

# ANNAPOORANA ENGINEERING COLLEGE



(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
Accredited by NAAC with "A" Grade  
Recognized by UGC with 2(f) & 12(B) and ISO 9001:2015 Certified Institution  
NH-47, Sankari Main Road, Periyaseeragapadi, Salem-636308, Tamil Nadu.  
[www.aecsaalem.edu.in](http://www.aecsaalem.edu.in)



## AEC Chronicle

### News Letter

Volume - 6

Issue - 2





## Annapoorana Engineering College



### FOUNDER CHAIRMAN & MADAM FOUNDER CHAIRMAN

Annapoorana Engineering College (AEC) was promoted by the famous Thirumuruga Kirupananda Variyar Thavathiru Sundara Swamigal Medical Educational and Charitable Trust (TKVTSSMEC Trust) in the year 2010. The trust is a pioneer in offering higher education for over 3 decades in the fields of Medicine, Engineering, Dental, Pharmacy, Nursing, etc. It is always striving to impart quality education to all the students by providing state of art facilities, good academic ambience and opportunities to interact with Top Academicians / Professionals and right motivation to take part in co - curricular and extracurricular activities, thereby enabling them to develop deeply into the aspects of modern technology.

No account of the history can be complete without remembering the pioneering work of our **FOUNDER CHAIRMAN Dr.A.SHANMUGASUNDARAM** . It is the philanthropy of our Founder Chairman that has made this College a seat of Social Reform movements, Cultural Renaissance and Intellectual Awakening for the young men and women in this part of the country.

AEC is becoming a shining example of 'inclusive' culture providing quality education to students belonging to socially deprived groups. In this sense, this college proves to be a forerunner to the principle of social justice that was powerfully enunciated and enshrined in the constitution of Indian Republic. It aims at producing "Industry Ready World Class Engineers".

## **MOTTO**

Achieve, Excel, Compete.

## **VISION**

Excel as one of the renowned engineering and achieve greater recognition.

## **MISSION**

- Recognition through quality Education, Research, Consultancy and innovation in education.
- Provide students with the basic and advanced engineering knowledge, interdisciplinary problem solving skills, societal and business issues and self - confidence to excel in their professions and be the in the Global environment.
- Maintain a collegial, supportive and diverse environment that encourages our students, faculty and staff to achieve and compete to the best of their abilities.

## **QUALITY POLICY**

We at Annapoorana Engineering College is committed:

- ❖ To create an environment conducive to academic excellence and overall development of the students.
- ❖ To achieve excellence in technical education and commitment to continual improvement in producing Industry ready technocrats.
- ❖ To provide value-based quality education by maintaining pace with changing technology to produce competent and skilled professionals ready to accept upcoming industrial challenges.
- ❖ To maintain state-of-the art infrastructure and congenial learning environment.
- ❖ To achieve stake holders satisfaction by offering Quality Education and Training in the field of engineering in a disciplined environment.
- ❖ To collaborate with industries and organizations for students training and placements.
- ❖ To focus on the overall development of the students and thereby creating socially responsible professionals.
- ❖ To inculcate moral and ethical values among the students and staff
- ❖ To offer student centric activities
- ❖ To demonstrate excellent and effective teaching



## WORKSHOP ON IPR - AUTOMOBILES



The Department of Automobile Engineering organized a Workshop on “**IPR - Automobiles**” on 23.04.2023 in Dr.A.Shanmugasundaram Seminar Hall. Around 70 participants participated in this session.

**Er.Ramasamy ,General Manager, Sriram Engineering College, Salem** was the Guest Speaker for the session. Dr.A.Anbuchejian, Principal welcomed the speaker and the participants for the session and gave a brief introduction about the guest speaker.

During his speech the speaker explored the various categories of Additive Manufacturing. He also elaborated the Intellectual Property Rights. He concluded his session with a note that IPR Automobiles is an influential and impactful solution that is contributing to innovations in product development.

The session was much informative throughout and he took all effort to clarify the queries raised by the participants. Dr.Nedunchezian, HoD of Automobile Department thanked the guest speaker for the enlightening and informative speech.

## TECHNICAL WORKSHOP ON “LAND SURVEY USING TOTAL STATION”

The Department Of Civil Engineering in association with CEA organized a one day workshop on “**Land Survey Using Total Station**” on 18.02.2023. **Er. S.Kathiresan, Nilam Surveyor & Consultant, Namakkal** was the guest speaker. This workshop provided the opportunity to the students to use Total Station. A total station or TST (total station theodolite) is an electronic/optical instrument used in modern surveying and building construction. The total station is an electronic theodolite (transit) integrated with an electronic distance meter (EDM) to read slope distances from the instrument to a particular point. Robotic total stations allow the operator to control the instrument from a distance via remote control. This eliminates the need for an assistant staff member as the observed point.



Overall the workshop was technically and practically sound and the long term expected result is to make students which will help them in building the path of their carrier.



## WEBINAR ON “ MODERN CONSTRUCTION MATERIALS”

**ANNAPOORANA ENGINEERING COLLEGE**  
(An Autonomous Institution)  
Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai  
NAAC 'A' Grade & NBA Accredited Institution  
ISO 9001:2015 Accredited for Civil, EEE, SSS  
NH-47, Sankari Main Road, Periyar Nagar, Salem - 626208

**DEPARTMENT OF CIVIL ENGINEERING  
and ICI – Students Chapter**  
is Organizing Online Webinar on the Topic  
**MODERN CONSTRUCTION MATERIAL**  
on 27.02.2023 from 06.30 PM Onwards

-certificate Will  
Be Provided To  
All Participants

**Presented By**  
**Dr. S. Dhavamani Doss M.E., Ph.D.,**  
Assistant Professor,  
Department of Civil Engineering,  
Mount Zion College of Engineering and Technology, Pudhukottai, Tamil Nadu

**For More Details Please Contact:**  
**Organisers**  
**Dr. A. Anbuhezian**  
Principal  
Anna Poorana Engineering College

**Mrs. R.S. Gandhimathi**  
ASST.PROF/HOD-CIVIL  
Anna Poorana Engineering College

**Dr. S. Dhipan Aravind**  
ICI- STUDENT CO-ORDINATOR  
Anna Poorana Engineering College

Register using the below link:  
<https://forms.gle/XxKWdUesJvSUZz7>

Join with Google Meet  
<https://meet.google.com/vfh-s>

[dhipanaravinds@gmail.com](mailto:dhipanaravinds@gmail.com) | 9965530088

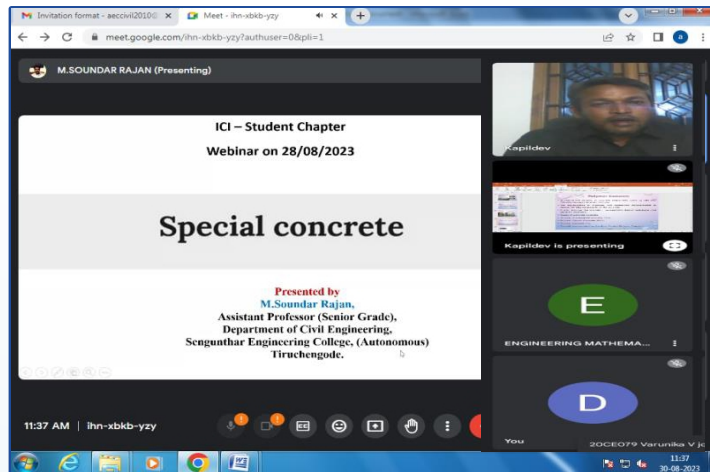
The Department of Civil Engineering and ICI -Students Chapter organized a webinar on “**Modern Construction Materials**” on 27/02/2023 Monday, between 06:30 PM to 07:30 PM, through the Zoom Meeting platform. The lecture for the webinar was given by **Dr. S. Dhavamani Doss Assistant Professor, Department of Civil Engineering, Mount Zion College of Engineering and Technology, Pudhukottai**. Totally 50 participants registered for this event, from that 30 participant’s attended the event with the Google Meet link sent to their respective Mail ID’s.

Ms. Mymitha, final year, presided over the session and offered welcome note before introducing the resource person. Dr. S. Dhavamani Doss did a presentation on “Modern Construction Materials”. He briefly explained the necessity of new materials available and how it is to be used in the modern way in the construction practices. The speaker primarily focused major

materials like cement, sand, and fine and coarse aggregate and their difference. Sir also mentioned briefly about different concrete practices in the field like Slurry Infiltrated Fiber Concrete (SIFCON) and Fiber Reinforced Concrete. Following that, there was a question and answer session in which the audience asked questions to clear their doubts.

The audience gave enthusiastic responses and encouraging comments in their favorable reaction. The expert congratulated the organizers for organizing the live webinar. Dr. S. Dhipan Aravind, an assistant professor, thanked everyone for attending the webinar. He commended the administration, the principal, Dr. A. Anbuchejian, the department head, Mrs. R.S. Gandhimathi, the students, and other officials for their enthusiastic involvement in making the program effective. He concluded by thanking the Indian Concrete Institute (ICI) for their significant assistance in making this webinar a huge success.

