

ANNAPOORANA ENGINEERING COLLEGE

(AN AUTONOMOUS INSTITUTION)

Approved by AICTE | Affiliated to Anna University

NH-47, Sankagiri Main Road, Periya Seeragapadi, Salem – 636308



AEC NEXUS

AEC NEXUS JUNE 2026 EDITION



ANNAPOORANA ENGINEERING COLLEGE

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JUNE OVERVIEW

Welcome to the June 2026 edition of **AEC NEXUS**. Following a spectacular May, our faculty and students have plunged into a month of intensive research, professional upskilling and technological innovation.

This month highlights an extraordinary focus on Faculty Development Programmes (FDPs) encompassing Artificial Intelligence, Deep Learning and Exploratory Data Analysis across the CSE, IT, ECE and BME departments. We are actively shaping our educators to lead the next generation of engineers with cutting-edge tools.

INNOVATION & PRIDE

A monumental achievement this month goes to the Mechanical Engineering department for securing a published Design Patent for an AI-Driven Object Sorting System, a testament to our institution's research capabilities.

IN THIS ISSUE

- Mech Patent Grant:**
Dr. J. Sivakumar & team secure a major design patent.
- NPTEL Stars:** Celebrating EEE's **Mr. Alagarasan** (Discipline Star) and ECE's **Mrs. M. Suganya**.
- Student Hackathons:** Automobile students shine at the **Nimirndhu Nil Hackathon**.
- Research Publications:**
 Groundbreaking papers from Chemistry and Automobile departments.

DEPARTMENT OF AUTOMOBILE ENGINEERING

STUDENT & FACULTY ACHIEVEMENTS

This June, we are thrilled to celebrate the dynamic participation of our students in competitive technical events and the continued research excellence of our faculty members.

STUDENT PARTICIPATION

The Automobile department students demonstrated their technical prowess and innovative problem-solving skills at the Nimirndhu Nil Hackathon, held on June 19, 2026. We proudly recognise the following students for their active participation:

- **Rajavel G**
- **Eswaran K**
- **Thulasidharan A M**
- **Sivasakthi P**



FACULTY RESEARCH PUBLICATIONS

We congratulate our faculty for their outstanding scholarly contributions and for advancing critical knowledge in the field of smart materials.

- **Faculty Member: Mr. S. Paulraj (First Author)**
- **Paper Title: "Thermo-Mechanical Analysis of Smart Composite Materials Embedded with Shape Memory Alloys"**
- **Journal: MSW MANAGEMENT - Multidisciplinary, Scientific Work and Management Journal**
- **Publication Year: 2026**
- **Indexing: Scopus**

Congratulations to our students and to **Mr. S. Paulraj** for an academically enriching month

DEPARTMENT OF BIOMEDICAL ENGINEERING

This June, our Biomedical Engineering faculty actively participated in various high-level Faculty Development Programmes (FDPs) and specialized seminars. Their dedication to exploring disruptive technologies, artificial intelligence and IoT continues to strengthen our department's academic framework.

FACULTY DEVELOPMENT PROGRAMMES

- **Mrs. Suganya M** participated in the FDP titled "**Nextgen NEXUS 2026: Disruptive Technologies**", hosted by Panimalar Engineering College from June 22 to June 27, 2026.
- **Mrs. Yasodha Devi P** attended a comprehensive FDP on "**Transforming Engineering Through AI, IoT and Intelligent Automation: Emerging Trends and Real – World Application**" at the Nehru College of Engineering and Research Centre from June 8 to June 13, 2026.

SEMINARS & TECHNICAL TRAINING

On June 26, 2026, a dedicated team of our faculty members attended an insightful seminar on "**Federated Learning**:"

Privacy Preserving in AI", organised by the Visakha Institute of Engineering and Technology. We commend the following faculty for their active participation and commitment to understanding modern AI privacy standards.

- **Mr. Arun Prasath M M**
- **Mrs. P T Bhuvana**
- **Mr. S. Gnanasekaran**

Congratulations to our faculty for their unwavering commitment to continuous learning and technological advancement.

