

# 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 - 1





## 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**

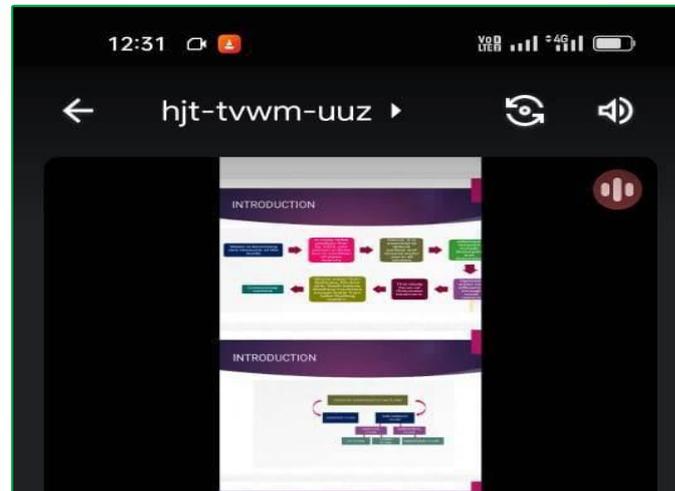
- Recognition through quality Education, Research, Consultancy and innovation in education.
- Provide students with the basic and advanced engineering knowledge, interdisciplinary problem solving skills, societal and business issues and self - confidence to excel in their professions and be the in the 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

## WEBINAR ON “AWARENESS PROGRAMME ON PROFESSIONAL OPPORTUNITIES IN CONSTRUCTION INDUSTRY ”



The Department of Civil Engineering and CASTILO (Civil Engineering Association) conducted a seminar on “**Awareness Session on Professional Opportunities in Construction Industry**” on 22.10.2022. The main aim of this webinar is to make the awareness about safety in Civil Engineering field and opportunities. **Er. Thamaraiselvan.R, L&T Constructions, Gorakhpur** given a brief presentation on Awareness Session on Professional Opportunities in Construction Industry its applications in real life incidents: basic life saving procedures and risk assessment and mitigation of accidents or health issues in construction worksite.

## ENGINEER'S DAY CELEBRATION



Engineer's day was celebrated in Annapoorana Engineering College on 15th September 2022 in Dr.A.Shanmugasundaram seminar.hall **Mr. G. K. NandhaKumar, Managing Partner Skilift Consulting** was the Resource person. Ms.H.Fathima, final year ECE welcomed the gathering. Then our beloved Principal Dr. A. Anbuhezian wished the students and faculties and explained the importance of various Engineering domains. The guest speaker was introduced by Ms.Subalatha, Second year ECE.





**Consultancy & Testing Associates, from Bangaluru.** Totally 75 students are attended the event with the Google Meet link Mr.T.M.Mageshwaran, Third year, presided over the session with welcome note and introduced the resource person. Er.T.Shashindar Lingam did a presentation on “Introduction to Waterproofing Systems”.

He briefly explained the concept of waterproofing system, Concrete is one of the most utilized construction materials in the world. However, to realize its maximum potential lifespan, steps must be taken to prevent premature deterioration. Waterproofing of new as well as existing concrete structures should take into consideration the type and severity of problem expected and unexpected as well as the appropriate treatment to be rendered-Integral & Non integral. New age Waterproofing systems, with the incorporation of innovative materials and technologies, have become more efficient, effective, and substantial, possessing properties that can reduce maintenance and improve sustainability. For all the above to happen, the imminent need of knowledge about the recent advancements in the field waterproofing systems is vital. Totally 85 students are actively present this session and finally to discuss about quires of the students.

## TECHNICAL WORKSHOP ON “CONSTRUCTION PRACTICE AT SITE”

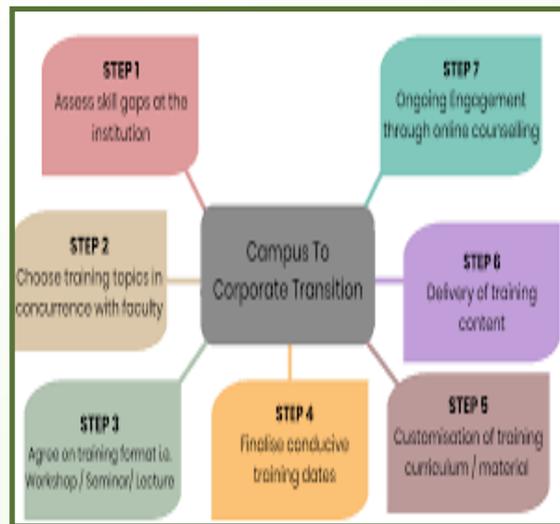


A technical talk on “**Construction Practice at site**” was organized in the department of Civil Engineering in association with CEA and ICI on 05.08.2022 **Er. S.Prabhakaran, Managing Director, SPK Designs & Constructions** was the guest speaker. He shared a presentation about his site work which included all construction practices. The standard and planned practices followed in the construction industry that will guarantee optimal outcome and profits are regarded as best practices in construction. These practices can be a policy, procedure or a complete system implemented at a given period of time. The practices best for one project won't be very much helpful for another project. But in general, there are common practices that when done with complete excellence will boost any construction project. Looking

back, over a decade, the construction activities have changed, new technologies came up and the way of project procurement and management too changed.

Good construction practices and technique should be followed to prevent occurrence of structural damages that may occur during occupancy and with age of the structure. When structure is being constructed it has to go through the various stages and it equally important that to make sure that the structure being constructed will not experience damage under any general circumstances. Development of crack in is the first sign of damage and this not only reduce its strength but will also harm structure and to the extent it may collapse. So it is very important for the civil engineers to ensure good construction practices are followed at every stage of construction to prevent structural damage and failure of the structure

## SEMINAR ON “CAMPUS TO CORPORATE”



**A one day seminar on ‘Campus to Corporate’** was organized by the Department of Computer Science and Engineering on 10.01.2023 at Dr.A.Shanmugasundaram Seminar Hall in Annapoorana Engineering College, Salem. Guest speaker was **Mr.Rajkuma Kalaimani** Technical lead/ Infinite Computer Solutions (For the client VERIZON), Chennai was the resource person for the program.

This program educated the participants into an interactive environment where they explained how to work in the corporate. Campus to Corporate Training is a soft skills program that helps students transition smoothly into corporate life.

Campus to Corporate seminar enhances the confidence of fresher's and offers tools like goal setting, team work and stress management training. Campus to Corporate seminar was created with the goal of empowering fresh graduates with tools for refining their personal and professional excellence.

The resource person Mr.Rajkumar Kalaimani gave tips to prepare students for Campus to Corporate Jobs transition. His speech helped students to improve their communication (Spoken, Written and Presentation Skills) and also to build confidence, develop self-esteem and to bring positive changes in the attitude and behavior of the participants. He also shared the expectations of corporate and impart career specific practical inputs. Mr.Rajkumar Kalaimani gave inputs into writing their resumes to facing interview to learning corporate etiquette and to resolve personal development issues through detailed interaction and question answers sessions.

### ONE DAY “ASSOCIATION INAUGURAL FUNCTION OF DEPARTMENT OF CSE”



In Annapoorana Engineering College, Periyaseeragapadi, Salem the Department of Computer Science and Engineering inaugurated “**Association of Computer Science Engineers**” and organized a “Hands on Workshop on Network Security” on 21.10.2022. The function started with a prayer song. Dr.T.Buvaneswari, HOD/CSE welcomed the gathering. Dr.A.Anbuchejian, Principal gave the felicitation Address and released the association logo.

Principal insisted the importance of Innovations and student participation in various Technical events and skill development in Engineering. Mr T.P.Udhayasankar Professor of Department of Computer science and Engineering announced the association executive members and the Association plans. Ms Janani of Final year cse introduced the Chief Guest : **Mr.P.K.Amarnath, Operation head and Consultant ,Corporate Trainer (CISCO TRAINER)**. Dr.A. Anbuhezian , Principal presented a memento as a token of love and affection to our Chief Guest. The Chief guest gave a brief explanation about the employment opportunities in the field of Computer Science and current trends in IT Industries.

The Association encourages students to participate in co-curricular and extracurricular activities, as well as keeping students and faculty informed about current events and trends, as well as their ability to function as effective members of the profession and society with a grasp of the global implications of their work. It is made up of students from the Department of Computer Science and Engineering. The association provides sufficient opportunities for students to strengthen their presentation abilities, organizational skills, and leadership traits, allowing students to develop their whole personalities.

The hands on training Program on “Networking and Security” was attended by more than 120 students Second year , Third and Final Year of Computer Science and Engineering department. The Program was well organized by our CSE staff organizers. Mr.K.Thangadurai,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.

### INDUCTION PROGRAM ON “RECENT TRENDS IN EMINENT ENGINEERS ”



One day Induction Program on “**Recent Trends in Eminent Engineers**” was conducted on 04.11.2022, Friday, in Dr.A.Shanmugasundaram Seminar Hall. The Resource Person was

greeted by Professor R. Arul Arumugam, AP/ECE at Annapoorana Engineering College, who also gave a brief introduction about Guest speaker's credentials.

Resource Person Mr. M. Sasikumar discussed about importance of Extra-Curricular and CoCurricular activities in engineering field. He gave points to effective learning of Engineering. In his speech he mentioned significance of higher studies. After that he encouraged the idea to become an Entrepreneur. Then he listed the job opportunities and provided steps to achieve it.

Vote of gratitude from Mrs. S. Devipriya, AP/ECE, to the resource person, the department head for inspiring us to plan a beautiful session, and all the attendees for their enthusiastic involvement. Nearly 200 students from various department were attended the session and enrich their knowledge.