## WEBINAR ON “CONCRETE AND ITS ADVANCEMENTS”

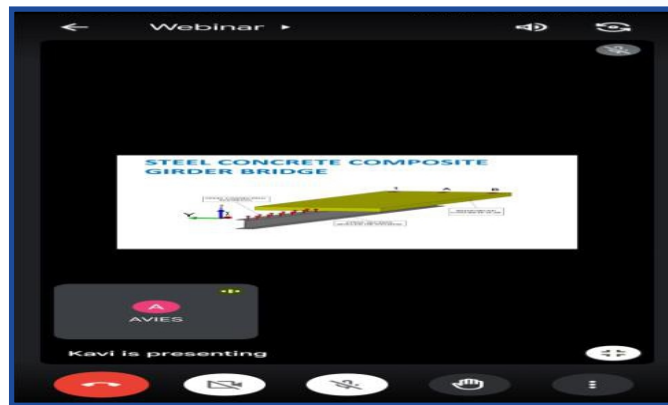


The Department of Civil Engineering and ICI-Students Chapter has organized a webinar on “**Concrete and its Advancement**” on 05/03/2023, between 10:30 AM to 12:30 PM, through the Google Meet platform. The lecture in this webinar was given by **Dr.P.Kapil Dev Chartered Engineer (Civil), Invented Engineers, Cuddalore**. Totally 30 participant’s attended the event with the Google Met.

Mr.S.Balaji Sankar, Assistant professor, presided over the session and offered welcome note before introducing the resource person. Dr.P.Kapil Dev did a presentation on “Concrete and its Advancements ”.He presented that, as among the recent advancements, most noteworthy is the development of super plasticized concrete mixtures which give very high fluidity at relatively low water contents. The hardened concrete due to its low porosity is generally characterized by high strength and high durability. Following that, there was a question and answer session in which the audience asked questions in order to clarify up any doubts.

In their positive reaction, the crowd made passionate reactions and supportive words. The expert thanked the organizers on the successful live webinar. Dr. S. Dhipan Aravind, Assistant professor thanked everyone for attending the webinar and finished by thanking the Indian Concrete Institute (ICI) for their important contribution and support to the success of this webinar.

### WEBINAR ON “PHILOSOPHY OF BRIDGE ENGINEERING”



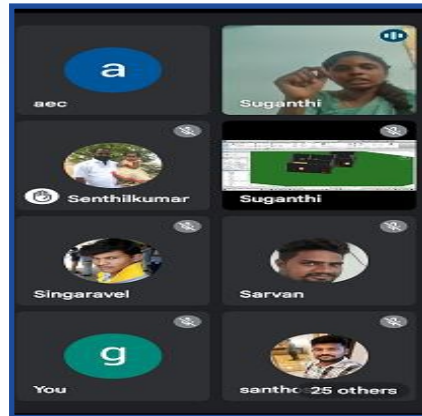
The Department of Civil Engineering and ICI-Students Chapter has organized a webinar on “**Philosophy of Bridge Engineering (Reinforced Cement Concrete Bridges and Steel Concrete Composite Bridges)**” on 15/03/2023 Wednesday, between 10:00 AM to 11:00 AM, through the Google Meeting platform. The webinar lecture was given by **Er.D.Kaviyaran, Infra-Structure Design Engineer, AVI Engineering Services, Chennai**. Totally 150 participants registered for this event, from that 100 participant’s attended the event with the Google Mee.

Ms. Mymitha, Final year, presided over the session with welcome note and introduced the resource person. Er.D.Kaviyaran did a presentation on “Philosophy of Bridge Engineering (Reinforced Cement Concrete Bridges and Steel Concrete Composite Bridges)”. He briefly explained the concept of Bridge Engineering, bridges and its types like steel concrete composite grider bridge, concrete in filled steel tube arch bridges, Methods in construction of different types of bridges, trusses and its types Planning and execution in bridge design, architecture, Design and analysis of bridges, politics and strategies in bridge construction. Following that, there was a question and answer session in which the audience asked questions to clear their doubts.

The audience gave enthusiastic responses and encouraging comments in their favorable reaction. The expert congratulated the organizers for organizing the live webinar. Ms.P.Selvapriya, Assistant Professor, thanked everyone for attending the webinar and ended the session with vote of thanks.



## DEMO ON SOFTWARES FOR ANALYSIS OF STRUCTURAL COMPONENTS



An online demo of **“Softwares for analysis of structural components”** was conducted for third year Civil Engineering students on 16.03.2023 at 3.30p.m through Google meet platform. **Er.Suganthi Balaraman, Structural Engineer, Suganthi Builders, Tirupattur** was the speaker. She started sharing that extensively used in the continuous series of undergraduate structural analysis and design courses, SAP2000 and ETABS have helped the civil engineering students gain real world experience with some of the most powerful software packages available to professionals. Allowing students to learn the software step by step (modeling, analysis, and design) in a sequential approach through successive interrelated core and elective courses (Structural Analysis, Reinforced Concrete Design, and Steel Design), supplies the students with the fundamentals needed to tackle large projects on their own. This paper illuminates the various learning projects that were given to the students in the courses mentioned above. The paper continues with a demonstration to a practical application as civil engineering students used SAP2000 to design a pedestrian bridge for the required capstone senior design course. The project allowed the students to further explore the various design capabilities of SAP2000 while moving past the seemingly simple static load conditions, and proceeding to more complex dynamic and nonlinear analysis of the proposed pedestrian bridge. Using the background from earlier courses and the online help menu provided by the software, the group was able to successfully model, analyze, and design the pedestrian bridge in accordance with the AASHTOLRFD requirements.

STAAD.Pro is a comprehensive and integrated finiteelement analysis and design offering that includes a state-of-the art user interface, visualization capabilities and international design codes. It is capable of analyzing any structure exposed to static, dynamic, wind, earthquake, thermal, and moving loads. STAAD.Pro provides structural analysis and design for any type of project, including towers, buildings, culverts, plants, bridges and stadiums. She concluded thanking Principal, HOD and Faculty members for this opportunity.

## WEBINAR ON “ CONVENTIONAL CONCRETE VS HYBRID CONCRETE



The Department of Civil Engineering and ICI - Students Chapter has organized a webinar on **Conventional concrete Vs. Hybrid Concrete**” on 20/03/2023 Monday, between 03:30 PM to 04:30 PM, through the Zoom Meeting platform. The webinar lecture was given by **Ms.K.Dhivya, Assistant Professor, Department of Civil Engineering, KPR Institute of Engineering and Technology** . Totally 204 participants registered for this event, from that 100 participant’s attended the event with the Google Meet link sent to their respective Mail ID’s.

Ms. Mymitha, final year, presided over the session and offered welcome note before introducing the resource person. Ms.K.Dhivya did a presentation on “Conventional concrete Vs. Hybrid Concrete ”. She briefly explained about the Hybrid concrete construction which is the combination of precast and insitu concrete. She elaborated different materials used according to their strengths and weaknesses to provide simple, buildable and competitive high quality structures that offer consistent performance. Hybrid concrete construction can incorporate all the benefits of precasting, (e.g. form, finish, color, speed, accuracy, pre- stressing, high quality, assured covers and dense and properly cured covercrete) with all the benefits of insitu construction (e.g. economy, flexibility, malleability, continuity and robustness).

The audience gave enthusiastic responses and encouraging comments in their favorable reaction. The expert congratulated the organizers for organizing the live webinar. Mr.B.Nandhagopal, Assistant professor, thanked everyone for attending the webinar.

## WORKSHOP ON “PHOTOSHOP” CONDUCTED BY FGI ACADEMY, SALEM

The Department of Computer Science and Engineering Organized a One day Workshop on **“PHOTOSHOP”** conducted by **FGI Academy, Salem** on 31.03.2023. The function started with a prayer song. Dr.T.Buvaneswari–HOD/CSE welcomed the gathering. Dr.A.Anbuhezian, Principal felicitated the gathering.

The Event was organized for a One day workshop on Adobe Photoshop for the students of the departments at all levels. The workshop was conducted by **S.Jagadeesan (FGI Group of companies)** from 10 am to 5 pm

The hands-on workshop included a thorough explanation of every tool in the Photoshop Toolkit, as well as images, layers and their blending options, various blending modes, various image extensions, layer opacity and fill, channels, layer styles, paths, grouping and ungrouping layers, linking and unlinking layers, manipulating layers by adding new fills and adjustments, and various color channels used in everyday design.



At the program's conclusion, a competition was held to assess the knowledge and newly acquired designing abilities of the participants. The participants were ready to put their knowledge to the test in the interesting field of design after the lecture. They were also able to make banners, posters, and certificates after the workshop.

The Hands on Training Program on “Adobe Photoshop” was attended by more than 50 students Second year , Third Year of Computer Science and Engineering department Mr.T.P.Udhayasankar ,ASP/CSE and Mrs R.Uma Mageswari, AP/CSE arranged and conducted the inauguration function in successful manner. Ms Sridevi of Third year cse delivered the Vote of thanks .Finally the program was ended with a National Anthem.

