quantity, potency, purity, standard and price of goods so as to protect the consumers against unfair trade practices.**World Consumer Rights Day was inspired by President John F Kennedy, who sent a special message to the US Congress on 15th March 1962, in which he formally addressed the issue of consumer rights. Consumers should insist on getting all the information about the product or the service before making a choice or a decision. Consumer can then complain and ask for compensation or replacement if the product proves to be defective in any manner. This enables the consumer to act wisely and responsible and also enable them to desist from falling prey to high pressure selling techniques. Consumers have rights to be heard, to information, to choose, to safety, seek redressal, to consumer education. While buying many commodities, on the cover we must have to see with the letters ISI, Agmark and Hallmark. These logos and certificates help consumers get assured of quality while purchasing the goods and services.

Signature of the Faculty Advisor
with date affixed with seal

Details of Technical Activity

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: International Women's Day/'Gender Equality Today for a Sustainable Tomorrow'.

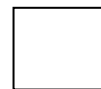
Date : 08.03.22

Duration:2.30 Hrs

No of Students Participated:112

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



Chief guest delivering lecture

Details:

Chief Guest/ Guest of Honor: Mrs. Sanhita Nadkarni

Designation: Company Secretary, EATON Power Quality Pvt. Ltd

**Speaker:
Designation/Organization:**

**Speaker:
Designation/Organization:**

**Speaker:
Designation/Organization:**

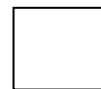
Report

(maximum 250 words)




International Women's Day is celebrated on March 8, all over the world. The day commemorates the achievements of women and their existence in general. This day holds significance because the world celebrates women's achievements on this day, raises awareness about women's equality and accelerates gender parity. The theme for International Women's Day 2022 is 'Gender Equality Today for a Sustainable Tomorrow'.

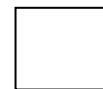
Every year, Sri Manakula Vinayagar Engineering College ECE IEI student chapter conducts program for International Women's Day. Mrs. Sanhita Nadkarni, Company Secretary, EATON Power Quality Pvt. Ltd, invited as Chief Guest this year. IEI Students from Department of Electronics and Communication Engineering attended International Women's Day and also participated in Women's Day quiz in online mode.

Signature of the Faculty Advisor
with date affixed with seal

**Details of Technical Activity**

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: 140th Birthday Anniversary Celebration of National Poet Bharathiyar	
Date : 24.12.2021	Duration: 2 Hrs
No of Students Participated: 46	
Photographs with caption: <i>(Activity reports not supported by photographs shall not be considered for award)</i>	
 	
	
Active participation of students in various competitions	
Details:	
Chief Guest/ Guest of Honor: Designation:	
Speaker: Designation/Organization:	Speaker: Designation/Organization:
Speaker: Designation/Organization:	
Report	
<i>(maximum 250 words)</i>	
<p>Mahakavi Bhartiya celebrates his 140th birthday. His social anger is burning like wildfire and his writings continue to ignite the present generation. A multi-dimensional writer, poet, journalist and freedom fighter, Amara Kavi dreamed of "Nurturing this movement with his openness to song". For the tribute of his birthday celebration, IEI ECE students chapter of Sri Manakula Vinayagar Engineering College conducted various competitions to come bring</p>	

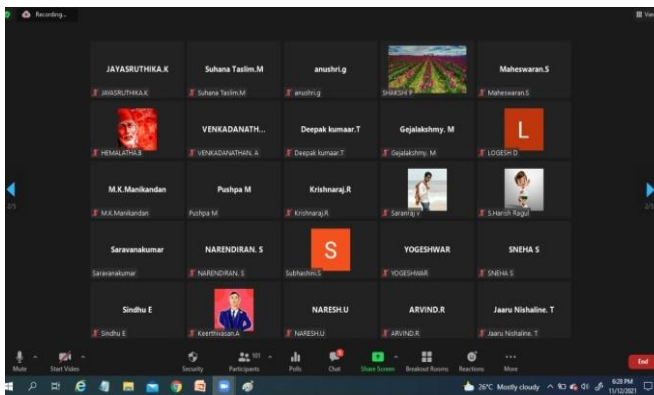


out the talents of the students. On behalf of this many numbers of our Electronics and Communication Engineering students were participated in the competition and proven their talents in Poem, Elocution writing and Painting on 24.12.2021.

Signature of the Faculty Advisor
with date affixed with seal

Details of Technical Activity

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: NATIONAL EDUCATION DAY	
Date : 13.11.2021	Duration:3 Hrs
No of Students Participated:115	
Photographs with caption: <i>(Activity reports not supported by photographs shall not be considered for award)</i>	
 <p style="text-align: center;"><i>Active participation of students in webinar</i></p>	
Details:	
Chief Guest/ Guest of Honor: Designation:	
Speaker: Designation/Organization:	Speaker: Designation/Organization:
Speaker: Designation/Organization:	
Report (maximum 250 words)	



National Education Day 2022: The National Education Day is being celebrated every year since 2008 to commemorate the birth anniversary of the first Education Minister Maulana Abul Kalam Azad. IEI ECE students chapter of Sri Manakula Vinayagar Engineering College conducted webinar on the theme “Changing Course, Transforming Education. On behalf of this many numbers of our Electronics and Communication Engineering IEI students were participated in the webinar.