### INDUCTION PROGRAM ON "BURN TO RISE FROM ASHES"



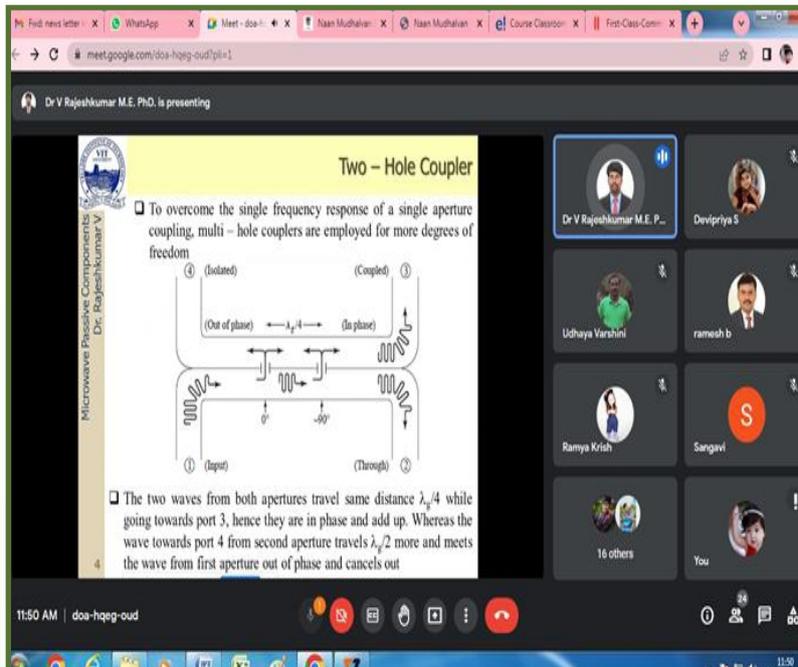
A one day Induction Program on "**Burn to Rise from Ashes**" was conducted on 09.11.2022, Wednesday at, Dr. A. Shanmugasundaram Seminar Hall. The Resource Person was greeted by Dr. B. Ramesh, HOD/ECE at Annapoorana Engineering College, who also gave a brief introduction about Guest speaker's credentials.

Resource Person Mr. S. Karthikeyan compared eight traits of eagles and effective leaders with the topics of Faithfulness, Focus, Sharp Vision, Selective, Courageous, Nurturing, Resilience, tenacious, Never Eat Dead Meat. Then he motivated our students to become good leaders by following habits of eagles. In his speech he highlighted the term phoenix which rising from the ashes is symbolic of rebirth, hope, renewal, progress, end of oppression, and eternity.

Vote of gratitude from Mrs. M. Suganya, AP/ECE, to the resource person, the department head for inspiring us to plan a beautiful session, and all the attendees for their

enthusiastic involvement. Nearly 200 students from various department were attended the session and enrich their knowledge.

## GUEST LECTURE ON “MICROWAVE DEVICES AND DESIGN”

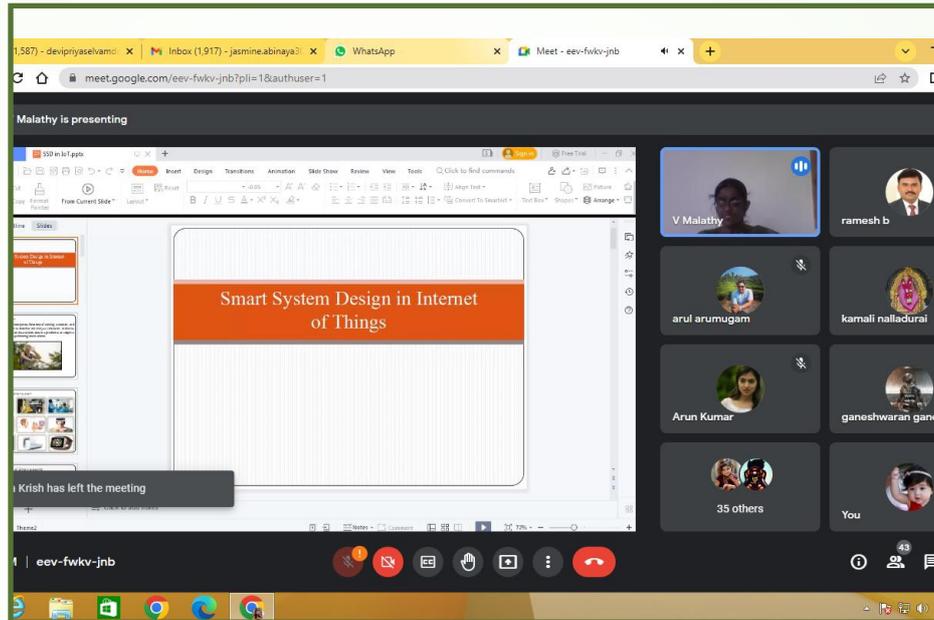


A Guest Lecture on “**Microwave Devices and Design**” organized by the Department of Electronics and Communication Engineering on 03.11.2022 between 11.00 a.m to 12.30p.m. through Google meet. The Resource Person was greeted by Dr.B.Ramesh, HOD/ECE at Annapoorana Engineering College, who also gave a brief introduction about Guest speaker’s credentials.

Resource Person Dr.V.Rajeshkumar briefly explained Parameters, detailed Active and Passive microwave components. He also gave the detailed information about working of circulator. In his speech he mentioned Resonator and Attenuator. After that the speaker differentiated the working of Reflex Klystron and Cavity Klystron. Finally he elaborated the working of Magnetron and mentioned its applications.

Vote of gratitude from Mrs. Mrs.M.Abinaya, AP/ECE, to the resource person, the department head for inspiring us to plan a beautiful session, and all the attendees for their enthusiastic involvement. Nearly 40 students from various department were attended the session and enrich their knowledge in the field of Microwave Engineering.

## WEBINAR ON “SMART SYSTEMS DESIGN IN IOT”



One day Webinar on “**Smart Systems Design in IoT**” organized by the Department of Electronics and Communication Engineering on 10.10.2022 between 2.00 p.m. to 3.00 p.m. through Google meet. The resource person was greeted by Dr. B. Ramesh, HOD/ECE at Annapoorana Engineering College, who also gave a brief introduction to her credentials.

Resource Person Dr.V.Malathy briefly explained the basic IoT and interfacing, detailed explanations about the IDE Stimualtion and its tools. She has shown the steps involved in the in IDE platform and automation oriented concept, Arduino UNO Specification, Digital Specifications, Examples related to IOT interfacing. In her interactive session she had given clarification to the participants for their various doubts.

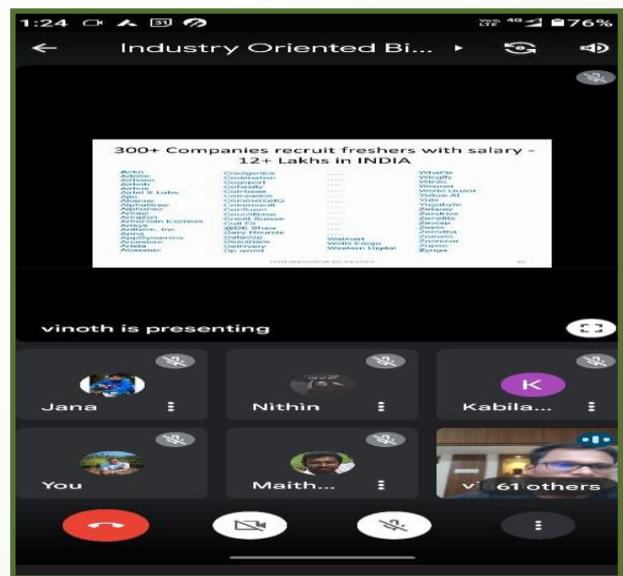
Vote of gratitude from Mrs. M. Suganya, AP/ECE, to the resource person, the department head for inspiring us to plan a beautiful session, and all the attendees for their enthusiastic involvement. Nearly 50 students from various department were attended the session and enrich their knowledge in the field of IoT design

## WEBINAR ON “INDUSTRY ORIENTED BIG DATA TOOLS AND TECHNOLOGIES”

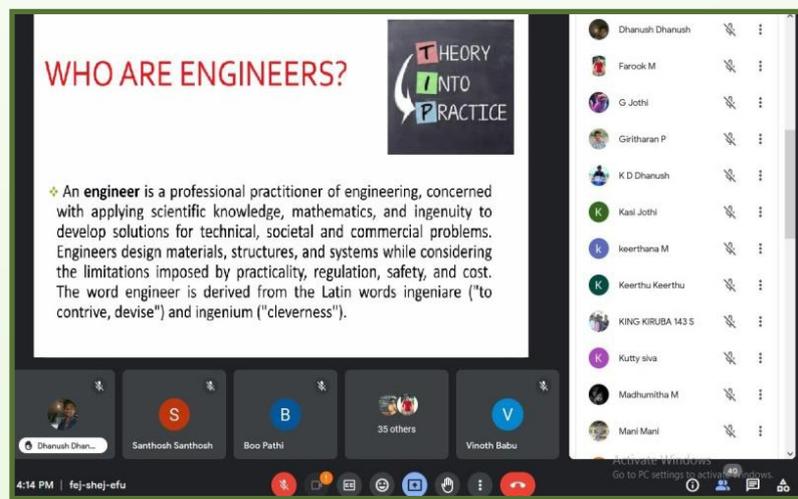
One day Webinar on “**Industry Oriented Big Data Tools and Technologies**” organized by the Department of Electronics and Communication Engineering on 17.09.2022 between 11.00 a.m. to 12.00 p.m. through Google meet. Dr.B. Ramesh, HOD/ECE at Annapoorana Engineering College, greeted the resource person and gave a brief introduction as well. Person of Interest Mr. S. Vinothkumar gave explanation of the most popular technologies and gave an introduction of machine learning methods for exploring, analyzing

and utilizing data. The tools and techniques you may use to build machine learning models that learn from data and scale those models to tackle large data issues will be covered. Students that attend this webinar with interest and ask some questions that are answered by the resource person discuss the development of the IT field, big data technologies, and how to apply bigdata oriented job in certain industries.