### ANNUAL DAY CELEBRATION - AEC FEST 2023



Annual day 2023 was celebrated in Annapoorana Engineering College on 13.04.2023. **Mr.N.V.Chandrasekar, Director, TKVTSSMEC Trust** was the Chief Guest. Dr.A.Anbuchejian, Principal presided over the function. Welcome address was delivered by Dr.S.Subhashini, Director Academics. The achievements of faculty members and students were

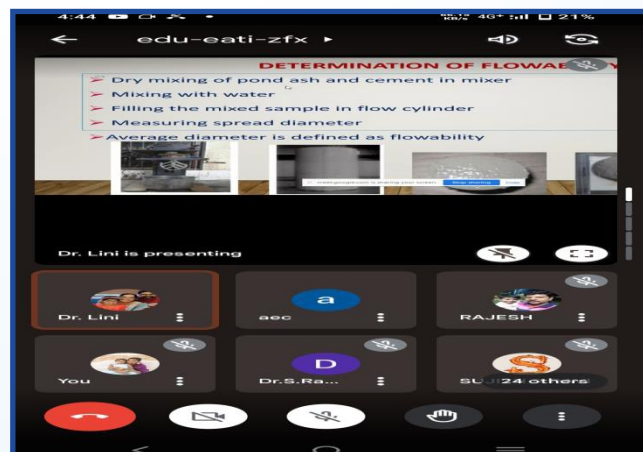


shared by the Principal in the form of Annual Report. In his address, the Chief guest appreciated all the activities carried out in the institution. Dr.S.Sukumar, Director Research felicitated the gathering. An Annual Day celebration is when an organization celebrates another year of its being and appreciates the students' achievements in all curricular, co-curricular and extracurricular activities conducted throughout the year. Awards, medals and Prizes were distributed to students and faculty members under academic and non academic categories.

Academic category of students included Best Outgoing student award and CGPA wise topper award. Non academic category included solo dance, pair dance, group dance, singing, miming, Just a minute, Rangoli, Mehandhi and Craft. Academic category of faculty members were Ph.D completion after 2018 in AEC, Publications in reputed journals, Guideship and NBA appreciation award. Singing, music, rangoli and mehandhi under non academic category.

Cultural programme was organized for the audience. Vote of thanks was proposed by Dr.R.Venketesh, Vice Principal. This event came to an end with National Anthem.

### SEMINAR ON “RECYCLED CONCRETE”

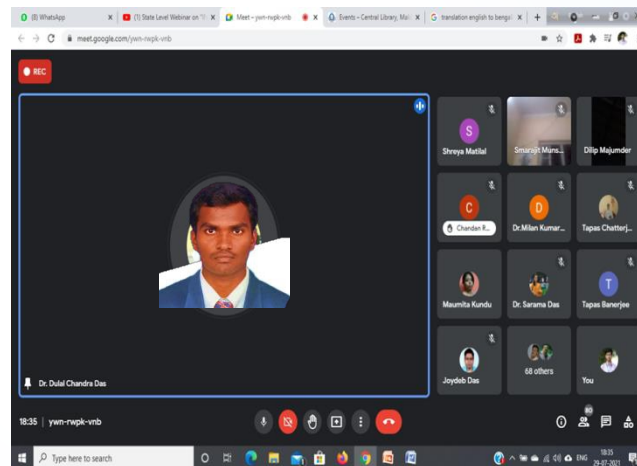


The Department of Civil Engineering and ICI- Students Chapter has organized a Seminar on “**Recycled Concrete**” on 23.04.2023, between 2pm to 4pm through the Google Meet platform. The webinar lecture was given by **Dr. Lini Dev. K, Assistant Professor Department of Civil Engineering, National Institute of Technology, Patna, Bihar**. Totally 120 participants attended this event, from various institutions through, the Google Meet. Dr.R.S.Gandhimathi, Head of the Department, presided over the session and Mrs.N.Silpa, Assistant Professor, welcoming message on the chief guest. Dr. Lini Dev. K gave a talk on “Recycled Concrete”

shared the reason for recycling of concrete. As it is the reduction of waste in order to protect nature against pollution, the increasing shortage of suitable dumping grounds, and to save energy and natural resources. Concrete debris is typically reclaimed as recycled aggregate. She also shared her view on recycling concrete, valuable landfill space and natural resources preserved. This concept is part of the larger sustainable construction philosophy that seeks to minimize waste

generation and encourage recycling in order to prevent adverse long term environmental effects. Dr. S. Dhipan Aravind thanked everyone for attending the webinar

## WEBINAR ON IMPORTANCE OF INTELLECTUAL PROPERTY RIGHTS (IPR)



The Department of Civil Engineering has organized a webinar on “**Importance of Intellectual Property Rights (IPR)**” on 14/05/2023, between 11:00 AM to 12:00 PM, through the Google Meet platform. The webinar lecture was given by **Dr. M.V.Muthukumar, Manager, Factory development, Kovai Bio waste Management (P) Ltd, Coimbatore**. Totally 90 participants attended the event through Google Meet.

Mr. B. Nandhagopal, Assistant Professor, presided over the meeting and welcomed the participants. Dr. M.V.Muthukumar in his presentation, gave a brief explanation about Intellectual property Rights (IPR) and also mentioned the importance of patent rights for the product and how much it is important for developing countries like India. He also covered the importance of copy right, trade mark, and GI tag. After then, there was a question and answer period during which members of the audience addressed inquiries to clear up lingering questions. P.Thirumaran, II year-Civil Engineering gave vote of thanks.

## HANDS ON TRAINING PROGRAM ON “FULL STACK DEVELOPMENT”

Annapoorana Engineering College organized a Two days “**Hands on Training program on Full Stack development**” on 05.04.2023 To 06.05.2023 For CSE Students At Dr.A.Shanmugasundaram Seminar Hall. **Mr.Senthilkumar, Trainer and Fullstack Developer C CUBE Technologies, Erode & Coimbatore** was the Guest speaker.



Dr.T.Buvaneswari, Head CSE welcomed the gathering, Mrs.Sridevi,III-year CSE student introduced the Chief Guest.Dr.A.Anbuchejian, Principal, in his felicitation address, encouraged the students to participate and gain knowledge from fullstack development program. And also motivate them to participate more training program.The Guest talk began with an introduction about the importance of Full stack Development and recent trend in Fullstack and Realtime application about the program.

The speaker explained about the how to work with Full stack in Lab basics and bring the students into the Lab and gave them training . Each students provided the system facility for this training program.This program has conducted by two days. Each days students has done their practical session in Internet Lab. The participants were also given tips on how to work with Full stack Development and raised many questions and speaker also explained each and every question and interact friendly with students. Mrs.G.Suganya AP/CSE proposed the Vote of thanks and Two days training program thus ended.

## FDP ON “UI PATH - ROBOTIC PROCESS AUTOMATION ASSOCIATE



The Department of Computer Science and Engineering in association with ICT Academy organized an Five day Faculty Development Program on “**Ui Path Robotic Process Automation Associate**” from 22.05.2023 - 26.05.2023. Dr.T.Buvaneswari HOD/CSE welcomed the gathering & Dr.A.Anbuchejian, Principal gave the felicitation Address.

Mrs. R.Uma Mageswari Assistant Professor introduced the Chief Guest the chief guest **Mr.G Karthikeyan - Trainer /ICT Academy** Dr.A.Anbuchejian Principal presented a memento



to the Chief Guest. The FDP gave the knowledge about the RPA Process to the faculties how to work in that platform .it helped to work very easily. Robotic Process Automation is the technology that allows anyone today to configure computer software, or a “robot” to emulate and integrate the actions of a human interacting within digital systems to execute a business process.

The FDP was organized with about more than 50 faculty members of various institutions of various departments. Ms Ruthika, III year CSE delivered the Vote of thanks .

### WEBINAR ON "EMERGING TRENDS AND APPLICATIONS OF MICROSYSTEMS"

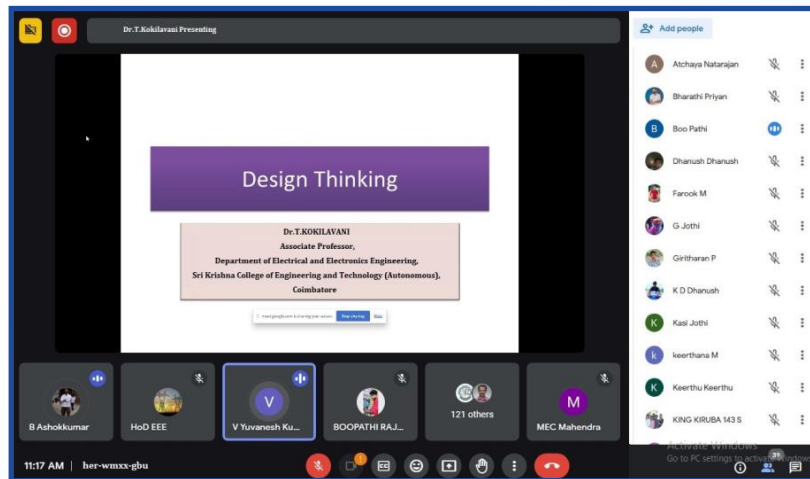
The Department of Electronics and Communication Engineering organized a Webinar On "Emerging Trends And Applications Of Microsystems". Dr. B. Ramesh, HOD/ECE welcomed the resource person. Mrs. J. Jothilakshmi ASP gave a brief introduction about the guest speaker **Dr.Kaustubh Kumar Shukla, Assistant Professor, Dronacharya Group of Institutions, Greater Noida, Delhi**



The goal of the webinar was to offer the students a solid understanding of how Microsystems are used. The introduction of the MEMS technology concept kicked off the conversation. The famous speaker went into great detail about the operation of tiny actuators and micro sensors. He discussed MEMS system block diagrams. Detail each piece in your explanation. Using analytical and numerical techniques, develop modelling and simulation methodologies for the particular issue. using various simulation tools to test microstructure devices through simulation. Participation Certificates were given to all students who attended the event.