Signature of the Faculty Advisor
with date affixed with seal

Details of Technical Activity

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Mother Language Day

Date : 21.02.2022

Duration:2 Hrs

No of Students Participated:60

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



Students were speaking about their Mother Language

Details:

Chief Guest/ Guest of Honor:
Designation:

Speaker:
Designation/Organization:

Speaker:
Designation/Organization:

Speaker:
Designation/Organization:

**Report****(maximum 250 words)**

International Mother Language Day is being observed globally on February 21 (Monday) to promote linguistic and cultural diversity and multilingualism. The idea to celebrate the International Mother Language Day was approved by United Nations Educational, Scientific and Cultural Organization or UNESCO in 1999. IEI ECE students chapter of Sri Manakula Vinayagar Engineering College conducted various competitions to come bring out the talents of the students.

Signature of the Faculty Advisor

with date affixed with seal

Details of Technical Activity

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: National Voters Awareness Contest**Date : 8.12.21****Duration: 3 Hrs****No of Students Participated:134****Photographs with caption:***(Activity reports not supported by photographs shall not be considered for award)****Participants of National Voters Awareness Contest*****Details:****Chief Guest/ Guest of Honor:****Designation:**



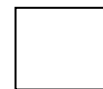
Speaker: Designation/Organization:	Speaker: Designation/Organization:
Speaker: Designation/Organization:	

Report*(maximum 250 words)*

Systematic Voters' Education and Electoral Participation (SVEEP) is a programme of multi interventions through the different modes and media designed to educate citizens, electors and voters about the electoral process in order to increase their awareness and participation in the electoral processes. SVEEP is designed according to the socio-economic, cultural and demographic profile of the state as well as the history of electoral participation in previous rounds of elections and learning thereof.

As per the guidelines by our beloved Director cum Principal Dr. V. S. K Venkatachalapathy, various awareness programme was conducted in our college. On behalf of the IEI Student chapter department of Electronics and Communication Engineering, had organized the outreach programme "My Vote is my future Power of One vote" for all the classes. Many students from our department were volunteer themselves and participated in contest like Quiz Contest, Slogan Contest, Video Design Contest.

Signature of the Faculty Advisor
with date affixed with seal

**Details of Technical Activity**

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Sworn Ceremony
Date : 03.05.21
Duration:3 Hrs
No of Students Participated:114
Photographs with caption:

(Activity reports not
photographs shall
for award)



supported by
not be considered

*Resource Person, HoD, Faculties & IEI Student
members*

Details:
Chief Guest/ Guest of Honor:
Designation:
Speaker:
Designation/Organization:
Speaker:
Designation/Organization:
Speaker:
Designation/Organization:

**Report***(maximum 250 words)*

Sri Manakula Vinayagar Engineering College, Electronics and Communication Engineering(ECE) department, The Institution of Engineers (India) (IEI) Student chapter president, R.Devavasanth wholeheartedly, gave welcome all electronics and communication engineering IEI student members to sworn ceremony. Dr.R. Kurinjimalar Professor of ECE honored Dr. P. Raja Professor Head of Electronics and Communication Engineering. Dr. R. Subramanian, Associate Dean addressed the IEI members about the importance of IEI and the activities. He said the IEI members to use this platform to conduct various activities and gain some exposure. Dr. P. Raja Professor & Head of department addressed the IEI members about the significance of IEI. He told the IEI members to use this platform to enjoy various activities and gain technical knowledge as a result. He insisted that IEI should create lots of opportunities for the students to show off their talents. IEI faculty in charge Dr. N. Jothy, and Mrs. R. Gayathri made proper arrangements for the proper conduction of the programme. The Vote of Thanks was given by Vice President of IEI student chapter M.Aravindh. He enthusiastically thanked the almighty and expressed his sincere gratitude towards HOD, IEI faculty in charge Dr. N. Jothy, and Mrs. R. Gayathri for their moral support. He also added that it was his privilege to thank the IEI committee members, the faculty members of the department and the student members of IEI for making the function a grand success.

Details of Technical Activity

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film term course)

Signature of the Faculty Advisor
with date affixed with seal

Title /Theme: TECHNICAL QUIZ**Date :8.5.21****Duration: 1.30 Hrs****No of Students Participated:114****Photographs with caption:**

*(Activity reports not
shall not be considered*



*supported by photographs
for award)*



Active participation of students in technical quiz

Details:

Chief Guest/ Guest of Honor:

Designation:

Speaker:

Designation/Organization:

Speaker:

Designation/Organization:

Speaker:

Designation/Organization:

Report

(maximum 250 words)

Sri Manakula Vinayagar Engineering College, ECE department IEI Student had organized Technical Quiz to all Electronics and Communication Engineering IEI student members. R.Devavasanth wholeheartedly, gave welcome all electronics and communication engineering IEI student members for the Technical quiz. Students of II year actively participated in the competition. II year students on a total of 114 students participated in Round 1. After the result of Round 1, 10 Teams were selected and they participated in Round 2. After the result of Round 2, 6 Teams were selected and they participated in Round 3. Dr. P. Raja Professor & Head of department gave a motivational speech and distributed the prizes for prize winner. IEI faculty in charge Dr. N. Jothy, and Mrs. R. Gayathri made proper arrangements for the proper conduction of the programme. IEI Student chapter president R.Devavasanth and vice president M.Aravindh co-ordinated the event in a magnificent manner. The Vote of Thanks was given by Vice President of IEI student chapter M.Aravindh. He enthusiastically thanked the almighty and expressed his sincere gratitude towards HOD, IEI faculty in charge Dr. N. Jothy, and Mrs. R. Gayathri for their moral support. He also added that it was his privilege to thank the IEI committee members, the faculty members of the department and the student members of IEI for making the function a grand success.