Vote of gratitude from Mr.R.AruArumugam, AP/ECE, to the resource person, the department head for inspiring us to plan a energetic session, and all the participants for their enthusiastic involvement. Nearly 45 students from various department were attended the session and enrich their knowledge.



## WORKSHOP ON “CAREER OPPORTUNITIES AND OPTIONS FOR ELECTRICAL ENGINEERS”



A One Day Career guidance workshop on “**Career Opportunities and Options for Electrical Engineers**” organized by the department of EEE on 18.11.2022 at

Dr.A.Shanmugasundaram Seminar Hall between 9.00a.m. 4.30p.m Mr. **Karthikeyan.S, Director, M/S- ARKTECH Automation Solutions (P) Ltd, Coimbatore** was the resource person.

Dr.A.Anbuchejian, Principal, Annapoorana Engineering College has presided over the workshop with the warm welcome to the resource persons and the participants.This workshop is being attended by a total of 180 participants.

The chief guest shared lot of key points with the participants He started the session with his own experience. There is a great demand for electrical engineers in every field. Electrical and Electronics engineers are highly employable, as their training is not limited to a specific profession but encompasses a branch of science and is the most interesting branch of engineering. Electrical engineers may work on diverse fields such as Design of household appliances, Electrical System Design for Building Construction, Electric Vehicles/Cars, Railways, Sophisticated medical equipments in hospitals, Electric power generating installations, Electricity Transmission and Distribution etc. Job opportunities are ample in both private and public/government sectors.

In the afternoon session chief guest explained about The F-Electrical Engineering provides with endless of opportunities. Renewable Energy Industry is a fast growing industry in the world. The future of renewable energy sector in India looks quite promising as India is ranked fourth in the world in the renewable energy country attractive index. According to IBEF (India Brand Equity Foundation), the total installed renewable energy capacity in India is around 32.26 per cent of total energy capacity of the country. It is expected that by the year 2040, around 49 per cent of the total electricity will be generated by renewable energy, giving the renewable energy sector the potential to create numerous employment opportunities at all levels. Another fast growing industry is that of Electric vehicles (EVs).

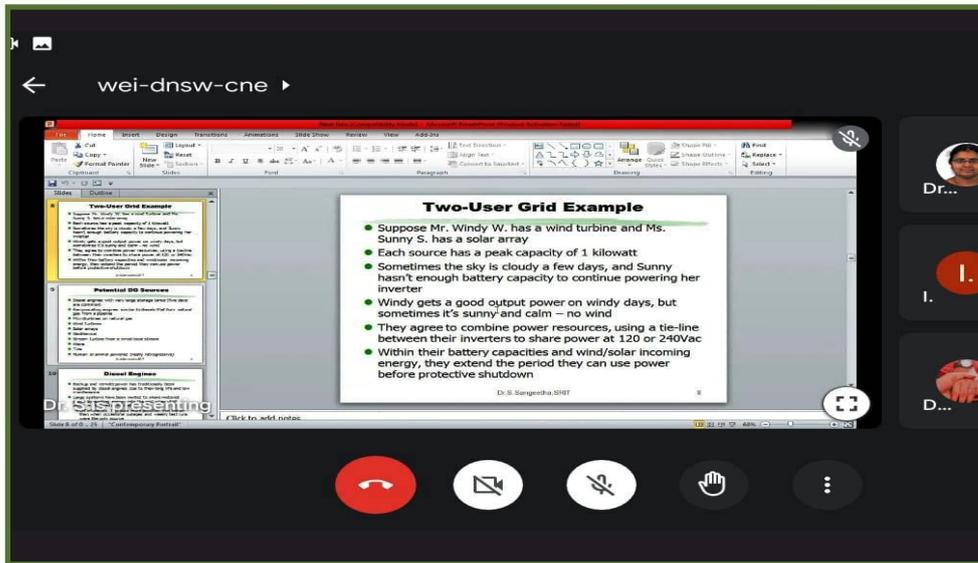
. The scope and the opportunities of electrical engineering are abundant and evergreen.

Mr.N.Navin kumar, Assistant professor from EEE department congratulated all participants for the successful completion of the entire programme. At the end of the session, feedback was provided by the students

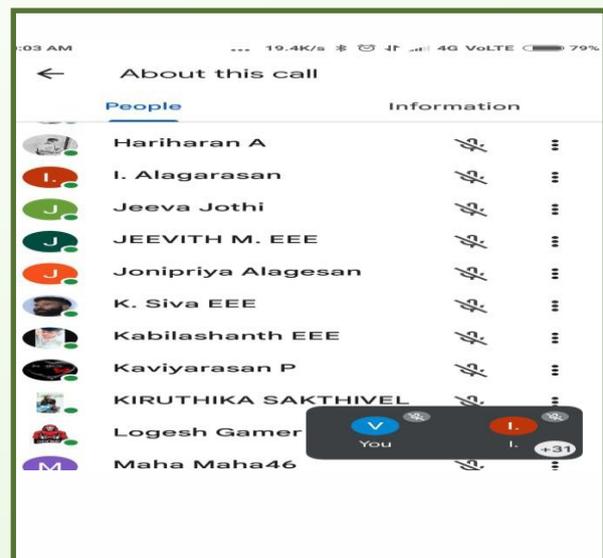
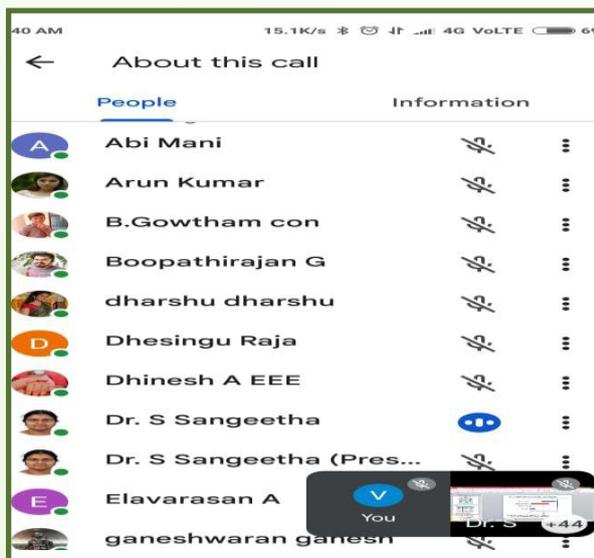
### GUEST LECTURE ON “INDIA’S NEXT GENERATION POWER GRID”

The guest lecture on “**India’s Next Generation Power Grid**” organized by the Association of EEE on 01<sup>st</sup> November, 2022 at Dr.A.Shanmugasundaram Seminar Hall Dr.I.Alagarasan, Annapoorana Engineering College presided over the lecture with the warm welcome to the resource person and the participants

In this lecture Dr.S.Sangeetha delivered the content with very understandable manner First she interacted with students and explained them about the basic operations of grid .After that she explained about example of two user grid operations.



Then she continued her explanation about synchronization with the grid. Grids are nearly always synchronous, meaning all distribution are as operate with three phase alternating current (AC) frequencies synchronized so that voltage swings occur at almost the same time. This allows transmission of AC power throughout the area, connecting a large number of electricity generators and consumers and potentially enabling more efficient electricity markets and redundant generation.

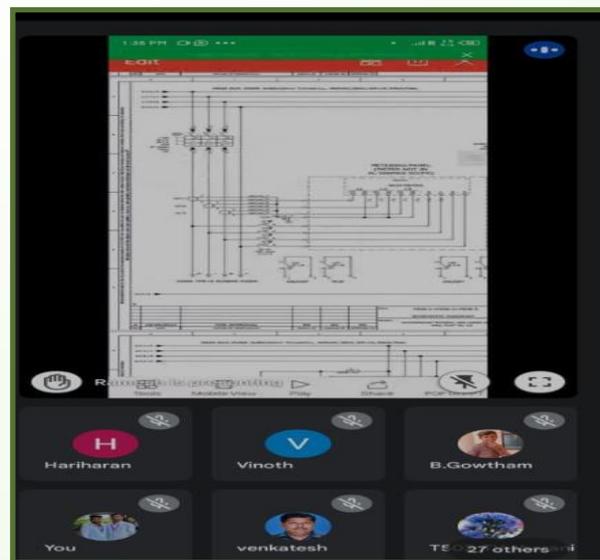
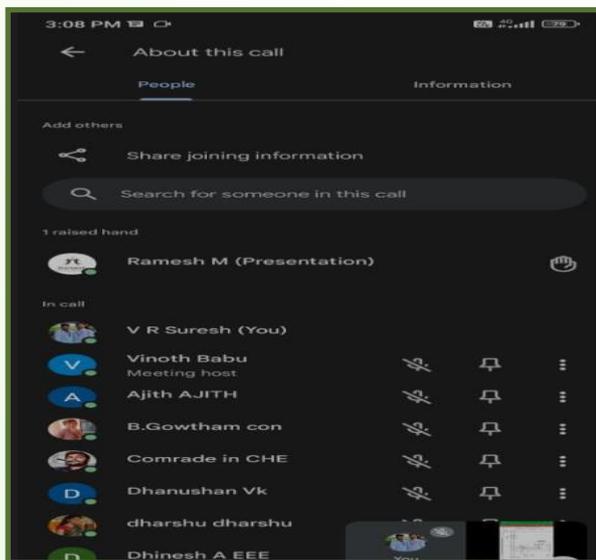


During the feedback session third year student Siva made a wonderful review of the lecture. Mr.G.Vinothbabu AP/EEE proposed the vote of thanks to the resource people and the participants.