BME FACULTY EVENT PARTICIPATION

M. M. Arun Prasath

Served as a Reviewer for the International Conference on Innovations in Computing, Communication and Sustainable Technologies (ICICST 2026) organised by NIT Jalandhar from April 3-5, 2026.



M. M. Arun Prasath

- Participated in the online One-Day Seminar on **"Federated Learning: Privacy Preserving in Artificial Intelligence"** hosted by Visakha Institute of Engineering & Technology on June 26, 2026.



Gnanasekaran S

- Participated in the online One-Day Seminar on **"Federated Learning: Privacy Preserving in Artificial Intelligence"** hosted by Visakha Institute of Engineering & Technology on June 26, 2026.



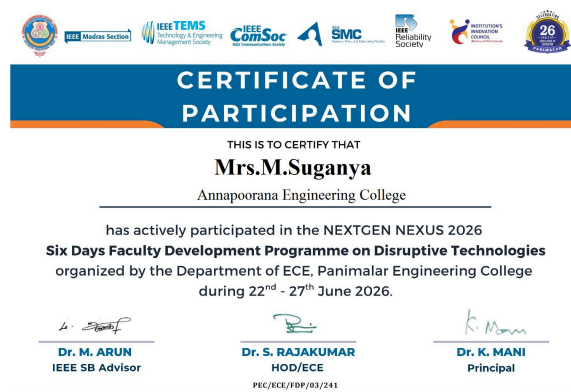
PT Bhuvana

- Participated in the online One-Day Seminar on **"Federated Learning: Privacy Preserving in Artificial Intelligence"** hosted by Visakha Institute of Engineering & Technology on June 26, 2026.



Mrs. M. Suganya

Participated in the NEXTGEN NEXUS 2026 Six Days Faculty Development Programme on **"Disruptive Technologies"** organised by Panimalar Engineering College from June 22-27, 2026.



Yasodha Devi P

- Participated in the Super Searchers Workshop conducted by upEducators in partnership with Google on May 8, 2026.



Shanmugam Arthanari

- Participated in the Super Searchers Workshop conducted by upEducators in partnership with Google on May 8, 2026.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FACULTY PROFESSIONAL DEVELOPMENT

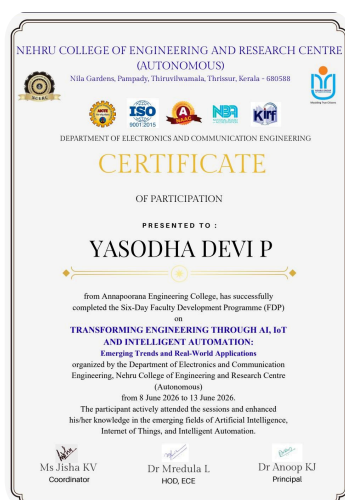
This June, our Computer Science and Engineering faculty demonstrated a strong commitment to upskilling in modern data science methodologies by participating in an intensive, week-long Faculty Development programme (FDP).

FACULTY DEVELOPMENT PROGRAMME

A large contingent of our esteemed CSE faculty successfully attended a comprehensive FDP focused on mastering data techniques.

- **programme Topic:** Exploratory Data Analysis
- **Host Institution:** Annapoorana Engineering College
- **Dates:** June 22, 2026 – June 26, 2026

Completed the Six-Day Faculty Development Programme (FDP) on **"Transforming Engineering Through AI, IoT and Intelligent Automation: Emerging Trends and Real-World Applications"** organised by Nehru College of Engineering and Research Centre from June 8-13, 2026.



We proudly commend the following faculty members for their active participation and dedication to continuous academic learning.

- **Dr. T. Buvaneswari**
- **Dr. O. Saravanan**
- **Dr. S. Muniyappan**
- **Mr. P. Balamurugan**
- **Mrs. Saranya R**
- **Mrs. Suganya G**
- **Mrs. Roshni M**
- **Mrs. J. Vahithunnisha**

Congratulations to our CSE faculty for their proactive approach to mastering new technical skills.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY PROFESSIONAL DEVELOPMENT

This June, our ECE faculty members actively engaged in numerous Faculty Development programmes (FDPs) and international workshops, demonstrating a strong commitment to integrating cutting-edge technologies like Artificial Intelligence, Data Science and Deep Learning into their teaching and research methodologies.