Details of Technical Activity

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film term course)

Signature of the Faculty Advisor

with date affixed with seal

Title /Theme: Aptitude Test

Date : 12.05.21

Duration: 3Hrs

**No of Students Participated:115****Photographs with caption:**

(Activity reports not
photographs shall not be
award)



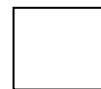
supported by
considered for

Active participation of I, II, III year students in Aptitude test

Details:**Chief Guest/ Guest of Honor:****Designation:****Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Report**

(maximum 250 words)

Sri Manakula Vinayagar Engineering College, ECE department IEI Student had organized Technical Quiz to all Electronics and Communication Engineering IEI student members. R.Devavasanth wholeheartedly, gave welcome all electronics and communication engineering IEI student members for the Aptitude Test. Student members of IEI actively participated in the competition . I year students on a total of 60, II year students on a total of 30 and III



year students on a total of 25 students participated. Results were announced and Dr. P. Raja Professor & Head of department gave a motivational speech and distributed the prizes for prize winner. IEI faculty in charge Dr. N. Jothy, and Mrs. R. Gayathri made proper arrangements for the proper conduction of the programme. IEI Student chapter president R.Devavasanth and vice president M.Aravindh co-ordinated the event in a magnificent manner. The Vote of Thanks was given by Vice President of IEI student chapter M.Aravindh. He enthusiastically thanked the almighty and expressed his sincere gratitude towards HOD, IEI faculty in charge Dr. N. Jothy, and Mrs. R. Gayathri for their moral support. He also added that it was his privilege to thank the IEI committee members, the faculty members of the department and the student members of IEI for making the function a grand success.

Details of Technical Activity

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film term course)

Signature of the Faculty Advisor
with date affixed with seal

Title /Theme: Industrial visit- SPECTRA PLAST

Date 17.05.21

Duration:1 day

No of Students Participated:75

Photographs with caption:

(Activity reports not considered for award)



supported by photographs shall not be

Industrial visit on spectra plast company

Details:

Chief Guest/ Guest of Honor:

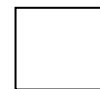
Designation:

Speaker:

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Speaker:

Designation/Organization:



Speaker: Designation/Organization:	
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Report*(maximum 250 words)*

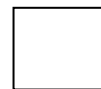
Sri Manakula Vinayagar Engineering College ,ECE Department IEI Students had organized Industrial visit on spectra plast company. Quality is never an accident. It is always the result of innovative & intelligent effort” Spectra Plast began as a tailored made engineering components manufacturer in the year 2000 with a modest background. Our core value lies in providing customized solutions to machine builders through the products we offer. We gained reputation through our dedication, hard work and a sharp acumen to enhance product quality and expand our application through proven solution. Gaining momentum from this model, we diversified our operation into conveyor automation for bottling and beverage industry. We evolved an end to end support for the conveyor components market with dedicated design and service support for the conveyor industry, through our exclusive programs like line audits, mapping, maintenance and service support. We received an overwhelming response from our customer for our processing capabilities of wide and latest range of engineering plastics that encouraged us to explore new applications in food, pharmaceutical, automotive, tyre, personal care, health care and so on. Today we proudly represent our products through the trust of more than 2500 customers in more than 25 countries around the globe. We believe in a clean and safer environment providing sustainable engineering solutions through our products and services

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film term course)

Signature of the Faculty Advisor

with date affixed with seal

Title /Theme: Industrial visit- MASS SOLAR SYSTEM**Date :** 24.05.21**Duration:** 1day**No of Students Participated:**60**Photographs with caption:***(Activity reports not supported by photographs shall not be considered for award)*



Industrial visit on MASS SOLAR SYSTEM

Details:

Chief Guest/ Guest of Honor:	
Designation:	
Speaker:	Speaker:
Designation/Organization:	Designation/Organization:
Speaker:	
Designation/Organization:	

Report

(maximum 250 words)

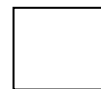
Sri Manakula Vinayagar Engineering College ,ECE Department IEI Students had organized Industrial visit on MAS Solar Systems Private Limited started to focus completely on solar and its applications. MAS Solar Systems Private Limited was started on AUGUST 2010 in the well-equipped Industrial Estate in Coimbatore which is Manchester of South India.

MAS Solar Systems Private Limited is one of the Largest Solar PV Modules Manufactures in India. We provide solutions for power related, to various Industries, Institution, Domestic & Commercial purpose. We also tie- up with Renewable Research Institutions & Industries for Product development, Testing & Certifications, Training and Awareness program.

MAS Solar Systems has gained a well revered name in the domain of solar equipment's. We are one of the leading manufacturers, suppliers of hi-tech solar products in the market, with the strong Research & Development team. The company has planned to introduce various solar products to the nation in **“motto to support use of solar energy”** by giving the quality solar products.

Details of Technical Activity _____

Signature of the Faculty Advisor
with date affixed with seal



(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: GUEST LECTURE ON IOT FOR DOWNSTREAM OIL & GAS INDUSTRY- Mr. S. Ganesh

Date :09.06.21

Duration:2 hrs

No of Students Participated:40

Photographs with caption:

*(Activity reports not
be considered for award*



*supported by photographs shall not
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Details:

Chief Guest/ Guest of Honor:

Designation:

Speaker:

Designation/Organization:

Speaker:

Designation/Organization:

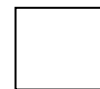
Speaker:

Designation/Organization:

Report

(maximum 250 words)

Sri Manakula Vinayagar Engineering College ,ECE Department IEI Students had organized guest lecture . The Internet of Things (IoT) in the oil & gas industry is the network of physical objects connected to the Internet. Wearable devices, vehicles, equipment, buildings, and just about any other thing can be embedded with electronics, software, sensors, and network connectivity. The ability to transfer data without requiring human interaction enables previously unprecedented amounts of data to be collected and exchanged with other devices, or through a central platform.