## ONE DAY SOFT SKILLS GUEST LECTURE ON “DESIGN THINKING A SOFT SKILL TRAINING”

One Day soft skills guest lecture on “**Design Thinking A soft skill training**” organized by the department of EEE on 18.11.2022 between 9.00a.m.- 4.00p.m. Dr.A.Anbuchejian, Principal, presided over the workshop and welcomed the resource persons and the participants. This guest lecture is being attended by a total of 120 participants.



The speaker explained the basics of design thinking and the findings reveal that students engaged in the design thinking course described a disconnect between design thinking elements of the course and their perceptions of what it meant to be a successful electrical, computer, or software engineer. Although design thinking concepts focused on empathy- building and customer needs, it was often difficult for engineering students to see beyond the technical content of their course and conceptualize elements of design thinking as essential to their successful performance as engineers.

At the end of the guest lecture, Mrs.M.Elamathi presented a vote of thanks and two students gave their feedback, and explained how they were benefited.

## WORKSHOP ON “LED BULB ASSEMBLING ”

One Day Workshop on “**LED BULB ASSEMBLING**” was organized by Electrical and Electronics Engineering association on 03.04.2023 at Basic Electrical and Electronics Engineering Laboratory, Annapoorana Engineering College Dr. R.Venkatesh, Professor presided over the workshop & welcomed the gathering. Dr.I.Alagarasan, Associate Professor/EEE welcomed the guest speaker **Er.J.Gabriel Rajan, J.D.G Power Solutions, Salem.**



The chief guest explained about various aspects about LED and he shows some examples. Also he interact with the students and they discussed about the future of LED. Around 92 students attended this programme. At the end of the technical session, all the students were able to assemble LED bulbs on their own which were later given to them to be used at their homes. The aim and scope of the workshop was to empower students with technical skills needed for industry as well as day-to-day life. It would also enhance the employability of students. This workshop was a major step to sensitize students towards green technologies and make students socially responsible. Mr.G.Vinothbabu Assistant professor from EEE department congratulated all participants for the successful completion of the entire programme.

### SEMINAR ON “HUB - WHEEL FINAL PRODUCTIVITY IMPROVEMENT”

A One Day Technical Seminar on “**HUB - WHEEL FINAL PRODUCTIVITY IMPROVEMENT**” was organized by the department of EEE on 28.04.2023 between 11.00a.m. - 12.30p.m. Dr.A.Anbuchejian, Principal presided over the Technical Seminar with the warm welcome to the resource persons and the participants.



Dr.R.Venkatesh, HOD/EEE welcomed the guest **Mr.J.Chandran Alumni - Annapoorana Engineering College & Technical Manager at Sona Comstar Chennai Pvt Ltd, Chennai** and the participants.

In this Technical Seminar session the resource person was focused about Hub wheel, Hub motor, Identification of problem, Data Analysis about Sealant Machine, clutch type loading, tools



and techniques and schedule for improvement also. Features of hub wheel are Optimized magnets/stator winding, fully sealed motor (>IP65), EMI& EMC optimized motor. The benefits are Quick acceleration and higher grade ability, Avoids the motor failure due to water ingress, Consume lower battery power and so longer mileage, Gives more space for battery in the vehicle, Avoids the transmission box/shaft. Finally he concluded with benefits of the project. It was highly interactive session for participants Mrs.P.Ganga, Assistant Professor/EEE proposed the vote of thanks to the resource people and the participants.

## SEMINAR ON “AN OVERVIEW ABOUT HVACR INDUSTRY & OPPORTUNITIES TO THE UPCOMING GRADUATES”



The Department of Mechanical Engineering Organized a Seminar on “**An Overview Aabout HVACR Industry & Opportunities to the upcoming Graduates** ”on 13.07.2023. The Seminar was conducted by **Mr.Jaganraj Rathinam**, Founder & Principal Consultant, Psychrometric Design Solutions, ISHRAE Chapter President, at Coimbatore Dr.A.Shanmugasundaram Seminar Hall.

The faculty coordinator Mr.M.Govindaraj from AEC introduced the guests and welcomed the gathering. Dr.A.Anbuhezian, Principal, honoured the Chief Guest. The Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE) installation ceremony is about taking oaths and assigning the duties to the members. Membership Strength in Society was 50 members for the year 2022- 23. The purpose of this event is to make the student take an oath about his duties over the college. It is our responsibility to make the best out of our College After Inaugural ceremony, Mr. Jaganraj Rathinam conducted a highly interactive session about the detailed discussions on how to prepare for technical and non-technical interviews. The following topics were covered as Star rating, Latest technology in HVAC, Inverter, Alternative Refrigerant, Safety controls, future prospects, how to reduce cost, how to face interviews.

In this workshop more than 100 students and staff members from various Institutions were participated. Certificates were distributed to all the participants. It helped the students to develop

their skills and subject knowledge. Dr.J.Sivakumar congratulated all the participants and organizers for successful completion of ISHRAE installation ceremony and proposed the vote of thanks.

## SEMINAR ON “INNOVATION AND DESIGN THINKING”



Institute Innovation Council arranged a one day Seminar on “**Innovation and Design Thinking**” on 05.07.2023 from 10.15 A.M. Nearly 45 Students and 10 Faculty members from Annapoorana Engineering College participated in the Seminar. All the participants got various details about Innovation and Design Thinking. All were explained about the steps involved in the Innovation and Design Thinking.

## WORKSHOP ON PROTOTYPE / PROCESS DESIGN AND DEVELOPMENT



Institute Innovation Council and Department of Mechanical Engineering arranged a Workshop on Prototype / Process Design and Development on 23.06.2023. Nearly 40 Students and 10 Faculty participated in the Seminar. **Mr.M. Ranjith Kumar / AP Mechanical Engineering Innovation Ambassador, Annapoorana Engineering College, Salem** was the speaker for the session.

This session proposed a chance to the UG & PG students and Faculty members to spread their skill in the various steps involved in prototype and various processes involved in

design & development. Once the idea is shaped, it is very essential to develop a prototype. These were the points stressed during the seminar. Most people are visual when it comes to understanding a concept or idea. Rapid prototypes services help illustrate the final product, allowing the design team to comprehend the product's function, and target audience.

## SEMINAR ON “PREPAREDNESS FOR INNOVATION AND CAREER”




Institute Innovation Council and Department of Mechanical Engineering arranged **Seminar on “Preparedness for Innovation and Career”** which was held on 02.06.2023. Nearly 40 Students and 15 Faculty members from Annapoorana Engineering College participated in the Seminar. **Mr. J. Boopathi, Innovation Ambassador / IIC, Assistant Professor / Mechanical Engineering, Annapoorana Engineering College** was the speaker for the session.

The importance of innovation manager who is a professional whose tasks include the creation of new products and services in order to expand a company's offering and also provide a solution for consumer issues and demand was explained. Career preparation and work-based learning is experience and instruction that occurs in the community, or brings community partners to the classroom, to help youth develop confidence in making informed choices about their future employment goals. The importance of career preparation was enumerated.



## WORKSHOP ON “PATENT FILING AND DRAFTING AT NATIONAL AND INTERNATIONAL LEVELS”



**ANNAPOORANA ENGINEERING COLLEGE**  
(An Autonomous Institution)

Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai.  
NAAC 'A' Grade Accredited Institution (2018) & ISO 9001:2015 Certified Institution.  
NSI Accredited for Civil, CSE & EEE, ISO 9001:2015 Certified Institution.  
NSI Accredited for Mechanical, Instrumentation, Automobile, Power Plants.