## WEBINAR ON “SWITCH GEAR OPERATIONS AND APPLICATIONS”

A One Day Webinar on “**Switch Gear Operations and Applications**” was organized by Association of Electrical and Electronics Engineering, Annapoorana Engineering College (An Autonomous Institution) for the benefit of Research scholars and students and faculties of various department and various institutions on 22.09.2022 (Thursday) Dr.A.Shanmugasundaram Seminar Hall. The speaker of the session was **Er.Ramesh Mani Electrical Engineer at Al Ghandi (Switchgear Industries) Dubai, United Arab Emirates.**

The main motto of the conduction of this one day webinar was to impart and share the knowledge on the switchgear to the every one through the Industrial expert and to fill the gap between academic and industrial expertise. The 120 participants actively participated. The session started with the welcome note by Dr.R.Venkatesh, Head of the Electrical and Electronics Engineering department. Er.Ramesh Mani engaged all the audience by starting the talk with experiences from his past, his failures and mistakes and how those setbacks and experiences helped him to reach the stage where he is now.



He spoke about centralized collection of circuit breakers, fuses and switches that function to protect, control and isolate electrical equipment. The circuit protection devices are mounted in metal structures which are known as electrical switchgear. The audience gained immense knowledge about the applications of the electrical switchgear system which included

- house protection devices against overload and short circuits
- devices to distribute and control electric current
- Isolation of electric circuits from the power supply

- Connect and disconnect electric induction motors
- Execution of qualitative or quantitative measurements on the power supply

To keep the students involved and to provide an aid for their future, Mr.Ramesh Mani gavethestudents various ideas about the large varieties of projects they can make on their own by using the knowledge he shared with them. Mr.G.Vinothbabu, Assistant Professor/EEE proposed the vote of thanks to the resource person and the participants. The webinar ended with the students being satisfied with the knowledge they gained in the technical field and also the important life lessons.

### WORKSHOP ON “ZERO TO APP 30 MINS”

Department of Mechanical Engineering Organized one day Workshop on “**ZERO TO APP 30 MINS**” on 13.10.2022 The workshop was conducted by **Mr.Y.Deepan Chakaravarthy, Managing Director, Boonnet** and **Mr.Balaji Vijayaraghavan, CEO Vallexcel, Founder Ballspark Academy** at Dr.A.Shanmugasundaram seminar Hall, Annapoorana Engineering College.

The programme commenced with the lighting of the Ceremonial lamp by Dr.A.Anbuhezian Principal, Dr.J.Sivakumar HOD/Mech, Dr.S.Subhashini Director Academics, Mr. L.Gnanaprakash, Director Administration, Mr.M.P.Mohanraj ASP/Mech. Making arrangements for the ceremony 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. The software can be preinstalled on the device, downloaded from a mobile app store or accessed through a mobile web browser. The programming and markup languages used for this kind of software development include Java, Swift, C# and HTML5.



In this Session, instructor Mr. Balaji Vijayarag havan covers key concepts of the cloud can offer additional advantages beyond performance boosts. Connect the mobile application to powerful cloud services to add features and improve usability. Employ APIs to integrate new features, such as advanced cloud based services that can help you enhance your mobile apps. These include push notifications, IBM Wats on powered AI analytics, Internet of Things (IoT) smart device integration and more.

At the end of the Workshop, the Valedictory session was held at 3.30 p.m. which was chaired by Dr.A.Anbuhezian Principal, Dr.J.Sivakumar HOD/Mec, Mr.M.P.Mohanraj ASP/Mech, Dr.S.Subhashini Director Academics. In this workshop more than 110 students and staff members from various Institutions 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.

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



**ANNAPOORANA ENGINEERING COLLEGE**  
(An Autonomous Institution)  
Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai  
NAAC 'A' Grade Accredited Institution 2(F) & 12(B) Status as per UGC Act 1956  
NBA accreditation for (Civil, CSE, EEE), ISO 9001:2015 Certified Institution  
NH-47, Sankari Main Road, Periyaseeragapadi, Salem-536308, Tamil Nadu.

**DEPARTMENT OF MECHANICAL ENGINEERING**  
organizes

ISHRAE  
STUDENTS ISHRAE  
YOUTH ISHRAE

**“AN OVERVIEW ABOUT HVACR INDUSTRY & OPPORTUNITIES TO THE UPCOMING GRADUATES”**  
ON THURSDAY 13th July 2023  
at 11.15 am onwards

**Dr. A. ANBUHEZIAN**  
Honourable Principal  
Annapoorana Engineering College, Salem  
Presides

**Mr. JAGANRAJ RATHINAM**  
Founder & Principal Consultant  
Psychrometric Design Solutions - Coimbatore  
ISHRAE Chapter President (2021-2022)-Coimbatore

**Event Coordinators - AEC**  
Dr. J. Sivakumar ASP /Hod

**Event Coordinators - ISHRAE**  
Mr. P.V. Vidyath / President



The Department of Mechanical Engineering organizes a seminar on “An Overview about 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, Coimbatore** at Dr.A.Shanmugasundaram seminar Hall, Annapoorana Engineering College.

The Event began with the prayer song followed by lamp lighting ceremony there were many dignitaries of ISHRAE, various Department Students and faculties present over there. The faculty coordinator Mr.M.Govindaraj from our college introduced the guests and welcomed the gathering. Dr.A.Anbuchejian Principal, honoured the Chief Guest with Shawland Gift. 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 were done during the seminar. 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 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”

The poster is for a seminar organized by the Institute of Innovation Council (IIC) and the Department of Mechanical Engineering at Annapoorana Engineering College. The seminar is titled "INNOVATION AND DESIGN THINKING" and is scheduled for 05th July 2023 at 10:15 AM in the Dr. Shanmuga Sundaram Seminar Hall. The guest speaker is Mr. A. Elamvazhuthi, M.E., an Innovation Ambassador and Assistant Professor of Mechanical Engineering. The poster also lists the IIC President (Dr. A. Anbuchejian), IIC Vice President (Mr. M. Jestin Joseph), and IIC Convener (Mrs. R.S. Gandhimathi). A "REGISTER NOW" button is prominently displayed at the bottom.

**ANNAPOORANA ENGINEERING COLLEGE**  
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
Accredited by NAAC with 'A' Grade & Accredited by NBA (Civil, CSE & EEE)  
Recognized by UGC with 207 & 121(B) and ISO 9001:2015 Certified Institution  
NH-47, Sankari Main Road, Periyarvengapadi, Salem-636308, Tamil Nadu.  
[www.aecsaalem.edu.in](http://www.aecsaalem.edu.in)

**INSTITUTE OF INNOVATION COUNCIL**  
DEPARTMENT OF MECHANICAL ENGINEERING  
Will Organize a Seminar On  
**"INNOVATION AND DESIGN THINKING"**  
on 05<sup>th</sup> JULY 2023 AT 10.15 AM  
Venue : Dr. Shanmuga Sundaram Seminar Hall

**Mr. A. ELAMVAZHUTHI, M.E.**  
Innovation Ambassador-IIC  
Assistant Professor (Mechanical)  
Annapoorana Engineering college,  
Salem.

IIC President  
Dr. A.ANBUCHEZIAN  
Principal  
Annapoorana Engineering college.

IIC Vice President  
Mr. M.JESTIN JOSEPH  
A/PECE  
Annapoorana Engineering college.

IIC Convener  
Mrs. R.S.Gandhimathi  
Head/ASP CIVIL

**REGISTER NOW**

COORDINATOR

Institute Innovation Council has arranged one day seminar on “**Innovation and Design Thinking**” which was held on 05.07.2023 from 10.15 A.M at Dr.A.Shanmugasundaram Seminar Hall. Nearly 45 Students and 10 Faculty members 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. They were educated with a lot of practical examples.

## FACULTY DEVELOPMENT PROGRAMME ON “RESEARCH PROPOSAL WRITING FOR FUNDED PROJECTS”



The Faculty Development Programme on “**Research proposal writing for funded projects**” organized by the Association of EEE on 07th November, 2022 at Dr.A.Shanmugasundaram Seminar Hall Dr.I.Alagarasan, Annapoorana Engineering College has presided over the Programme with the warm welcome to the resource person and the participants. In this programme Dr.V.Lingasamy delivered the content with very understandable manner. Good research starts with a good idea. Once you have identified a good idea, you need to clearly define the problem that needs to be addressed and formulate a research question.

He explained how we identify the problem associated with industrial needs. He gave the list of funding agencies. He requested faculty members to encourage the student’s participation in all activities of research proposal for funding.

He also gave some of the general tips

- Know the culture of the funder
- Follow the instructions
- Know the assessment criteria
- Treat the application like an argument and present it with confidence
- Use the appropriate disciplinary concepts and methods

During the feedback session faculties gave wonderful feedback about the faculty development programme. 80 faculties are participated in this programme. Mr.G.Vinothbabu AP/EEE proposed the vote of thanks to the resource people and the participants.

## INAUGURAL PROGRAM FOR FIRST YEAR STUDENTS

**Inaugural program** was conducted in Dr.A.Shanmugasundaram Seminar Hall on 28.10.2022 for our First year students. The welcome Address was delivered by Dr. A.Anbuezhian, Principal, Annapoorana Engineering College,Salem. Mrs. Aruna Devi, Executive Director felicitated the function.

Thirumigu. N.V.Chandrasekar, Director, Annapoorana Engineering College Salem, presided over the function and delivered the presidential address. The chief guest profile was detailed by Mr.S.Dinesh II year ECE student. The inaugural address of the chief guest was given by Dr.I.Jegan, CEO Win your Weakness Motivational Academy and an International Motivational speaker. Around 250 students participated in the programme. The vote of thanks was given by Dr.R.Karthikeyan, HOD/Mathematics.