Increasingly, forward-thinking oil & gas organizations are focusing their IoT initiatives less on underlying sensors, devices, and "smart" things and more on developing bold approaches for managing data, leveraging "brownfield" IoT infrastructure, and developing new business models. In the oil & gas industry, sensors that monitor inventory levels of onshore oil tanks automatically dispatch trucks when the tanks need to be emptied. Sensors also monitor the performance of above-ground pumps to alert maintenance teams of potential and actual issues, and provide employees with early warning signs of possible safety issues to help prevent injuries and fatalities. Real-time oil tank sensor notifications enable continuous pumping while optimizing inventory transportation and minimizing downtime costs. Cloud-based digital dashboard visualizations convey information in an insightful manner that drives improved decision-making.

Details of Technical Activity

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film term course)

Signature of the Faculty Advisor
with date affixed with seal

Title /Theme: Hands on Training on 'Simulation using Proteus'

Date : 19.06.21

Duration: 2 hrs

No of Students Participated: 210

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



Hands on Training on 'Simulation using Proteus'

Details:



Chief Guest/ Guest of Honor: Sathyamoorthy.J Sumanth.G.V,Sarathchandiran.S Final year students

Designation:

Speaker:

Designation/Organization:

Speaker:

Designation/Organization:

Speaker:

Designation/Organization:

Report

(maximum 250 words)

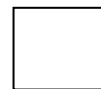
Sri Manakula Vinayagar Engineering College ECE department IEI student chapter organised hands on training on simulation using proteus. Proteus simulation software has been my best friend for years. I remember those student life days when I was in hostel and I had no access to maximum of the hardware components, I was also low on budget and my pocket won't allow me to purchase these components. This was when I made friendship with **Proteus Simulation Software**. I was making intermediate and advanced level projects without even spending a single penny. **Proteus simulation software** really helped me a lot in learning the Electronics basics. Many boys and girls ask me about the **Proteus simulation software**, finally I decided to share my knowledge and experience with you guys so that you can easily get started with this amazing Tool called **Proteus**.

If you have the **Proteus** software then don't wait for any hardware components, because **Proteus** have thousands of **electronics components models** which you can use to build and test your projects. There are certain controller boards like **Arduino boards**, and **sensors** which don't come with the **Proteus**. You will need to download different **Proteus Model libraries**. In this article I will explain everything from **downloading a Proteus model part** and then how to use it in a **simulation**. I will also explain how to write the **Arduino Code** and then how to upload that code to make a working simulation. Without any further delay, let's get started!!!

Details of Technical Activity

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film term course)

Signature of the Faculty Advisor
with date affixed with seal



Title /Theme: Guest Lecture on 'Advanced Driver Assistance Systems'

Date : 21.06.21

Duration: 2 hrs

No of Students Participated: 208

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



Guest Lecture on 'Advanced Driver Assistance Systems'

Details:

Chief Guest/ Guest of Honor: Mr.R.Ravi,

Designation: Senior technical head, Valeo India Pvt.Ltd

Speaker:

Designation/Organization:

Speaker:

Designation/Organization:

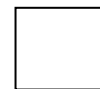
Speaker:

Designation/Organization:

Report

(maximum 250 words)

Department of Electronics and Communication Engineering organized a Guest Lecture through The Institution of Engineers (India) Students Chapter on "guest lecture on Advanced Driver Assistance System (ADAS) using



Arduino” for second -year ECE students. The seminar started at 10:00 AM on 20 th August 2022 at Lecture Hall.

The welcome speech was given by Ms. Dhanalakshmi. Dr. P. Raja HOD-ECE addressed the gathering and briefed about the seminar. He introduced Mr. R. Ravi, Senior Technical Lead, Valeo India Pvt. Ltd, Chennai . Car safety measures the Passive safety measures (after crash) – Airbag, Bumper, Seatbelt, head rest etc. and Active safety measures (before crash) – Electronic stability, Sensors

- Parking assistance
- Ultrasonic sensor ○ Transducer, Echo, Time of flight (TOF), Distance to object
- Distance sensor demonstration
- Automated parking
- Adaptive cruise control [ACC] – Automatic gear change and navigation
- Speed measuring
- Lane assist and basic lane detection
- Usage of Lidar Sensor – to measure variable distance of surroundings.
- Sensor Fusion

Mr. Ravi displayed sensors to the students physically and explained the operating distances and working principles. Maze Solver robot was also discussed. He also encouraged students on academic projects and discussed various possible topics for the same.

Details of Technical Activity

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film term course)

Signature of the Faculty Advisor

with date affixed with seal

Title /Theme: Hands on Training on 'Mobile servicing

Date : 24.06.21

Duration:1 day

No of Students Participated:180

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



*Hands on Training on 'Mobile servicing***Details:**

Chief Guest/ Guest of Honor: Servicing Mr. A. Ayyappan, Syed Saif Hardware & Software Technician, JSR Mobiles, Puducherry

Designation:

Speaker:

Designation/Organization:

Speaker:

Designation/Organization:

Speaker:

Designation/Organization:

Report

(maximum 250 words)