Department of Mechanical and Automobile Engineering  
Organizes

**A workshop on "Patent Filing and Drafting at National and International Levels"**  
on Thursday 27th April 2023  
A MoU Signing Ceremony between Annapoorana Engineering College & NSKD Techno Research and Innovation Solution

**Dr. A. ANBUCHIZIAN**  
Hon'ble Principal  
Annapoorana Engineering College  
Presides

**Resource Person**  
**Mr. N. NAGARAJAN** B.E., M.E., (Ph.D.)  
Technical Director & Lead Patent Analyst  
NSKD Techno Research and Innovation Solution  
(MSME Registered)

**Event Coordinators**  
Dr. J. Sivakumar/HOD/Mechanical  
Dr. M. Shanmugasundaram/Professor/Mechanical  
Dr. R. Shanmugasundaram/ASP/Mechanical  
Prof. C. Arivazhagan/ASP/Automobile

**Event Organizers**  
Mr. P. Sakthivel/ASP/Mechanical  
Mr. S. Senthil/ASP/Mechanical  
Mr. A. Shanmugasundaram/ASP/Automobile

**Registration Fee: Rs.100**  
Date: April 27, 2023 / Workshop: 10.30 am - 1.00 pm  
MoU Ceremony: 2.30 pm - 3.00 pm  
All are welcome

Contact: Dr. J. Sivakumar  
834495285



The Department of Mechanical Engineering and Automobile Engineering Organized Workshop on “**PATENT FILING AND DRAFTING AT NATIONAL AND INTERNATIONAL LEVELS**” on 27.04.2023. The workshop was conducted by **Mr.N.Nagarajan, Director and Patent Analyst, NSKD Techno Research and Innovation Solution** at Dr.A.Shanmugasundaram Seminar Hall. Mr.C.Arivazhagan ASP/Automobile, introduced the guests and welcomed the gathering. After Inaugural ceremony, Mr.N.Nagarajan conducted a highly interactive session on Patent Filing and Drafting at National and International Levels, he highlight the existing problem in the current state of the art or technology and provide a solution, which is new and not obvious to a person skilled in the art.

In this Session, instructor Mr.N.Nagarajan covers key concepts of primary and main objectives of the Indian Patent Act 1970 are to protect and safeguard intellectual products. Patents are an eminent part of Intellectual Property Rights. In this workshop more than 80 students and staff members from various Institutions were participated. Certificates were distributed to all the participants. It helped the students to develop their skills and subject knowledge. Dr.J.Sivakumar congratulated all the participants and organizers for successful completion of workshop and proposed the vote of thanks.

## INNOVATIONS USING COMPOSITE MATERIALS



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NSI Accredited for Mechanical, Instrumentation, Automobile, Power Plants.

**INSTITUTION INNOVATION COUNCIL**  
Department of Mechanical Engineering

will organize a Seminar  
on  
**INNOVATIONS USING COMPOSITE MATERIALS**  
at 10.15 a.m on 25th April 2023 in  
Dr. Shanmuga Sundaram Seminar Hall

**RESOURCE PERSON**  
**Mr. P. SAKTHIVEL**,  
Assistant Professor,  
Innovation Ambassador,  
IIC Innovation Activity Coordinator,  
Department of Mechanical Engineering,  
Annapoorana Engineering College, Salem.

**CONVENOR**  
IIC President  
**Dr. A. ANBUCHIZIAN**  
Principal

Email: ssnajee@gmail.com  
Thanks Everyone

Institute Innovation Council has arranged a one day online seminar on “**Innovations using Composite Materials**” on 25.04.2023. Nearly 45 Students and 10 Faculty members from Annapoorana Engineering College participated in the Seminar. **Mr.P.Sakthivel Assistant Professor / Mechanical Engineering, Annapoorana Engineering College** was the speaker for the session. All the trends in composite materials were discussed. These trends include light weighting nano composites, biomaterials & more. The points discussed were that the composite materials become an integral part of industries, composites offering a combination of strength, lightweight properties, and versatility.

### SEMINAR ON “INNOVATIVE INDUSTRIAL EXPOSURE TO ENGINEERS”



The Department of Mechanical Engineering Organizes One Day Seminar on “**Innovative Industrial Exposure To Engineers (Innovation Day Celebrations)**” on 17.02.2023. The Seminar was conducted by **Dr.R.Duraisamy, Junior Training Officer, Government Industrial Training Institute, Salem** at Dr.A.Shanmugasundaram Seminar Hall, Annapoorana Engineering College.

In this Session, Dr.R.Duraisamy covers key concepts of Innovation Day serves as a platform to celebrate the excellence, innovation, and ingenuity that engineers bring to the world. It acknowledges its ability to solve complex problems, design awe inspiring structures, and pioneer technological advancements that enhance the quality of life for everyone.

In this workshop more than 80 students and staff members from various Institutions were participated. Certificates were distributed to all the participants. It helped the students to develop their skills and subject knowledge. Dr.J.Sivakumar congratulated all the participants and organizers for successful completion of Seminar and proposed the vote of thanks.

## ONE DAY WORKSHOP ON “ZERO TO APP 30 MINS”



The Department of Mechanical Engineering Organized a One day Workshop on “**ZERO TO APP 30 MINS**” on 13.10.2022 at Dr.A.Shanmugasundaram Seminar Hall **Mr.Y.Deepan Chakaravarthy, Managing Director, Boonnet** and **Mr.Balaji Vijayaraghavan, CEO Vallexcel, Founder Ballspark Academy** was the chief guest.

Mr.S.Kannan AP/Mech, introduced the guests and welcomed the gathering. After Inaugural ceremony, Mr.Y.Deepan Chakaravarthy conducted a highly interactive session on Mobile application development is the process of making software for smartphones, tablets and digital assistants, most commonly for the Android and iOS operating systems.

In this Session, instructor Mr.Balaji Vijayaraghavan covers key concepts of the cloud can offer additional advantages beyond performance boosts. Connect your mobile application to powerful cloud services to add features and improve usability.

In this workshop more than 110 students and staff members from various Institutions were participated. Certificates were distributed to all the participants. It helped the students to develop their skills and subject knowledge. Dr.M.Senthil congratulated all the participants and organizers for successful completion of workshop and proposed the vote of thanks.

## FACULTY AWARDS (February 2023-July 2023)

SI. No.	Name of the Recipient of the award	Designation	Title of the Award
1.	Dr.A.Anbuhezian	Principal	Innovative Principal of the year
2.	Mrs.R.S.Gandhimathi	HoD & Associate Professor CIVIL	HOD of the year
3.	Mr.S.Karthick	AP - ECE	Best Faculty AEC 2022
4.	Mrs.M.Prabha	AP - ECE	Best Faculty AEC 2022



**FACULTY JOURNAL PUBLICATIONS(February 2023 - July 2023)**

SI. No.	NAME	TITLE OF THE PAPER	NAME OF THE JOURNAL
<b>DEPARTMENT OF AUTOMOBILE ENGINEERING</b>			
1.	Dr.N. Nedunchezian	Comparative study on multi-cylinderDI diesel engine using hybrid fuel blends (diesel biodiesel ethanol derivative) as fuel	International Journal of Oil, Gas and Coal Technology
<b>DEPARTMENT OF CIVIL ENGINEERING</b>			
2.	Dr.Dhipan Aravind Mr.B.Nandhagopal Mrs.T.Divya Mrs.Silpa.N	A laboratory investigation on performance of ultra high strength concrete by using reactive powder	International Journal of innovative research in technology
3.	Dr.A.Anbuchejian	Investigating the mechanical properties of TMT steel rods for minimizing solid waste and environmental pollution in external ferro cement coated masonry pillars	Journal of Environmental Protection and Ecology (Annexure Journal)
<b>DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING</b>			
4.	Mrs.R.Umamageswari,	Choosing the right sensors to ensure effective transmitter localization	VSRD International Journal of Technical and Non- Technical Research
5.	Mr.T.P.Udhayasankar	Multi authority keyword search using attributes over encrypted cloud data	VSRD International Journal of Technical and Non- Technical Research
6.	Mr .C.Sukumar	New policy - based xss protection mechanism for browsers: jscsp	VSRD International Journal of Technical and Non- Technical Research
7.	Mr .K.Thangadurai	Identifying and forecasting early reviewers for successful product marketing on e-commerce websites	VSRD International Journal of Technical and Non- Technical Research
8.	Mr .T.Pooranachandar	Source: conscious self attention for detecting ip hijack	VSRD International Journal of Technical and Non- Technical Research
<b>DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING</b>			
9.	Mrs.S.Devipriya	IoT Based Sound Pollution Monitoring System- Measure and Track Decibles(dB) using NODEMCU	International Conference on Advanced Computing and Communication Technology (ICACCT'23).
10.	Mrs.M.Abinaya	Health Monitoring and Security System for Home Isolated Patient Based on IoT	International Conference on Advanced Computing and Communication Technology (ICACCT'23).
<b>DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING</b>			
11.	Dr.I.Alagarasan	Smart Power Quality Management in EV Charging Station	NEURO QUANTOLOGY

<b>DEPARTMENT OF MANAGEMENT STUDIES</b>			
12.	Dr.S.Subhashini	Impact of Job Stress on the Performance of the Employees working in Oil Mills in Erode District	International Journal of Progressive Research in Engineering Management and Science (IJPREMS), March 2023
13.	Dr.S.Subhashini	A Study on Service Quality inn Higher Education Institutions with special reference on Western Tamilnadu	Journal for Educators, Teachers and Trainers Web of Science Journal (July 2023)
<b>DEPARTMENT OF MECHANICAL ENGINEERING</b>			
14.	Mr .M. Senthil, Mr .M. Govindaraj, Mr .J. Boopathi, Mr .A. Elamvazuthi , Mr .R. Silambarasan,	Experimental investigation on the impact of Noxemission in CI engine fueled with rapeseed biodiesel with antioxidant additives	Materials Today: Proceedings
15.	Mr .M. Senthil, Mr .S. Kannan, Mr .P. Sakthivel, Mr .M. Ranjithkumar, Mr .R. Silambarasan,	Influence of exhaust gas recirculation on Working characteristics of biodiesel operated in LHR diesel engine	Materials Today: Proceedings
16.	Mr .E. Sivakumar, Mr .R. Silambarasan	Investigation of ceramic coating on operating characteristic of DI CI diesel engine fuelled with safflower methyl ester	Materials Today: Proceedings