## INDUCTION PROGRAMME “ ON FRESHER’S CLOUD”

The Induction programme was conducted for the first year students in an effective manner on 31.10.2022 at Dr.A.Shanmugasundaram Seminar Hall. The first day of the orientation programme was handled by Dr. A.Anbuezhian, Principal of the institution on the topic **On Fresher’s Cloud**. In his session he explained about various resources available to enhance the student’s knowledge. He also discussed about how to enrich one’s vocabulary which is the fundamental requisite for developing communication skills. He shared few useful tips and also few websites to the students in order to self learning. The students gained a feel of comfort and secure through this programme.



## INDUCTION PROGRAMME “PATHWAY TO ENUMERATE YOUR VICTORIES”

**Dr.R. Sathya, HOD/Maths, Sona College of Arts and Science, Salem** handled the session on “Pathway to enumerate your victories” on 31.10.2022 at Dr.A.Shanmugasundaram Seminar Hall. Through her session she described that passing and getting an engineering degree is very easy if it planned in a proper manner. The students were motivated to have a regular practice in developing skills. She also encouraged that the students should be proud that very lucky and intelligent people will get into the field of professional degree. In that aspect first years are very lucky and he said that the faculty members of this institution will be the guiding spirit for the successful completion of their degree. The programme ended with the vote of thanks by Mrs.V.Vennila, AP/Mathematics.



## INDUCTION PROGRAMME “MASTER OF LIFE”

The second day of the Induction programme was conducted on 01.11.2022 at Dr.A.Shanmugasundaram Seminar Hall. The morning session was handled by **Mr.Ajith Selvaraju, Founder of N’Kisi Institute of Training** on the topic **Master of Life**. The students were given guidance on time management. The session was started with a story with moral theme of planning and utilizing the time effectively. He said that time is precious and once it is lost can’t be regained. The students eagerly listened to the session and they realized the importance of time and the usage of it in a beneficial way. The session ended with a vote of thanks by Mrs.V.Vennila, AP/Mathematics.



## INDUCTION PROGRAMME “SPECIAL MEDIA FOR LIFE AND CREATIVE THINKING”



**Dr.K.Sasikala, Professor at VMKV Engineering College** handled the session on 02.11.2022 at Dr.A.Shanmugasundaram Seminar Hall. She gave awareness on advantages and disadvantages of social media and how students are prone to overuse and addiction. First she

appreciated the students for their boldness and the interest to join in the engineering field. Then she stated that one should have faith and dedication towards their department subjects in learning and come out with innovative ideas.

### INDUCTION PROGRAMME “LIFE SKILLS -YOGA”

**Mr. V. Palani, Retired DSP & Professor in Yoga** was the resource person on 03.11.2022 at Dr.A.Shanmugasundaram Seminar Hall. He is an excellent motivator and trainer. Three trainers and resource persons carried out this session in an effective way. As practicing yoga has been recognized internationally it has been implemented in all the educational institutions. This session was focused to make the students to get rid of stressful life. As a student, he or she should possess good health and sound body to lead a successful life. The students were taught basic exercises and they were given a demo on various asana by the trainers. The students were highly motivated and inspired through this session. Mrs.V.Vennila, AP/Mathematics thanked the trainers and proposed the vote of thanks.



### INDUCTION PROGRAMME “ATTITUDE BUILDING”



**Mr. G. Saravana Perumal** handled the session in an enthusiastic way on the topic “**Attitude Building**” on 07.11.2022 at Dr.A.Shanmugasundaram Seminar Hall. The students were motivated by various ice breaking session. Then they were divided into groups in order to give the importance of Leadership skills and Team Work. The resource person emphasized on the

importance of learning life skills. Opportunities were given to the students to share their views and opinions about their school life experiences. Various fun-filled activities were conducted to make the students comfortable. Importance was given on the certain areas like Adaptability, Team work, Goal Setting, Hard Work and Success. Students felt inspired and got motivated through this session.

### INDUCTION PROGRAMME “ CAREER MOTIVATION FOR STUDENTS”



**Dr.M.Rajasekar, Retired Professor in Government Arts and Science College** handled the session on 08.11.2022 at Dr.A.Shanmugasundaram Seminar Hall. He emphasized on the importance of positive thinking. Students were informed that all the streams of education and branches have its own importance. It is the effort and the vision one individual leads and transforms his education into beneficial way. He also stressed on the importance of goal setting and he quoted various live examples of how to achieve the goal. Students were asked to present their goals and discuss in the gathering. At the end of the session he pointed out that hard work, sincere efforts, dedication and perseverance will make each every individual to reach the pinnacles of success.

### INDUCTION PROGRAMME “NOTHING IS IMPOSSIBLE”

The motivation session of this day was carried out by a wonderful speaker, motivator and corporate trainer **Mr.S.Karthikeyan** on 09.11.2022 at Dr.A.Shanmugasundaram Seminar Hall. He has a vast experience in moulding and motivating young minds of the engineering colleges. The speaker shared a few experiences from his real life and how he struggled through the walks of his life. Through this session, the students were highly inspired and motivated through this session. The students were asked to get rid of the obstacles in order to improve their communication skills. As English is a universal medium of language, the students should possess it for their career growth. Opportunities were given to the students to perform a small talk so that

they can gain a lot of confidence to face the world. The session was very informative and useful for the students.



### INDUCTION PROGRAMME "HOW TO BE AN ENGINEER"

**Dr.K.Ganesh Kumar, Associate Professor/IT, Vellalar Engineering College** handled the session on the topic "**How to be an Engineer**" on 10.11.2022 at Dr.A.Shanmugasundaram Seminar Hall. The session began in a humorous way. He stated the present condition and life style of the youngsters by various examples. Then he stressed on that students can enjoy the college life with full enthusiasm and energy. But, they should set a circle for their self growth also. He insisted that the full priority and respect should be given to the decisions of parents. They should abide by that for the benefit of their career. He insists on how discipline plays a major role in setting up goal and accomplishments. He explained on the qualities of an engineer one should possess to create a better future.



## INDUCTION PROGRAMME “DESIGNING YOUR SKILLS”



The afternoon session was handled by **Dr.K.G.Saravanan, Professor / Mechanical Engineering of Sona College of Technology, Salem** . Students were first given a clear awareness about the connection between the body and the mind. He said that an individual person can attain success only through the motivation. Each and every one should develop positive thoughts and get rid of negativity. He also stressed that we should lead our life in a peaceful manner. Students were highly motivated and encouraged by the activities which triggered the minds of the students.

## FACULTY AWARDS (AUGUST 2022- JANUARY 2023)

SL.NO	NAME OF THE RECIPIENT OF THE AWARD	DESIGNATION & DEPARTMENT	TITLE OF THE AWARD
1.	Dr.A.Anbuchejian	Principal	Best Principal award 2023
2.	Dr.T.Buveneswari	Professor/HOD	National Educational Summit & National Award of Honour 2022

## FACULTY JOURNAL PUBLICATIONS (AUGUST 2022- JANUARY 2023)

SL.NO	NAME	TITLE OF THE PAPER	NAME OF THE JOURNAL
<b>DEPARTMENT OF CIVIL ENGINEERING</b>			
1.	Mrs.R.S.Gandhimathi	Role of wrapping materials in enhancing the durability of	Journal of Environmental Protection and Ecology

		concrete elements subjected to aggressive environment	(Annexure Journal)
2.	Mrs.R.S.Gandhimathi	Review and analysis of Digital techniques for construction industry	NeuroQuantology
<b>DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING</b>			
3.	Dr.O.Saravanan.	Literature Review on Resource Scheduling & Resource Mangement Schemes in Cloud Computing	International Conference on computer,power and communications(ICCPC)
<b>DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING</b>			
4.	Mr.M. Jestin Joseph	Analysis of Energy Saving Parameters and Open Loop Scheme in Mobile Communication Network	International Journal on Mobile Communication Wireless, Networking & Innovations
<b>DEPARTMENT OF ELECTRICAL AND ELECTRONIC S ENGINEERING</b>			
5.	Dr.R.Venkatesh	Green Energy Implementation based on Smart Grid Technology	IEEE Xplore
<b>DEPARTMENT OF MECHANICAL ENGINEERING</b>			
6.	Sivakumar Ellappan, Silambarasan Rajendran	Effect of Kariba Weed Biodiesel Blended with N-Pentane on the Chosen Parameters of a Ceramic Coated Thermal Barrier Direct Injection Diesel Engine	ACS Publications
7.	Silambarasan Rajendran	Experimental Studies on Thermal- Barrier-Coated Engine Fuelled by a Blend of Eucalyptus Oil and DEE	ACS Publications
8.	Silambarasan Rajendran M.P. Mohanraj E. Hariharan	A comparative assessment of operating characteristics of a diesel engine using 20%	Australian Journal of Mechanical Engineering

		proportion of different biodiesel diesel blend	
9.	R. Silambarasan,	Biodiesel for HCCI engine Prospects and challenges of sustainability biodiesel for energy transition	Results in Engineering

**IN-PLANT TRAINING (AUGUST 2022- JANUARY 2023)**

S.NO	DATE	NAME	BATCH	COMPANY NAME
<b>DEPARTMENT OF AUTOMOBILE ENGINEERING</b>				
1.	05.08.2022 - 12.08.2022	Ramamoorthy V Magileeswaran G Mayilsamy M	2019-2023	Royal Enfield, Salem
2.	11.10.2022 - 20.10.2022	Manoj D Anandraj M Barvej B Chinnamalar S Deepan Babu P Dinesh S Jeevanantham M Johnhervins J Karthick R Manivelan S Sivam Sanjay Shirkande S Venkat Hari RS	2020- 2024	SKS Automobiles, Salem
<b>DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING</b>				
3.	22.08.2022 - 26.08.2022	Anusiya.M Uma Mageswari.M Jayamani.M Manju.B Menaka.M Kalaivani.S	2019-2023	Avatar Academy