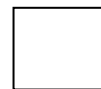
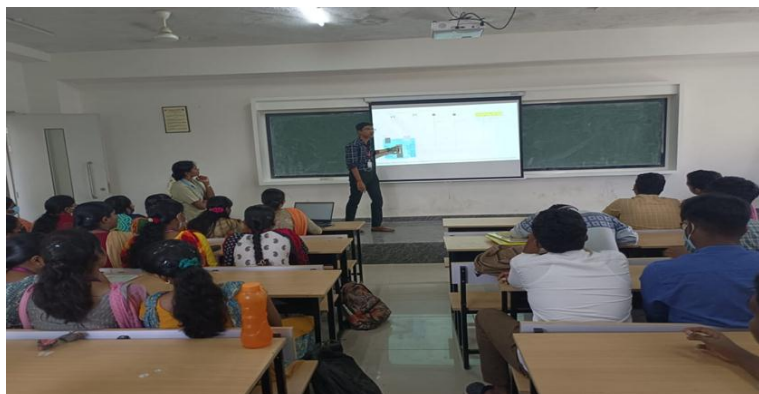
Sri Manakula Vinayagar Engineering College ECE department IEI student chapter organised hands on training on Mobile Servicing. A mobile cellphone is a hand held mobile device that can perform several communication functions. Mobile technology has become one of the fastest growing technologies in the world. Today people use mobile phones to stay in touch with friends and family, to share stories and photographs in social media, and to carry out . Indeed, according to a World Bank policy research paper of 2012, 93% of Kenyans owned a mobile phone by the end of 2011. This widespread ownership and use of mobile phones has created a need for professionals who can repair and service mobile phones. This course has been developed to address that need. The course targets people who would like to start and run a mobile repair and servicing business. By the end of this course you should be able to disassemble and assemble a mobile phone, diagnose the problem, service and repair a mobile phone with the help of proper tools and instruments. A mobile phone is a handheld device that allows you to make and receive telephone calls while you move around a wide geographical area. A mobile phone also supports several other functions, such as text messaging, email and internet access.

Details of Technical Activity

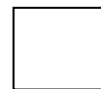
(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film term course)

Signature of the Faculty Advisor
with date affixed with seal

Title /Theme: Presentation on "IoT based Air pollution Monitoring system"

**Date : 29.06.21****Duration: 2 hrs****No of Students Participated: 197****Photographs with caption:***(Activity reports not supported by photographs shall not be considered for award)**Presentation on "IoT based Air pollution Monitoring system"***Details:****Chief Guest/ Guest of Honor:** Gagahul.S, Sibbi.T,Sakthi.M,Second Years**Designation:****Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Report****(maximum 250 words)**

Sri Manakula Vinayagar Engineering College ECE department IEI student chapter organized Presentation on "IoT based Air pollution Monitoring system" .Air pollution is the biggest problem of every nation, whether it is developed or developing. Health problems have been growing at faster rate especially in urban areas of developing countries



where industrialization and growing number of vehicles leads to release of lot of gaseous pollutants. Harmful effects of pollution include mild allergic reactions such as irritation of the throat, eyes and nose as well as some serious problems like bronchitis, heart diseases, pneumonia, lung and aggravated asthma. According to a survey, due to air pollution 50,000 to 100,000 premature deaths per year occur in the U.S. alone. Whereas in EU number reaches to 300,000 and over 3,000,000 worldwide. IOT Based Air Pollution Monitoring System monitors the Air quality over a web server using Internet and will trigger an alarm when the air quality goes down beyond a certain threshold level, means when there are sufficient amount of harmful gases present in the air like CO₂, smoke, alcohol, benzene, NH₃, LPG and NO_x. It will show the air quality in PPM on the LCD and as well as on webpage so that it can monitor it very easily. LPG sensor is added in this system which is used mostly in houses. The system will show temperature and humidity. The system can be installed anywhere but mostly in industries and houses where gases are mostly to be found and gives an alert message when the system crosses threshold limit. The level of pollution is increasing rapidly due to factors like industries, urbanization, increasing in population, vehicle use which can affect human health. IOT Based Air Pollution Monitoring System is used to monitor the Air Quality over a web server using Internet. It will trigger an alarm when the air quality goes down beyond a certain level, means when there are sufficient amount of harmful gases present in the air like CO₂, smoke, alcohol, benzene, NH₃ and NO_x. It will show the air quality in PPM on the LCD and as well as on webpage so that air pollution can be monitored very easily. The system uses MQ135 and MQ6 sensor for monitoring Air Quality as it detects most harmful gases and can measure their amount accurately. The system to monitor the air of environment using Arduino microcontroller, IOT Technology is proposed to improve quality of air. With the use of IOT technology enhances the process of monitoring various aspects of environment such as air quality monitoring issue proposed in this paper. Here, using the MQ135 and MQ6 gas sensor gives the sense of different type of dangerous gas and arduino is the heart of this project. Which control the entire process. Wi-Fi module connects the whole process to internet and LCD is used for the visual Output.

Details of Technical Activity

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film term course)

Signature of the Faculty Advisor

with date affixed with seal

Title /Theme: Presentation on “Introduction to Artificial Intelligence (AI)”

Date : 02.07.21

Duration: 2 hrs

No of Students Participated:186

**Photographs with caption:**

(Activity reports not supported by photographs shall not be considered for award)



Presentation on “Introduction to Artificial Intelligence (AI) ”

Details:

Chief Guest/ Guest of Honor: Raghul.S Sibbi.T Sreeja.M Second Years

Designation:

Speaker:

Designation/Organization:

Speaker:

Designation/Organization:

Speaker:

Designation/Organization:

Report

(maximum 250 words)

sri Manakula Vinayagar Engineering College ECE department IEI student chapter organized Presentation on “Introduction to Artificial Intelligence (AI) ”. AI which stands for artificial intelligence refers to systems or machines that mimic human intelligence to perform tasks and can iteratively improve themselves based on the information they collect. AI manifests in a number of forms. A few examples are: Chatbots use AI to understand customer problems faster and provide more efficient answers Intelligent assistants use AI to parse critical information from large free-text datasets to improve scheduling Recommendation engines can provide automated recommendations for TV shows based on users’ viewing habits. AI is much more about the process and the capability for superpowered thinking and data analysis than it is about any particular format or function. Although AI brings up images of high-functioning, human-like robots taking over the world, AI isn’t intended to replace humans. It’s intended to significantly enhance human capabilities and contributions. That makes it a very valuable business asset. he



emergence of AI-powered solutions and tools means that more companies can take advantage of AI at a lower cost and in less time. Ready-to-use AI refers to the solutions, tools, and software that either have built-in AI capabilities or automate the process of algorithmic decision-making. Ready-to-use AI can be anything from autonomous databases, which self-heal using machine learning, to prebuilt models that can be applied to a variety of datasets to solve challenges such as image recognition and text analysis. It can help companies achieve a faster time to value, increase productivity, reduce costs, and improve relationships with customers.