#### **LIST OF PATENT DETAILS (February 2023– July 2023)**

<b>Name</b>	<b>Name of the Patent</b>	<b>Country</b>	<b>Status</b>	<b>Month &amp; Year</b>
<b>DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING</b>				
Dr.I.Alagarasan Mrs..P. Ganga	Electricity Demand Forecasting In Industrial And Residential Facilities Using Ensemble Machine Learning	India	Published	24.02.2023
<b>DEPARTMENT OF MANAGEMENT STUDIES</b>				
Dr.S.Subhashini	Analysis of Importance of English Communication For Selecting the Staff in Engineering Colleges	India	Published	17.02.2023

## IN- PLANT TRAINING (February 2023- July 2023)

SI.NO.	DATE	NAME	BATCH	COMPANY NAME
<b>DEPARTMENT OF AUTOMOBILE ENGINEERING</b>				
1.	08.02.23 to 14.02.23	M. Mohammedmubarak ali M. Mohanraj V. Dhamotharakannan T. Kalaiselvan V. Mohankumar V. Prasan A. Srinivasan M. Tamilarasan P. Thirupathi M. Vasanthan M. Vinoth	2021-25	Sakthi Auto Component Limited, Tiruppur
<b>DEPARTMENT OF CIVIL ENGINEERING</b>				
2.	15.06.2023 to 15.07.2023	S. Anbalagan	2019-2023	V V Construction
3.	15.06.2023 to 15.07.2023	N. Arunprakash	2019-2023	A&A Builders & Promoters
4.	30.06.2023 to 15.07.2023	N. Dhinesh	2020-2024	GEO Surveyors, Bangalore
5.	30.06.2023 to 15.07.2023	P. Kalidas D. Narasimhan V. Kavin kumar M. Rajesh M. Senthil kumar	2020-2024	Supergas
6.	30.06.2023 to 15.07.2023	S. Nirmala S. R. Hariharan	2020-2024	Blue Print, Salem
7.	1.07.2023 to 15.07.2023	V. Singaravel	2020-2024	Sri Muruga Constructions, Madurai
8.	3.07.2023 to 22.07.2023	R. Raghul kanna	2020-2024	Sivapuram Builders & Developers Pvt Ltd
9.	3.07.2023 to 31.07.2023	K. Karthikeya S. Moorthy G. Nanthakumar G. Naveen T.M. Gageswaran S. Manibharathi S. Ashok M.Santhosh	2019-2023	Ap Builders
<b>DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING</b>				



10.	20.6..2023- 24.6.2023	K. Siva T.P. Suganthan R. Venkatesan M. Vignesh S. Dhivakar S. Karan S. Pradapkumar A. Ramachandran P. Ramya S. Ramya	2020- 2024 2020- 2024 2020- 2024 2020- 2024 2020- 2024 2020- 2024 2020- 2024 2021- 2025 2021- 2025 2021- 2025	VEI Technologies Chennai
<b>DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING</b>				
11.	08.02.2023 to 13.02.2023	K. Ajith B. Dhanushan A. Hariharan V. Jeevajothi A. Jonipriya S. Kiruthika A. Prasanth B. Somnath M. Sridhar P.Suresh	2021- 2025	Microsun Technology
12.	13.02.2023 to 18.02.2023	K. Arunkumar T. Dharshini T V. Dheepak Jana R. Ganeshwaran K. Logeshwaran N. K. Mohanraj V. M. Ragul B. Sanjay P.Surya Moorthy A. S. Tharani Vimalathithan	2021- 2025	Skray power Systems
13.	27.03.2023 to 31.03.2023	R. Rajalakshmi C. Gokul Raj S. Gopinathan S. P. Mohan G. Rahnjith	2019- 2023	Mas Solar Power Systems Limited
14.	24.04.2023 to 03.05.2023	S. Jeevakumaran M. Karthikeyan R. Ranjani P. Sureshkumar E. Hariprakash	2019- 2023	Sri Maruthi Electronics
15.	02.05.2023 to 09.05.2023	A. Abimani A. Dhinesh Kumar B. Gowtham G. Gowtham M. Jeevith P. Kaviyarasan S. Priyadharsan K. Ranjith A. Santhosh Kumar K. Siva	2020- 2024	Live Wire

## FACULTY ACTIVITIES (FEBRUARY 2023 - JULY 2023)

<b>DEPARTMENT OF CIVIL ENGINEERING</b>					
Sl. No.	DATE	NAME	EVENT	TITLE	COLLEGE NAME
1.	Jan - Feb 2023	Mrs.R.S.Gandhimathi	NPTTEL course & FDP	Electronic waste management Issues and Challenges	IIT, Kharagpur
2.	13.02.2023-17.02.2023	Mr.P.Ayyanar	FDP	Digital Marketing	NSE Academy
3.	03.02.2023	Mr.P.Ayyanar Mrs.T.Divya Mr.R.A.Shivasakthivadivelan	Webinar	Hygro thermo chemical modeling of cementitious material: A multi scale approach	Ramco Institute of Technology, Rajapalayam
4.	06.02.2023-10.02.2023	Mr.P.Ayyanar	STTP	Advances in Civil Engineering	Anjuman college of Engineering & Technology, Nagpur
5.	11.02.2023	Mr.P.Ayyanar	Webinar	Health Monitoring of structures through Instrumentation	Ultratech Cement Ltd.
6.	14.02.2023	Mr.P.Ayyanar	Webinar	Bacterial concrete An innovative material	Qcrete Readymix (India) Pvt ltd
7.	23.02.2023	Mr.P.Ayyanar	Webinar	Sustainable ciyies with ESG impact	Sir M.Visvesvaraya Institute of Technology,Bengaluru
8.	27.02.2023 03.03.2023	Mr.P.Ayyanar	FDP	Environmental Engineering & Sustainability Research Technologies and Challenges	NITTE Meenakshi Institute of Technology, Bengaluru
9.	22.03.2023	Mrs.R.S.Gandhimathi Mrs.Silpa.N Mrs.T.Divya	Webinar	Safety measures in construction machineries	Pavai College of Technology, Namakkal
10.	22.03.2023	Mr.P.Ayyanar	Webinar	Rainwater harvesting: A home building essential today	Utech
11.	23.03.2023	Mrs.R.S.Gandhimathi Mr.B.Nandhagopal	National Conference	10 <sup>th</sup> National conference on Innovation in Civil Engineering	Karpagam Academy of Higher Education
12.	23.03.2023	Mr.P.Ayyanar	FDP	Free/Libre and Open source software for education in NAAC accreditation and NIRF ranking	Hindusthan College of Arts & Science
13.	24.03.2023	Dr.S.Dhipan Aravind	Indo Korean Seminar series	MASW land streamer for geohazard assessments	Ulsan National Institute of Science and Technology

14.	25.03.2023	Mrs.R.S.Gandhimathi Mrs.Silpa.N Mrs.T.Divya Mr.P.Ayyanar Mr.R.A.Shivasakthivadivelan	Webinar	Sustainable development goals and climate changes	Pavai College of Technology, Namakkal
15.	28.03.2023	Mr.P.Ayyanar	Webinar	Construction issues in precast structural systems	Qcrete Readymix (India) Pvt Ltd
16.	01.04.2023	Mrs.R.S.Gandhimathi Mr.R.A.Shivasakthivadivelan Mrs.Silpa.N Mrs.T.Divya	Webinar	Safety in demolition works	Pavai College of Technology, Namakkal
17.	01.04.2023	Mr.P.Ayyanar	Webinar	Innovative Precasting Techniques in Signature bridge, Delhi	Ultratech Cement Ltd.
18.	05.04.2023 & 06.04.2023	Mr.P.Ayyanar	International Conference	International Conference on Sustainable Design, Materials and Manufacturing in Engineering	Dr.N.G.P. Institute of Technology
19.	15.04.2023	Mr.P.Ayyanar	Webinar	High Strength fiber reinforced concrete Its behavior and application	Ultratech Cement Ltd.
20.	22.04.2023	Mrs.R.S.Gandhimathi	Webinar	Health Monitoring of Concrete Structures	Ultratech Cement Ltd.
21.	17.06.2023	Mrs.R.S.Gandhimathi Mrs.T.Divya	Webinar	Seismic Retrofitting of Reinforced Concrete Buildings	Utech
22.	26.06.2023 01.07.2023	Mr.P.Ayyanar	FDP	Integrating Autodesk fusion- 360 in Engineering subjects	Lendi Institute of Engineering & Technology
23.	02.07.2023	Mr.P.Ayyanar	Online quiz	Basics of Research	Ashirwad Education Center, Ahmedabad
24.	19.07.2023	Mrs.R.S.Gandhimathi	Webinar	Green Homes: Sustainable living for a better future	Utech
25.	14.07.2023	Dr.S.Dhipan Aravind Mrs.T.Divya Mrs.R.S.Gandhimathi Dr. R.A.Shivasakthivadivelan Mr.P.Ayyanar	Webinar	A Overview of Tenders & its process	Adithya Institute of Technology
26.	10.07.2023 15.07.2023	Mr.P.Ayyanar	Online FDP	Review of Recent Research in Civil Engineering	Kallam Haranadhareddy Institute of Technology
27.	15.07.2023	Mrs.R.S.Gandhimathi	Resource person	Session on innovation with start up ecosystem enablers from the region level	Salem College of Engineering & Technology
28.	15.07.2023	Mr.P.Ayyanar	Webinar	Economical efficient	Ultratech Cement Ltd.