		Vasanth.D Mohanapriya.K		
4.	18.01.2023 - 21.01.2023	Dinesh.G Elakkiya.D Harikarthick.G Harishkrishnan.M Harshita.G Hema.S	2020 - 2024	ABE SEMICONDUCTOR
5.	23.01.2023 - 25.01.2023	Abinaya K Baskar U Durgadevi R Gowri Manogari G Ramesh Krishna S Sanjaykumar S Veeramuthu S	2021 - 2025	CLOUDKAMPUS

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

6.	12.12.2022 - 16.12.2022	Syed Abdulla.J Arulraj.G Gopal.K Jaganathan.T Jagatheeswaran.T Kumaresan.S Mohammed shafi.J Tamilarasan.A	2019 - 2023	Live wire,Salem
		Nivetha Rajeshwari.R Hemalatha.V	2020 - 2024	
7.	19.12.2022 - 23.12.2022	Gowsikha C V Fathima H Parthiban N Tamilarasan K	2019 - 2023	Mikrosun Technology Salem
		Ilaiyaraja M Israel P Kavithasri G Vijay A	2020 - 2024	

		Kasthuri P Kasthuriraja G		
<b>DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING</b>				
8.	13.10.2022 - 22.10.2022	Arunkumar N Elavarasan A Gowtham V A Gunasekaran S Immanuvel R Kalaiyarasan R Kavinprakash K R Kishore J Krishnan M Lakshmanan P	2020- 2024	General Electric & Electronic Solutions
9.	21.09.2022 - 25.09.2022	Bathrinath K Boopathirajan G Deepan M Dhesinguraja M Divya G	2020- 2024	Mas Solar Power Systems Limited
10.	13.09.2022 - 22.09.2022	Kabilashanth M Mahalakshmi R Renuka K Naveena K Prasanth A	2021- 2025	General Electric & Electronic Solutions
11.	23.08.2022 - 27.08.2022	Ashok M Bathrinath K Kavitha V Nivetha B Poovarasan M Ragupathi S Saravanan P Srehari Nidharshan J S Sridhar P Vinothkumar R	2020- 2024	Skray Power Systems
12.	11.08.2022	Abishek S	2021- 2025	Live Wire

	- 20.08.2022	Chinna Raj S Gokul D Jagan R Kesavan C Manivel M Semmalai S Meiyalagan M Udhayasuriyan K Ukkirapandian S		
13.	01.08.2022 - 06.08.2022	Kamaraj A Manikandan P Priyadhasan J Ravikumar V Sakthisubramaniam M Sanjai R	2020- 2024	Microsun Technology

**FACULTY ACTIVITIES (AUGUST 2022- JANUARY 2023)  
(CONFERENCE, FDP, WORKSHOP, SEMINARS, HANDS ON TRAINING)**

<b>DEPARTMENT OF AUTOMOBILE ENGINEERING</b>					
<b>S.NO</b>	<b>DATE</b>	<b>NAME</b>	<b>EVENT</b>	<b>TITLE</b>	<b>COLLEGE NAME</b>
1.	08.01.2023	Mr.K.Ramasamy	Workshop	Entrepreneurship, Skill, Attitude and Behaviourial Development	Annapoorana Engineering College
		Mr. S. Prakash			
		Mr. N. Navaneetha Krishnan			
		Mr.C. Arivazhagan			
2.	25.01.2023	Mr. G. Suriya Prakash	Webinar	Intellectual Property Rights	Annapoorana Engineering College
		Mr.K.Ramasamy			
		Mr. S. Prakash			
3.	02.12.2022	Mr. N. Navaneetha Krishnan	Workshop	Automotive Design in NX CAD	CADD Centre
		Mr.C. Arivazhagan			
		Mr. M. Bharanikumar			
<b>DEPARTMENT OF CIVIL ENGINEERING</b>					
4.	30.01.2023	Dr.S.Dhipan Aravind	International	Innovations in	Muthayammal

	& 31.01.2023	Mr.B.Nandhagopal	Conference	Science, Engineering and Technology for sustainable development	Engineering College, Namakkal
5.	19.01.2023	Mr.P.Ayyanar	Pledge	Road safety	Bell institute of hotel management & Catering technology
6.	12.01.2023	Mrs.R.S.Gandhimathi	Webinar	Architectural and decorative concrete	Qcrete Readymix (India) Pvt Ltd
7.	05.01.2023& 06.01.2023	Mrs.R.S.Gandhimathi Dr.S.Dhipan Aravind Mrs.S.Shanmugapriya Mr.P.Ayyanar	FDP	New generation construction materials & Technologies	Sir M.Visvesvaraya Institute of Technology
8.	02.01.2023 - 07.01.2023	Mrs.R.S.Gandhimathi Mrs.Silpa.N Mrs.T.Divya	Workshop	Emerging trends & applications in Civil Engineering	SRM College of Engineering and Technology
9.	21.12.2022 & 22.12.2022	Ms.P.Selvapriya	International Conference	International Conference on future road of multidisciplinary streams	Roorkee Institute of Technology, Roorkee
10.	12.12.2022 19.12.2022	Mr.P.Ayyanar	FDP	Research Methodology	PPG College
11.	12.12.2022- 16.12.2022	Mr.B.Nandhagopal Ms.P.Selvapriya Mr.R.A.Shivasakthiva divelan Mr.P.Ayyanar Mrs.R.S.Gandhimathi	STTP	GIS for smart city	Presidency University
12.	21.12.2022	Dr.A.Anbuchejian	Conference	5G Confluence	Taj Wellington Mews, Chennai(ICT Academy)
13.	28.11.2022- 02.12.2022	Dr.S.Dhipan Aravind Mr.B.Nandhagopal Mrs.T.Divya Mr.P.Ayyanar	Virtual Management Development Program	Project Management for Organizational Excellence	VIT, Chennai
14.	09.11.2022 & 10.11.2022	Mrs.R.S.Gandhimathi Mrs.Silpa.N Mrs.T.Divya Mr.B.Nandhagopal Dr.S.Dhipan Aavind	International Conference	Advances in Civil Engineering	East west Institute of Technology, Bengaluru

15.	15.10.2022	Mr.P.Ayyanar	Webinar	Crack prevention techniques for RCC slabs	Ultratech Cement Ltd.
16.	08.10.2022	Mrs.Silpa.N Mrs.T.Divya	Webinar	Effect of magnetic water in concrete	Ultratech Cement Ltd.
17.	24.09.2022	Mr.P.Ayyanar	Seminar	Opportunities of Civil Engineers in Valuation	Periyar Maniammai Institute of Science & Technology
		Mrs.T.Divya			
		Mr.R.A.Shivasakthiva divelan			
		Ms.P.Selvapriya			
18.	23.09.2022	Mrs.T.Divya	Expert talk	Sustainable water resources development using coastal reservoirs	Velagapudi Ramakrishna Siddhartha Engineering College
		Mrs.Silpa.N			
19.	19.09.2022 22.09.2022	Mrs.Silpa.N	Naan mudalvan Training	Building Information Modelling	L & T, Chennai
20.	19.09.2022 22.09.2022	Mr.R.A.Shivasakthiva divelan	Naan mudalvan Training	Transportation Infrastructure- Airports, Metros and Seaports	L & T, Chennai
21.	19.09.2022 22.09.2022	Mrs.T.Divya	Naan mudalvan Training	High Rise building	L & T, Chennai
22.	19.09.2022 22.09.2022	Mr.R.A.Shivasakthiva divelan	Naan mudalvan Training	Steel structures	L & T, Chennai
23.	19.09.2022 22.09.2022	Dr.S.Dhipanaravind	Naan mudalvan Training	High Rise building	L & T, Chennai
24.	03.09.2022	Mr.P.Ayyanar	Webinar	Relevance & Importance of ESG(Environment, Social Responsibility & Governnace) for sustainable development goals of organization	Ultratech Cement
25.	16.08.2022	Mr.P.Ayyanar	Regional meet	IIC Regional meet	Reva University, Bengaluru
26.	23.08.2022 - 27.08.2022	Mr.R.A.Shivasakthiva divelan	FDP	Futuristic Research scope in Civil Engineering	CK College of Engineering and Technology
		Mrs.T.Divya			

		Mr.B.Nandhagopal			
		Mrs.R.S.Gandhimathi			
		Mrs.Silpa.N			
		Ms.P.Selvapriya			
<b>DEPARTMENT OF COMPUTER SCIENCE ENGINEERING</b>					
27.	03.01.2023-12.01.2023	Mr.B.Gunasekar	FDP	Cyber security	ICT Academy
28.	16.12.2022-17.12.2022	Dr.T.Buvaneswari	Seminar	Role of NACC with NEP as a Quality Tool For Higher Education	Sri Ranganathar Institute of Engineering and Technology
29.	26.12.2022-30.12.2022	Dr.T.Buvaneswari	FDP	Societal Applications of Machine learning	Shri Vishnu Engineering College for Women (A)
		Mr.K.Thangadurai			
		Mr.B.Gunasekar			
		Mrs.M.Saranya			
		Mr.C.Sukumar			
		Mr.S.Jayaprakash			
		Mr.V.Murugan			
30.	7.11.22 To 16.11.22	Mr.V.Murugan	FDP	Cyber Security	ICT Academy
		Mrs.R.Uma Mageswari			
		Mrs.M.Saranya			
31.	20.11.22	Mr.K.Thangadurai	Workshop	How to become highly paid hacker	Hacking Flix
32.	26.10.2022	Mr.S.Jayaprakash	FDP	Big data Analytics	Tamilnadu Skill Development Corporation
33.	26.10.2022	Mr.K.Thangadurai	FDP	Cloud Computing	Tamilnadu Skill Development Corporation
34.	16.09.2022	Mr.K.Thangadurai	FDP	Cloud Foundation	AWS Academy
		Mrs.R.Uma Mageswari			
35.	12.09.2022 - 16.09.2022	Mrs.R.Uma Mageswari	FDP	Cloud Practitioner(AWS)	Mahendra Engineering College
<b>DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING</b>					
36.	24.01.2023	Mrs.M.Suganya	Webinar	Entrepreneurship and innovation as career opportunity	Annapoorana Engineering college
37.	30.01.2023-04.02.2023	Mrs.J.Jothilakshmi	FDP	Innc Bring Pedagogy And Incorporation Of ICT Techniques In	Paavai Engineering College