Details of Technical Activity

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Projec
Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Filmi
term course)

Signature of the Faculty Advisor
with date affixed with seal

Title /Theme: Presentation on Smart Dust

Date : 05.07.21

Duration: 2 hrs

No of Students Participated: 195

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



Presentation on Smart Dust

Details:

Chief Guest/ Guest of Honor: M.Tech Students

Designation:



Speaker: Designation/Organization:	Speaker: Designation/Organization:
Speaker: Designation/Organization:	

Report*(maximum 250 words)*

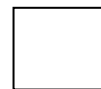
Sri Manakula Vinayagar Engineering College ECE department IEI student chapter organized Presentation on Smart Dust.

smartdust is a system of many tiny [microelectromechanical systems](#) (MEMS) such as sensors, robots, or other devices, that can detect, for example, [light](#), [temperature](#), [vibration](#), [magnetism](#), or [chemicals](#). They are usually operated on a [computer network wirelessly](#) and are distributed over some area to perform tasks, usually sensing through [radio-frequency identification](#). Without an antenna of much greater size the range of tiny smart dust communication devices is measured in a few [millimeters](#) and they may be vulnerable to electromagnetic disablement and destruction by microwave exposure. The idea behind due to pack sophisticated sensors, tiny computers and wireless communication in to a cubic millimeter mote to form the basis of integrated massively distributed sensor networks. They can monitor the environment for light, sound, temperature, chemical composition and a wide range of other information and beam that data back to the base station, miles away.

Details of Technical Activity

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Committee Meetings	
Date : 17.7.21	Duration: 1 Hrs



No of Students Participated:25

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)



Committee Discussion

Details:

Chief Guest/ Guest of Honor:

Designation:

Speaker:

Designation/Organization:

Speaker:

Designation/Organization:

Speaker:

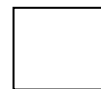
Designation/Organization:

Report

(maximum 250 words)

Points Discussed:

- To increase the count of IEI student members.



- To organize symposium, conference to III year students.
- To organize aptitude test for IV year students.
- To organize technique quiz and guest lecture to II year students.
- To arrange industrial visit to III year students.

Details of Technical Activity

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: Industrial visit

Date : 21.01.2022

Duration: one day

No of Students Participated:111

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)

Appasamy Associates, Pondicherry



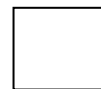
Details:



Chief Guest/ Guest of Honor: Designation:	
Speaker:	Speaker: Designation/Organization:
Speaker: Designation/Organization:	

Report
(maximum 250 words)

Title /Theme: Industrial Visit	
Date : 18.03.2022	Duration: one day
No of Students Participated: 111	
Photographs with caption: <i>(Activity reports not supported by photographs shall not be considered for award)</i> Pentagon Switch Gear Pvt.Ltd. Coimbatore	

**Details:**

Chief Guest/ Guest of Honor:
Designation:

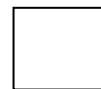
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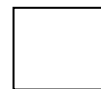
Report

(maximum 250 words)

**Title /Theme: Industrial Visit****Date :** 19.03.2022**Duration:** One day**No of Students Participated:**111**Photographs with caption:***(Activity reports not supported by photographs shall not be considered for award)*

New Tirupur area development corporation limited(NTADCL)

**Details:****Chief Guest/ Guest of Honor:****Designation:****Speaker:****Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Report****(maximum 250 words)**



Title /Theme: Apptitude

Date : 02.08.2021

Duration: 2 hours

No of Students Participated:96

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)

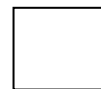


Details:

Chief Guest/ Guest of Honor:
Designation:

Speaker:

Speaker:
Designation/Organization:



Speaker:
Designation/Organization:

Report

(maximum 250 words)

Creates awareness about recent trends.

Known about Electrical Vehicle.

Students state that it was more informative and session created more research idea on electric vehicle.

Title /Theme: Apptitude

Date : 16.02.2022

Duration: 2 hours

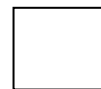
No of Students Participated: 111

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)

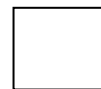
Apptitude Training

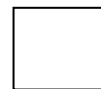




<u>Details:</u>	
Chief Guest/ Guest of Honor: Designation:	
Speaker:	Speaker: Designation/Organization:
Speaker: Designation/Organization:	
<u>Report</u> <u>(maximum 250 words)</u>	