				robust & long lasting modern road technology-Thin white topping	
<b>DEPARTMENT OF COMPUTER SCIENCE ENGINEERING</b>					
29.	06.02.23 To 10.02.23	Mr.S.jayaprakash	FDP	FDP on Internet of Things	Knowledge Institute Of Technology
30.	07.02.23	Mr.C.Sukumar Mrs.M.Saranya	WORKSH OP	Workshop on Problem Solving and Ideation	Annapoorana Engg.College
31.	13.02.23 To 17.02.23	Mr.B.Gunasekar	FDP	FDP on Blockchain Course	Knowledge Institute Of Technology
32.	20.2.23 To 23.2.23	Mr.V.Murugan	Webinar	Webinar Series	VIT Chennai
33.	20.02.23 To 25.02.23	Mrs.G.Suganya	FDP	Applications of Computer Vision using Deep Learning	Seshadriroo Gudlavallere Engineering College
34.	13.03.23 To 18.03.23	Dr.T.Buvaneswari	WORKSH OP	Effective Filling of NACC AQAR-Streamlining Institutional Performance	IQAC, Vardhaman College of Engineering, Hyderabad
35.	04.04.23 To 09.04.23	Mr.T.P.Udhayasankar Mr.M.Mailsamy Mr.K.Thangadurai Mr.C.Sukumar Mrs.R.Uma Mageswari Mr.V.Murugan Mrs.G.Suganya	FDP	FDP on Latex Migrate to Latex from Word	Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering &Technology
36.	17.04.23 To 21.04.23	Mrs.M.Saranya Mrs.G.Suganya	FDP	FDP On Cybersecurity	KS Rangasamy College Of Technology, (Autonomous)
37.	17.04.23 To 21.04.23	Mr.T.Poornachandar	FDP	FDP on Drones Technological Advances and Innovation	PSG Polytechnic college Coimbatore
38.	19.04.2023	Dr.T.Buvaneshwari	Conference	Efficient Authentication System For Transaction Through Face Recognition Approach	Mahendra College Of Engineering, Salem
39.		Dr.O.Saravanan	Conference	Secured Evoting System Using Two Factor Biometric Authentication	Mahendra College Of Engineering, Salem
40.		Mr.T.P.Udayasankar	Conference	Multi-Authority Keyword Search Using Attributes Over Encrypted Cloud Data	Mahendra College Of Engineering, Salem
41.		Mr.K.Thangadurai	Conference	Identifying and Forecasting Early	Mahendra College Of Engineering, Salem

				Reviewers for Successful Product Marketing On E- Commerce Websites	
42.		Mr.M.Mailsamy	Conference	Secure Data Group Sharing and Dissemination On The Public Cloud With Attribute And Time Conditions	Mahendra College Of Engineering, Salem
43.		Mr.C.Sukumar	Conference	New Policy Based Xss Protection Mechanism for Browsers: Jscsp	Mahendra College Of Engineering, Salem
44.		Mrs.R.Uma Mageswari	Conference	Choosing The Right Sensors To Ensure Effective Transmitter Localization	Mahendra College Of Engineering, Salem
45.		Mr.S.Jayaprakash	Conference	Secure Data Sharing Using Cloud Through Block Chain For Iot Environment	Mahendra College Of Engineering, Salem
46.		Mrs.Saranya	Conference	Efficient Traffic Light Detection For Self Driving Vehicle	Mahendra College Of Engineering, Salem
47.		Mr.T.Poornachandar	Conference	Source Conscious Self Attention For Detecting Ip Hijack	Mahendra College Of Engineering, Salem
48.	02.05.23 To 06.05.23	Mr.T.Poornachandar	Workshop	Workshop on Application of machine learning and AI in research and innovations	Regional College for Education Research & Technology, Jaipur.
49.	13.05.2023	Mr.T.Poornachandar	Conference	Customer Care Registry Using Cloud Application Development	Narasus Sarathy Institute of Technology
50.	22.05.23 To 26.05.23	Dr.T.Buvaneswari Mr.K.Thangadurai Mr.C.Sukumar Mrs.R.Uma Mageswari	FDP	FDP on UI Path Robotic Process Automation Associate	Annapoorana Engg.College
51.	06.02.23 To 10.02.23	Mr.T.Poornachandar	FDP	FDP on Internet of Things	Knowledge Institute Of Technology

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

52.	JAN-APR 2023	Mrs.M.Abinaya	NPTEL	NBA Accreditation And Teaching And Learning In Engineering (NATE)	IIT Kharagpur
53.	JAN-APR 2023	Mrs.M.Abinaya	FDP	NBA Accreditation And Teaching And Learning In Engineering (NATE)	IIT Kharagpur
54.	JAN-APR	Mr.R.Arul Arumugam	FDP	NBA Accreditation	IIT Kharagpur

	2023			And Teaching And Learning In Engineering (NATE)	
55.	JAN-APR 2023	Mr.R.Arul Arumugam	NPTEL	NBA Accreditation And Teaching And Learning In Engineering (NATE)	IIT Kharagpur
56.	JAN-APR 2023	Mrs.S.Devipriya	FDP	NBA Accreditation And Teaching And Learning In Engineering (NATE)	IIT Kharagpur
57.	JAN-APR 2023	Mrs.S.Devipriya	NPTEL	NBA Accreditation And Teaching And Learning In Engineering (NATE)	IIT Kharagpur
58.	JAN-APR 2023	Mrs.M.Suganya	FDP	Introduction to internet of things	IIT Kharagpur
59.	JAN-APR 2023	Mrs.M.Suganya	NPTEL	Introduction to internet of things	IIT Kharagpur
60.	02.02.2023 to 17.02.2023	Mrs.M.Suganya	Webinar	Certificate Course On Digital Teaching Techniques Under R Systems Women Educators Empowerment Program	ICT Academy
61.	22.02.2023 to 24.02.2023	Mr.M.Jestin Joseph	International Conference	Comprehensive Experimental Evaluation Of Open Source Deep Learning Framework For Single Image Deraining Applications	Velalar College Of Engineering & Technology
62.	03.03.2023	Mrs.M.Suganya	Webinar	Emerging Trends And Applications Of Microsystems	Annapoorana Engineering college
63.	03.03.2023	Mr.R.Arul Arumugam	FDP	Introduction to networks	Cisco Networking Academy
64.	07.03.2023	Mrs.M.Suganya	Webinar	Design Thinking And Microprocessors	Annapoorana Engineering college
65.	31.03.2023 to 09.04.2023	Mr.M.Jestin Joseph	FDP	Emerging Trends In Artificial Intelligent Systems	Jain Faculty Of Engineering And Technology
66.	17.04.2023 to 21.04.2023	Mr.M.Jestin Joseph	FDP	Cybersecurity	Annapoorana Engineering college
67.	28.04.2023 & 29.04.2023	Mrs.M.Abinaya	International Conference	Health Monitoring And Security System For Home Isolated Patient Based On IOT	Fransis Xavier Engineering College
68.	28.04.2023 & 29.04.2023	Mrs.S.Devipriya	International Conference	IOT Based Sound Pollution Monitoring System Measure And Track Decibels (Db) Using NODEMCU	Fransis Xavier Engineering College



69.	22.05.2023 to 26.05.2023	Mr.R.Arul Arumugam Mr.M.Jestin Joseph Mrs.J.Jothilakshmi	FDP	Robotic process Automation Associate (UiPath)	ICT Academy
70.	19.06.2023 to 23.06.2023	Mrs.M.Abinaya Mr.R.Arul Arumugam Mrs.S.Devipriya Mrs.M.Suganya	Technical workshop	Analog and Mixed signal VLSI design &prototyping using open source EDA tools	Erode Sengunthar Engineering College
71.	07.07.2023 to 18.07.2023	Mrs.S.Devipriya Mr.M.Jestin Joseph	FDP	Recent Trends In Multidisciplinary Research	SRM Institute of Science and Technology
72.	27.07.2023	Dr.B.Ramesh	Webinar	Robot Applications in Warehouse	The Institution of Electronics and Telecommunication Engineers Chennai Centre
73.	19.07.2023 to 14.08.2023	Mr.R.Arul Arumugam Mrs.S.Devipriya Mr.M.Jestin Joseph Mrs.J.Jothilakshmi Mrs.G.Kavitha Dr.B.Ramesh Mrs.M.Suganya	FDP	Technology Based Entrepreneurship Development Programme on Internet of Things	Kalasalingam Academy Of Research And Education