				Education	
38.	19.01.2023-21.01.2023	Mrs.M.Suganya	Technical workshop	Design Of Smart Antennas For Wireless Communication Using HFSS and CST	Potti Sriramulu Chalavadi Mallikarjuna Rao College Of Engineering & Technology
39.	5.12.2022 & 6.12.2022	Dr.B.Ramesh	STTP	Research trends in Antenna design and beyond Applications	CARE college of Engineering
40.	14.12.2022-16.12.2022	Mrs.S.Devipriya	FDP	Distruptive technologies for next gen computing	Sri Krishna college of Technology
		Mrs.M.Suganya			
41.	16.12.2022 & 17.12.2022	Mrs.M.Suganya	Seminar	Role of NAAC with NEP as a quality tool for higher education	Sri Ranganathar Inst. Of Engg & Tech
		Dr.B.Ramesh			
42.	03.11.2022	Mrs.J.Jothilakshmi	Guest lecture	Miucrowave Devices &Design	Annapoorana Engineering college
		Mr.M.Jestin Joseph			
		Mrs.M.Abinaya			
43.	07.11.2022	Mr.R.Arul Arumugam	FDP	Reserch proposal writing for funded projects	Annapoorana Engineering college
		Mrs.J.Jothilakshmi			
44.	Oct - Nov	Mr.R.Arul Arumugam	'SAMBHAV'	e-National Level Awareness Programme	Ministry of Micro , Small and Medium Enterprises
45.	14.10.2022	Mr.R.Arul Arumugam	FDP	Design Thinking	Annapoorana Engineering college
46.	15.10.2022	Mr.R.Arul Arumugam	Training	Advanced level IA training	IIC
47.	Aug-oct 2022	Dr,B.Ramesh	FDP	Accreditation and outcome based learning	NPTEL
		Mrs.M.Suganya			
		Mrs.M.Abinaya			
		Mrs.S.Devipriya			
48.	03.09.2022	Mrs.M.Abinaya Dr,B.Ramesh	Webinar	Effective methodology for research paper writing	V.S.B Engineering college
49.	17.09.2022	Mrs.J.Jothilakshmi	Webinar	Industry oriented Big data Tools and Technologies	Annapoorana Engineering college
50.	27.09.2022	Mrs.M.Suganya	Online Training	Bash Basics	e- Yantra

51.	20.09.2022	Mr.R.Arul Arumugam	Online Training	Introduction to IOT	e-Yantra
52.	15.08.2022	Dr,B.Ramesh	E-Quiz	76 <sup>th</sup> Independence day	Navodhaya Institute of Technolgy
<b>DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING</b>					
53.	16.01.2023-20.01.2023	Dr.S.Durairaj	FDP	Estimating And Costing Of Non- Conventional Energies	NITTR,Kolkata
54.	03.01.2023	Dr.R.Venkatesh	Online Non - Credit Course	Introduction To Power Electronics	Authorized By University Of Colorado Boulder & Offered Through Coursera.
		Mrs..P.Ganga			
55.	12.12.2022 - 16.12.2022	Dr.I.Alagarasan	FDP	Next Generation Energy Harvesting and Storage Technologies	Bharath Institute Of Higher Education And Research.
		Dr. S. M. Kamali			
		Mrs.T.Muthamil			
56.	29.11.2022	Mr.S. Senthilkumar	Online Non-Credit Course	INM2M & Iot Interface Design & Protocols for embedded systems	Authorized By University Of Coloradoboulder & Offered Through Coursera.
57.	16.11.2022	Mr.S. Senthilkumar	Online Non-Credit Course	Introduction And Programming With Iot Boards	Authorized By University Of Coloradoboulder & Offered Through Coursera.
58.	16.11.2022	Mr.S. Senthilkumar	Online Non-Credit Course	Introduction to Architecting Smart Iot Devices	Authorized By University Of Coloradoboulder & Offered Through Coursera.
59.	27.10.2022.	Mrs.T.Muthamil	Webinar	Intellectual Property Rights	IIC, Annapoorana Engineering College,
60.	08.102022	Dr.I.Alagarasan	Webinar	Outcome Based Education And Its Attainment	Karpagam Academy Of Higher Education Coimbatore
61.	03.10.2022	Mr. S.Senthilkumar	Online Non - Credit Course	Electric Power Systems	Authorized By University Of Coloradoboulder & Offered Through Coursera.

62.	28 & 29.09.2022	Dr.I.Alagarasan	FDP	Emerging Smart Technologies	L&Tcampus, Chennai.
63.	12.09.2022	Dr.I.Alagarasan	Seminar	Smart Grids And Distributed Energy Systems	Prathyusha Engineering College.
64.	25.07.2022 - 29.07.2022	Dr.I.Alagarasan	FDP	Recent Trends In electric Vehicles	PSN College of Engineering and Technology.
		Mrs.T.Muthamil.			
65.	11.07.2022 - 16.07.2022	Dr.I.Alagarasan.	FDP	Power System Analysis	Sri Ramakrishna Engineering College.
		Mrs. T. Muthamil,			
		Mrs, M. Prabha,			
		Mr.G.Vinothbabu,			
<b>DEPARTMENT OF MANAGEMENT STUDIES</b>					
66.	08.09.2022	Dr.S.Subhashini	Webinar	Prospects for Student Entrepreneurs	Annapoorana Engineering College, Salem
<b>DEPARTMENT OF MECHANICAL ENGINEERING</b>					
67.	27.01.2023- 29.01.2023	Mr. M.Govindaraj	FDP	Computational Design & Dynamics	Sree Sakthi Engineering College
		Dr.M. Vairavel			
		Mr. J.Boopathi			
68.	09.01.2023- 13.01.2023	Mr.P.Sakthivel	FDP	Prospects of Research Towards Innovation Development in HEIS	Jansons Institute Of Technology, Coimbatore
		Mr.J.Boopathi			
		B.Prabhu			
69.	14.11.2022- 18.11.2022	Mr.S. Kannan	FDP	Trends & Challenge Development Of Electric Vehicles & Hybrid Electric Vehicles (Series-2)	Lendi Institute Of Engineering & Technology, Vizianagaram Dist
		Mr.M.Govindaraj			
		Mr.V.Moorthi			
		Mr.M.Ranjithkumar			
70.	31.10.2022- 04.11.2022	Mr.M.Govindaraj	FDP	Advances in Materials & Manufacturing	National Institute of Technical Teachers Training and Research, Chennai
71.	26.09.2022- 30.09.2022	Mr.S. Kannan	FDP	Trends & Challenges In The Development Of Electric Vehicles & Hybrid Electric	Lendi Institute Of Engineering & Technology, Vizianagaram Dist
		Mr.M.P.Mohanraj			
		Mr.V.Moorthi			
		Mr. P.Sakthivel			
		Mr. M.Ranjithkumar			

72.	15.09.2022-17.09.2022	Mr. A.Elamvazhuthi	FDP	Vehicles (Series-1) Programme Monitoring Office Innovation & Entrepreneurship Development Programme (PMO IEDP)	Sona College of Technology, Salem.
		Mr. J.Boopathi			
		Mr. M.Ranjithkumar			
73.	04.07.2022-09.07.2022.	Mr.M.Govindaraj	FDP	Advancements in Thermal and Renewable Energy Technologies (ATRET - 2022)	Lakireddy Bali Reddy Colege Of I Engineering, Andhra Pradesh
		Dr.M.Senthil			
		Dr.R.Silambarasan			
		Mr.P.Sakthivel			
74.	27.06.2022-02.07.2022.	Dr.J.Sivakumar	FDP	Smart materials and manufacturing system	Kings Engineering College- Chennai

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

S.NO	DATE	NAME	BATCH	EVENT	TITLE	COLLEGE/ INSTITUTION NAME
<b>DEPARTMENT OF AUTOMOBILE ENGINEERING</b>						
1.	02.12.2022	Mr. T. Mahesh	2018-2022	Workshop	Automotive Design in NX CAD	CADD Centre
		Mr. V.Ramamoorthi	2019-2023			
2.	15.11.2022	Mr. M. Mayilsamy	2019-2023	Certificate Course	Solid works (2D &3D Sketching)	Annapoorana Engineering College
		Mr.G.Magileeswaran	2020-2024			
		Mr.T. Aravinth	2021-2025			
		Mr. M. Mahesh	2019-2023			
<b>DEPARTMENT OF CIVIL ENGINEERING</b>						
3.	30.01.2023-31.01.2023	Ms.J.Mymitha	2019-2023	International Conference	Laboratory scale study on synthetic greywater treatment in constructed wetland with sugarcane	Muthayammal Engineering College, Namakkal dt
		Mr.M.Sakthivel				
		Mr.P.Abinash				