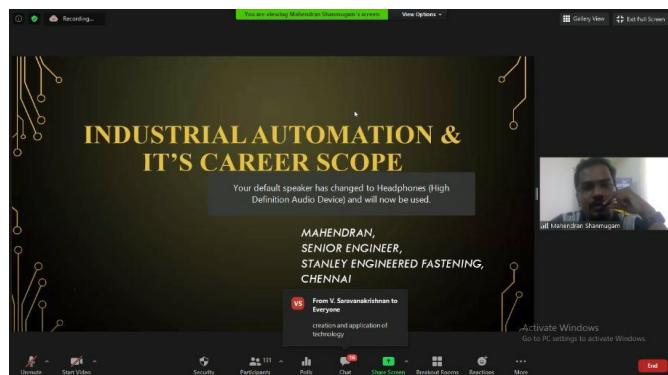
Title /Theme: Seminar	
Date : 04.06.2021	Duration: two hours
No of Students Participated: 82	
Photographs with caption: <i>(Activity reports not supported by photographs shall not be considered for award)</i> Seminar by Alumini	

**Details:****Chief Guest/ Guest of Honor:Mr.SriBalaji****Designation: Software Engineer, Hermen International,Bangalore****Speaker:****Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Report****(maximum 250 words)**

**Title /Theme: Seminar****Date :** 20.11.2021**Duration:** 2 hours**No of Students Participated:** 297**Photographs with caption:**

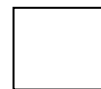
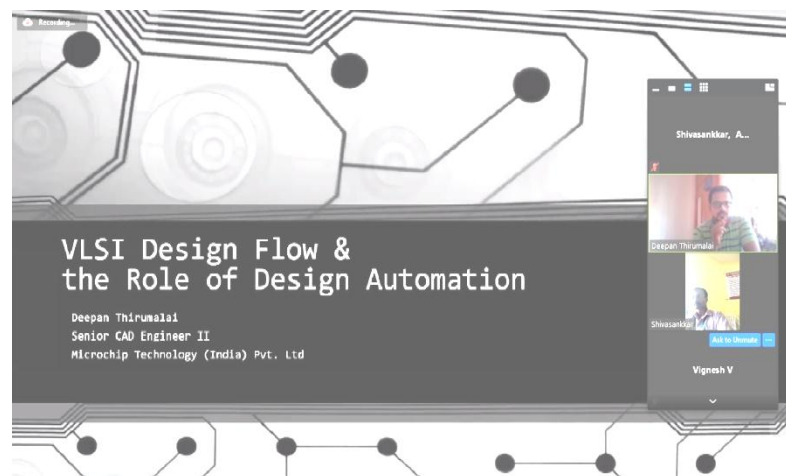
(Activity reports not supported by photographs shall not be considered for award)

“Industrial Automation and its Career Scope”

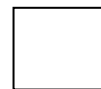
**Details:****Chief Guest/ Guest of Honor: Mr.S.Mahendran****Designation:** Senior Engineer-Manufacturing, Stanley Engineered Fastening (A unit of Stanley Black and Decker-USA), Sriperumbudur, Chennai.**Speaker:****Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Report**

(maximum 250 words)


Students state that it was a very interesting and informative session. Gave brief information about various automation techniques.

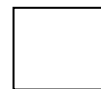
**Title /Theme: Seminar****Date :** 28.01.2022**Duration: 2 hours****No of Students Participated:****Photographs with caption:***(Activity reports not supported by photographs shall not be considered for award)***“VLSI design flow and the role of design automation”****Details:****Chief Guest/ Guest of Honor:** Mr. Deepan**Designation:** Senior CAD Engineer II,
Microchip Technology India Pvt. Ltd.,
Chennai**Speaker:****Speaker:****Designation/Organization:****Speaker:****Designation/Organization:****Report****(maximum 250 words)**

Students stated that it was a very interesting and informative session and very much useful for the academic projects.



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Title /Theme: Guest Lecture	
Date : 04.03.2022	Duration: 10.30 AM to 12.30 PM
No of Students Participated: 425	
Photographs with caption: (Activity reports not supported by photographs shall not be considered for award) "INTRODUCTION TO UX DESIGN, PROCESS AND ITS IMPACT"	
	
Details:	
Chief Guest/ Guest of Honor: Mr. Dannie Joe Ambrose Designation: Senior Architect - UX, Ramco Systems, Chennai	
Speaker:	Speaker: Designation/Organization:
Speaker: Designation/Organization:	
Report (maximum 250 words)	