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

74.	17.02.2023	Mrs.T.Muthamil, Mrs. A. Sowmiya	Seminar	Energy Harvesting & Sensors-IEHS 2023	J.K.K.Nataraja College of Arts & Science, Kumarapalayam
76.	17.03.2023	Dr.I.Alagarasan	Workshop	Design-The Future of Engineering	Sona College of Technology
77.	27.03.2023 to 01.04.2023	Mrs.T.Muthamil, Mr. G. Vinothbabu, Mrs. A. Sowmiya	FDP	Recent Trends and Innovations in High Voltage Engineering	K.S.Rangasamy college of technology
78.	31.03.2023	Dr.R.Venkatesh, Dr.I.Alagarasan, Dr. S. M. Kamali, Mrs.T.Muthamil, Mr. S. Senthilkumar, Mr.L.Gnanaprakash	International Conference	Recent Advancements in Engineering and Technology ICRAET'23	M.KUMARASAMY COLLEGE OF ENGINEERING

		Mrs. M. PRABHA, Mr..P.GANGA, Mr. G. VINOTHBABU, Mr.M.SIVAANANTH, Mrs. A. SOWMIYA.			
79.	22.05.2023 to 26.05.2023	Mrs.T.MUTHAMIL, Mr.. P. GANGA, Mr.M.SIVAANANTH, Mrs.A.SOWMIYA.	FDP	Robotic Process Automation Associate (UiPath)	ICT Academy, Annapoorana Engineering College,

**DEPARTMENT OF MANAGEMENT STUDIES**

80.	5.04.2023. & 6.04.2023.	Dr.S.Subhashini	International Conference on G20 Moving Towards Sustainable and Inclusive Growth	Customer Satisfaction on Service Quality towards Micro Financial Institutions with Special reference to Salem District	Vivekanandha College of Arts & Science for Women
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**DEPARTMENT OF MECHANICAL ENGINEERING**

81.	01.02.2023 to 08.02.2023	S. Kannan E.Hariharan P.Sakthivel M.Govindaraj M.Ranjithkumar	National Level webinar	Revised Assessment & Accreditation of NAAC-Changes & Challenges	Sivananda Sarma Memorial R.V. College, Bengaluru
82.	01.02.2023 to 09.02.2023	M.Govindaraj Dr.M.Senthil Dr.R.Silambarasan A.Elamvazhuthi	FDP	Outcome Based Education	PPG Institute Of Technology, Coimbatore
83.	08.02.2023	S. Kannan E.Hariharan P.Sakthivel M.Govindaraj M.Ranjithkumar	FDP	Data Analysis Using SPSS	Impact Institute Of Management Studies (IIMS) , Bengaluru

84.	13.02.2023 to 17.02.2023	M.P.Mohanraj M.Ranjithkumar	FDP	Product Design and Manufacturing 3D Surface Modeling	PSGITECH, Coimbatore
85.	23.03.2023 to 24.03.2023	Dr.J.Sivakumar M.Govindaraj	International conference	Advance materials, manufacturing and Industrial engineering (AMMIE -2023)	Vellore Institute of Technology/ Chennai
86.	12.04.2023 to 13.04.2023	M.Govindaraj Dr.M.Senthil Dr.R.Silambarasan Dr.M. Vairavel J.Boopathi	Workshop	Flow in Microchannel	Imperial College of Engineering and Research, Wagholi, Pune,
87.	08.05.2023 to 13.05.2023.	Dr.J.Sivakumar	FDP	Recent Advancements and Activities in the Manufacturing of composite materials	Karpagam University Coimbatore
88.	15.05.2023 to 19.05.2023	M.Ranjithkumar	FDP	Advanced Manufacturing:Latest Trends and Techniques	Sandip University, Madhubani

**DEPARTMENT OF SCIENCE AND HUMANITIES**

89.	07.02.2023	Dr. R.Karthikeyan-HOD of Maths	Webinar	Problem solving and ideation workshop	Annapoorana College of Engineering, Salem
90.	July 2023	Dr. S. Muthulinagam HOD of Chemistry	National Conference	ICSSR Sponsored one day National Conference on India in Transit to Decorbonization a Future Perspective	

**STUDENTS ACHIEVEMENT: (SYMPOSIUM,WORKSHOP,PAPER PRESENTATION  
AND COMPETITION)**

S.N O	DATE	NAME	BATCH	EVENT	TITLE	COLLEGE/ INSTITUTI ON NAME
<b>DEPARTMENT OF CIVIL ENGINEERING</b>						
1.	23.03.2023	MYMITHA J	2019- 2023	National Conference	A Laboratory scale study on synthetic grey water treatment in constructed wetland with sugarcane	Karpagam Academy of Higher Education, Coimbatore
<b>DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING</b>						
2.	07.02.23	Aasai Priya G Abinaya S Anuradha V Gowtham G, Hariharan M,	2022- 2026	Workshop	Problem Solving and Ideation	Annapoorana Engg.College



		Muthu B, Pranathi E, Vigneshwaran J				
3.	13.03.23 to 18.03.23	Ruthradevi C, Sanjaykumar S, Santhosh S, Sham Praison T, Soniya K, Srimathi M, Subalatha S, Subash G, Varshini S K, Veeramuthu S, Vimalya P, Yogaraj V	2021 2025	Workshop	Effective Filling of NACC AQAR Streamlining Institutional Performance	Vardhaman College of Engineering, Hyderabad
4.	25.03.23	Alex Harish Krishnan Hari Karthick Magesh Boopthy Malathy MohanaPriya Nithin Sangeeth Kumar Prakash Sridevi Subash Chandra Bose Swetha Tamil Selvan Thulasi Mani Ruban Ruthika Vasanth	2020 2024	Workshop	Recent and Future Trends in Technology	ICT, Chennai Trade Center, Nung ampakkam
5.	19.04.23	Jayamani M, Saranya R, Gowtham J	2019- 2023	Paper Presentation	Identifying And Forecasting Early Reviewers For Successful Product Marketing On E-Commerce Websites	Mahendra College Of Engineering, Salem
6.	19.04.23	Manju B, Harish T, Pandiyaraja.	2019- 2023	Paper Presentation	Secure Data Group Sharing And Dissemination On The Public Cloud With Attribute And Time Conditions	Mahendra College Of Engineering, Salem
7.	19.04.23	Tamizharasan M, Bavisha G, Sanmuga Priya S	2019- 2023	Paper Presentation	New Policy- Based Xss Protection Mechanism For Browsers: Jscsp	Mahendra College Of Engineering, Salem
8.	19.04.23	C. Manikandan, C. Poongodi, P. Sri Janani	2019- 2023	Paper Presentation	Choosing The Right Sensors To Ensure Effective Transmitter Localization	Mahendra College Of Engineering, Salem

9.	19.04.23	S. Saranya Devi, T. Thenmozhi, R. Venkatesh	2019- 2023	Paper Presentation	Secure Data Sharing Using Cloud Through Block Chain For Iot Environment	Mahendra College Of Engineering, Salem
10.	19.04.23	P. Akila, M. Menaka, V. Vijayakumar	2019- 2023	Paper Presentation	Efficient Traffic Signs Recognition Based on CNN Model for Self Driving Cars	Mahendra College Of Engineering, Salem
11.	19.04.23	D. Somasundaram, M.Umamaheswari, R. Vanith	2019- 2023	Paper Presentation	Source Conscious Self Attention For Detecting Ip Hijack	Mahendra College Of Engineering, Salem
12.	19.04.23	T. Anitha, P. Karthick, M. Ramani	2019- 2023	Paper Presentation	Efficient Authentication System For Transaction Through Face Recognition Approach	Mahendra College Of Engineering, Salem
13.	19.04.23	Anusiya M, Kalaivani S, Yogavignesh V	2019- 2023	Paper Presentation	Secured E-Voting System Using Two Factor Biometric Authentication	Mahendra College Of Engineering, Salem
14.	19.04.23	M. Kiruba, K. Mohana Priya, D. Vasanth	2019- 2023	Paper Presentation	Multi-Authority Keyword Search Using Attributes Over Encrypted Cloud Data	Mahendra College Of Engineering, Salem
15.	02.05.23 To 06.05.23	Ruban.M, Ruthika.P, Shalini.M, Shamugavel.M, Subalakshmi.S, Sudha.P, Sulochana.M, Swetha.D, Tamilselvan.P, Vasanth.R, Velmurugan.S, Venkatesan.L, Alex S	2020- 2024	Workshop	Workshop on Application of machine learning and AI in research and innovations	Regional College for Education Research &Technology , Jaipur.
16.	13.05.23	Aarthi.M Devadharshini R Prakash.S Ruban.M	2020- 2024	Paper Presentation	Customer care registry using cloud application development	Narasu's Sarathy Institute of Technology, Salem

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

1.	30.03.2023 & 31.03.2023	Naveen R	2021- 2025	National level techno cultural fest 2023	Circuit debugging	Rathinam technical campus
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2.	10.06.2023	Vijay A	2020-2024	Introduction to networks	Short term course	Annapoorana engineering college
<b>DEPARTMENT OF SCIENCE AND HUMANITIES</b>						
1.	Jul - 2023	Sanjai S.	Ist year C.SE	Silambu	National level– Silambu	VSA College, Salem

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## **ANNAPOORANA ENGINEERING COLLEGE**

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