4.	01.11.2022 02.11.2022	Ms.J.Mymitha	2019-2023	Workshop	2 days design thinking workshop	Sona College of Technology, Salem
5.	23.09.2022	Ms.J.Mymitha	2019-2023	Expert talk	Sustainable water resources development using coastal reservoirs	Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada
6.	23.09.2022	Mr.M.Sakthivel	2019-2023	Expert talk	Sustainable water resources development using coastal reservoirs	Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada

**DEPARTMENT OF COMPUTER SCIENCE ENGINEERING**

7.	16.12.2022 - 17.12.2022	Mr.Madhva M	2019-2023	Seminar	Role of NAAC with NEP as a Quality Tool For Higher Education	Sri Ranganathar Institute of Engineering and Technology
		Ms.Poongodi C				
		Mr.Venkatesh R				
		Mr.Vijayakumar V				
8.	20.11.2022	Ms.Akila P	2019-2023	Workshop	How to become highly paid hacker	Hacking Flix
		Ms.Anitha T				
		Ms.Anusiya M				
		Mr.Harish T				
		Mr.Karthick P				
		Mr.Manikandan C				
		Ms.Manju B				
		Mr.Tamizharasan M				
		Mr.Somasundaram D				
		Ms.Umamaheswari M				
Mr.Vasanth D						

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

9.	20.12.2022	Ms.Usha B	2021-2025	Webinar	Innovations in digital system design	Annapoorana engineering college
----	------------	-----------	-----------	---------	--------------------------------------	---------------------------------

10.	13.12.2022	Mr.Dinesh S	2021-2025	power on vote	Sveep	Election commission of India, salem district
11.	OCTOBER & NOVEMBER	Mr.Soundappan S	2021-2025	Webinar	Sambhav, e-national level awarness programme	Annapoorana engineering college
12.	28.11.2022	Mr.Parthiban N	2019 - 2022	Webinar	Innovations in smart grid systems	Annapoorana engineering college
		Ms.Sangavi M	2021 - 2025			
13.	03.11.2022	Mr.Tamilarasan K	2019 - 2022	Guest lecture	Microwave devices and design	Annapoorana engineering college
		Mr.Parthiban N				
		Ms.Sagavi M	2021 - 2025			
14.	02.11.2022	Ms.Sangavi M	2021-2025	Workshop	Entrepreneurship and innovation as career opportunity	Annapoorana engineering college
		Ms.Usha B				
15.	27.10.2022	Ms.Usha B	2021 - 2025	Webinar	Intellectual Property Rights	
16.	14.10.2022	Ms.C.V.Gowsikha	2019 - 2022	Webinar	Design Thinking	Annapoorana engineering college
		Ms.Usha B	2021 - 2025			
		Ms.Sangavi M	2021 - 2025			
		Ms.Fathima H	2019 - 2022			
		Mr.Parthiban N	2021 - 2025			
		Mr.Soundappan S	2021 - 2025			
17.	11.10.2022	Ms.Usha B	2021-2025	Webinar	Effectsof mathematics innovation and technology on students learning performance	Annapoorana engineering college
18.	17.09.2022	Ms.Fathima H	2019 - 2022	Webinar	Industry oriented big data tools and technologies	Annapoorana engineering college
		Mr.Vijay A	2020-2024			
		Mr. Tamilarasan K	2019-2022			
		Ms.Sangavi M	2021-2025			

		Ms.Usha B	2021-2025			
		Mr.Soundappan S	2021-2025			
19.	21.09.2022	Mr.Dinesh S	2021-2025	National level technical symposium	Paper presentation	Mahendra engineering college
20.	29.08.2022	Mr.Soundappan S	2021-2025	Webinar	Angel investment / vc funding opportunity for early stage entrepreneurs.	Annapoorana engineering college
		Ms.Sangavi M	2021-2025			
		Ms.Fathima H	2019-2022			
		Ms.Usha B	2021-2025			

**DEPARTMENT OF ELECTRICAL AND EL ECTRONICS ENGINEERING**

21.	28.11.2022	Ms.Maithreye M R	2019-2023	Webinar	Innovation insmart grid systems	Annapoorana Engineering College, Salem
22.	23.11.2022 25.11.2022	Ms.Maithreye M R		Webinar	Battery state- of health (SOH) estimation	Coursera University of Colorado, Bangalore.
23.	14.11.2022	Ms.Maithreye M R		Webinar	Introduction to battery management system	Coursera University of Colorado, Bangalore.
24.	10.11.2022	Ms.Maithreye M R		Webinar	Motors and motor control control circuits	Coursera - University of Colorado Boulder, Bangalore.
25.	07.11.2022	Mr.Kalaiyaran R	2018-2024	Webinar	Introduction and programming with IoT boards	Coursera - POSTECH, Bangalore.
26.	04.11.2022	Ms.Maithreye M R	2019-2023	Webinar	People, Technology and the future of mobility	University of Michigan
27.	02.11.2022	Mr.Kalaiyaran R	2018-2024	Webinar	Electric power system	Coursera - The state university of New York
28.	02/07/08/23 .11.2022	Mr.Kalaiyaran R		Webinar	Azure IOT Hub	Coursera Project Network
29.	01.11.2022	Mr.Arun Kumar K		Guest Lecture	India's next generation power grid	Annapoorana Engineering College, Salem
		Mr.Deepakjana V				

		Mr.Dhanushanb	2020-2025				
		Ms.Dharshini T					
		Mr.Ganeshwaran R					
		Mr.Hariharan A					
		Ms.Kiruthika S					
		Mr.Logeshwaran K					
		Ms.Mahalakshmi R					
		Mr.Mohanraj N K					
		Mr.Rahul V M					
		Ms.Renuka K					
		Mr.Sanjay B					
		Mr.Sridhar M					
		Mr.Suresh P					
		Ms.Maithreye M R	2019-2023				
30.	14.10.2022	Mr.Sanjay B	2020-2025	Webinar	Design thinking	Annapoorana Engineering College, Salem	
31.	11.10.2022	Mr.Sridhar M	2020-2025	Webinar	Effects of mathematics innovation ad technology on students learning performance	Annapoorana Engineering College, Salem	
		Ms.Maithreye M R	2019-2023				
		Mr.Arun Kumar K	2020-2025				
		Ms.Dharshini T					
		Mr.Ganeshwaran R					
		Mr.Hariharan A					
		Mr.Jeevajothe V					
		Mr.Kabilashanth M					
		Mr.Logeshwaran K					
		Ms.Mahalakshmi R					
		Mr.Rahul V M					

		Mr.Sanjay B				
		Mr.Suresh P				
32.	22.09.2022	Ms.Maithreye M R	2020-2025	Webinar	Switch gear operation & Applications	Annapoorana Engineering College, Salem
33.	17.09.2022	Ms.Mahalakshmi R		Webinar	Industry oriented big data tools and technologies	Annapoorana Engineering College, Salem
		Ms.Renuka K				
		Ms.Maithreye M R				
34.	14.09.2022	Mr.Arun Kumar K		Webinar	Introduction to Cyber Security	CISCO, Bangalore.
		Mr.Logeshwaran K				
		Mr.Rahul V M				
35.	22.08.2022	Ms.Maithreye M R	2019-2023	Webinar	How to industry ready through virtual internships bundled with IBM & Microsoft certification programs	Knowledge solutions India, Microsoft Certification, Bangalore.

#### MOUs SIGNED

SL.NO	NAME OF THE INDUSTRY / INSTITUTE	DATE OF SIGNING MOU	DURATION
1.	ABE Semiconductor Designs	18.11.2022	Life Time
2.	Boonnet	13.10.2022	Life Time
3.	Evolution Careers	07.10.2022	1Year
4.	Airmedia Broadcast Solution Private Limited	28.09.2022	Life Time

#### VALUE - ADDED COURSES AND CERTIFICATE COURSES

S.NO	COURSE	COURSE TITLE
1.	Value-Added Courses	Campus Recruitment Training
		Entrepreneurship Development Program
		Employability Enhancement Training
		Soft Skill Training

		Aptitude Training
		Yoga and Meditation
		Placement Training
		Speaking & presentation
		Time management
		Campus to Corporate Training
		Leadership
		Personality development
		Motivational Training
2.	Certificate Course	Geometric Dimensioning and Tolerancing
		Automotive Engine after treatment systems for - VIBS
		PM and Nox control techniques
		Drone surveying
		Modern tools used in construction industries
		Sketch up 3D
		Python
		Photoshop
		NS2
		Image Processing Using Mat lab
		Signal Processing Using MATLAB
		VHDL modeling in VLSI
		Electrical CAD
		MATLAB
		Programmable Logic Controller
		Inspection and Quality Control
		Engine Dismantling and Assembly
Air-conditioning and refrigeration system		

## **EDITORIAL BOARD**

### **Editor-in-Chief**



**Dr. A. Anbuhezian**  
Principal

## **TEAM MEMBERS**



**Dr.S.Subhashini**  
Assistant Professor  
Management Studies



**Mrs.R.S.Gandhimathi**  
Associate Professor  
Civil Engineering



**Mrs.T.Divya**  
Assistant Professor  
Civil Engineering



**Mr.N.Sivandham**  
Assistant Professor  
EEE



## **ANNAPOORANA ENGINEERING COLLEGE**

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

**ISO 9001:2015 Certified Institution**

NH-47 Sankari Main Road, Periyaseeragapadi, Salem-636308, Tamilnadu.

**Phone :** 97869 11333 / 94420 00648

**Email :** [principalaecsaalem@gmail.com](mailto:principalaecsaalem@gmail.com) / [annapooranaengineeringinfo@gmail.com](mailto:annapooranaengineeringinfo@gmail.com)

**Website :** [www.aecsaalem.edu.in](http://www.aecsaalem.edu.in)