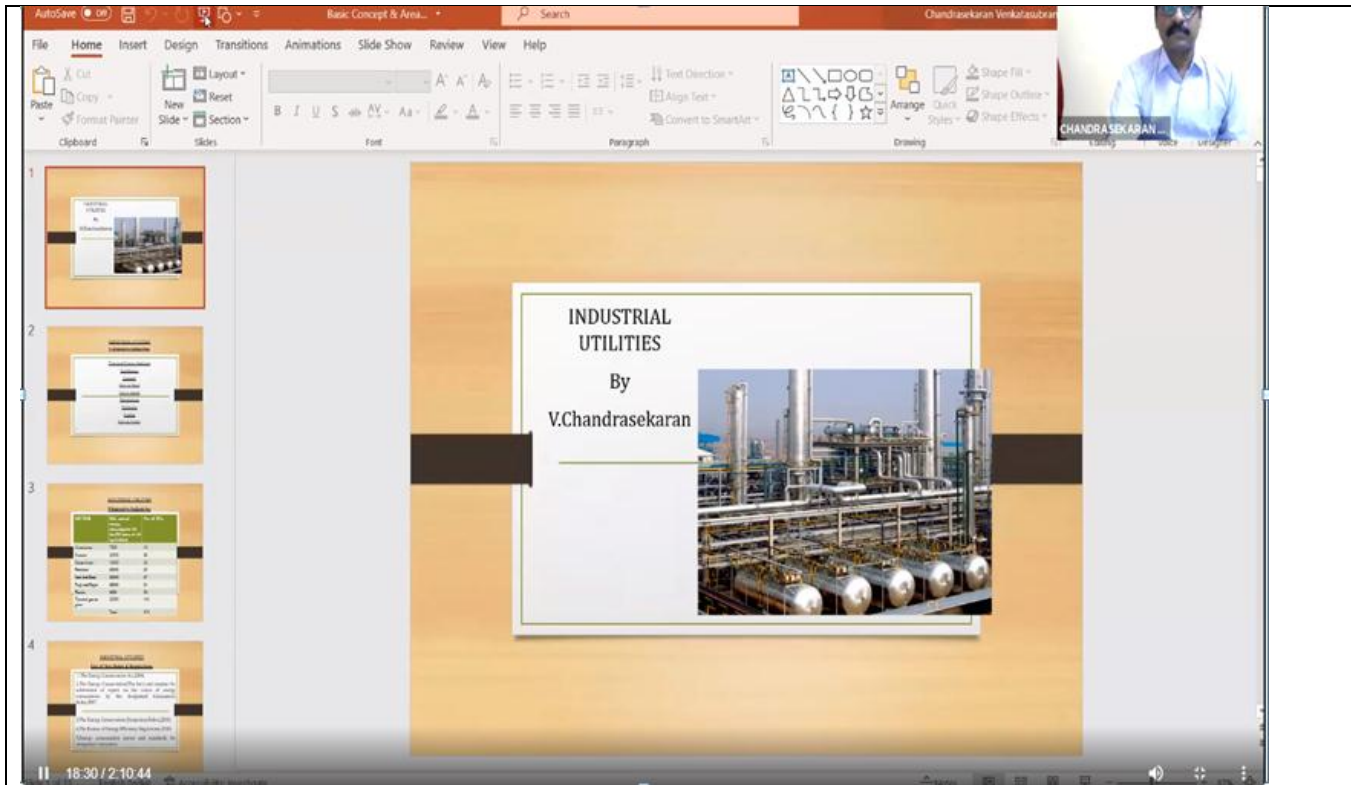
**Title /Theme: Guest Lecture****Date : 21.02.2022****Duration: 11.00 AM to 01.00 PM****No of Students Participated: 450****Photographs with caption:***(Activity reports not supported by photographs shall not be considered for award)***"ELECTRIC VEHICLE - FUTURE AND CHALLENGES"****Details:**



Chief Guest/ Guest of Honor: Dr.G.K.Sathish Kumar Designation: Manager, R&D (Power Electronics), Manatec E-Drive Pvt. Ltd, Puducherry	
Speaker:	Speaker: Designation/Organization:
Speaker: Designation/Organization:	

Report
(maximum 250 words)

Title /Theme: Guest Lecture	
Date : 30.10.2021	Duration: 2 hours
No of Students Participated: 490	
Photographs with caption: (Activity reports not supported by photographs shall not be considered for award) “Industrial Utilities”	



Details:

Chief Guest/ Guest of Honor: Mr. V.Chandrasekaran,
Designation: Chief Executive Officer, NITAS, Chennai

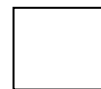
Speaker:

Speaker:
Designation/Organization:

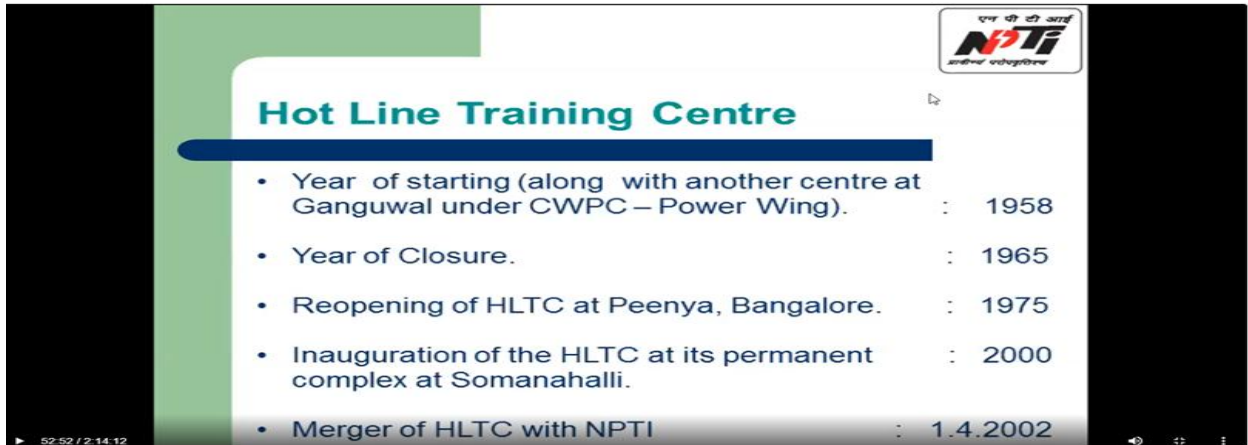
Speaker:
Designation/Organization:

Report

(maximum 250 words)



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Title /Theme: Guest Lecture	
Date : 23.10.2021	Duration: 2 hours
No of Students Participated: 430	
Photographs with caption: (Activity reports not supported by photographs shall not be considered for award) “Live Line Maintenance of Transmission Lines and Substation”	
	
Details:	
Chief Guest/ Guest of Honor: Mr. S.Prakash, Designation: Assistant Director, National Power Training Institute, Ministry of Power, Government of India, Hot Line Training Centre, Bengaluru,	
Speaker:	Speaker:
	Designation/Organization:
Speaker:	
Designation/Organization:	
Report (maximum 250 words)	



Engg College



/ Polytechnic



Signature of the Faculty Advisor
with date affixed with seal

Signature of the Faculty Advisor
with date affixed with seal