AI & GENERATIVE TECHNOLOGIES

- Mrs. Maria Dhayana Latha participated in a 3-day International Workshop on **"Python to Generative AI"**, hosted by Inspire Softech Solutions from June 8 to June 10, 2026. She later attended an FDP on **"Empowering Educators With AI: Smart Teaching, Learning and Research Strategies using Artificial Intelligence"** at IES College of Engineering (June 15-19, 2026).

On June 13, 2026, a team of our faculty members attended a specialised FDP on **"Making Ethical Research Using AI Tools 3.0"**, organised by Researchbrains. We commend the following participants.

- **Mrs. G. Kavitha**
- **Mr. R. Arul Arumugam**
- **Mrs. S. Devipriya**

DATA SCIENCE & DEEP LEARNING

YOUR PARAGRAPH TEXT

On June 24, 2026, several faculty members advanced their expertise by attending an FDP titled **"Data Science and Deep Learning Techniques"** at Shree Sathyam College Of Engineering.

- **Mr. M. Jestin Joseph**
- **Mr. A. Kumaravel**
- **Mr. A. Jagadeeswaran**

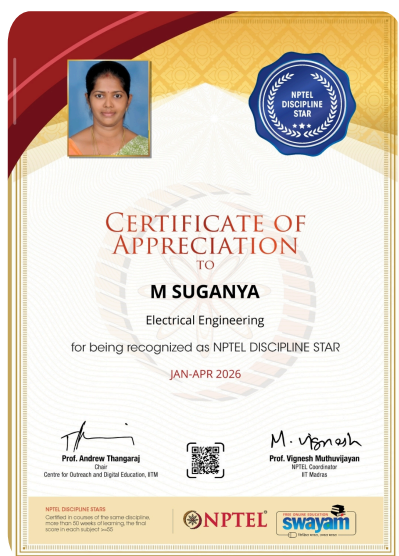
We applaud our ECE faculty for their dedication to staying at the forefront of technological advancements.

NPTEL AWARD & RECOGNITION

We extend our heartiest congratulations to Mrs. M. Suganya for her extraordinary dedication to continuous learning, culminating in a highly esteemed NPTEL recognition.

- **Faculty Member: M. Suganya**
- **Award Title: NPTEL DISCIPLINE STAR**
- **Recognized Discipline: Electrical Engineering**
- **Session: Jan–Apr 2026**
- **Awarded By: NPTEL / IIT Madras**

- **Achievement Criteria:** This prestigious star is awarded for completing more than 50 weeks of learning in courses of the same discipline with a final score of 55 or higher in each subject.



Congratulations to **Mrs. M. Suganya** for this exceptional milestone and her relentless pursuit of academic excellence

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

FACULTY EXCELLENCE & NATIONAL RECOGNITIONS

We are incredibly proud to highlight the exceptional dedication to continuous learning demonstrated by our faculty. This month, we celebrate multiple prestigious national-level recognitions awarded through the NPTEL online certification programme.

NPTEL AWARDS & RECOGNITIONS

We extend our heartiest congratulations to **Mr. Alagarasan** for his remarkable pursuit of academic excellence, earning three distinct and highly esteemed NPTEL recognitions for the Jan–Apr 2026 session.

- **Faculty Member: Alagarasan**
- **Award 1: NPTEL DISCIPLINE STAR (Recognized in the discipline of Computer Science and Engineering)**



- **Award 2: NPTEL ENTHUSIAST**



Congratulations to **Mr. Alagarasan** for setting a stellar example of lifelong learning, cross-disciplinary mastery and dedication to academic growth



- **Award 3: NPTEL BELIEVER**
- **Session: Jan-Apr 2026**
- **Awarded By: NPTEL / IIT Madras**

DEPARTMENT OF INFORMATION TECHNOLOGY

FACULTY PROFESSIONAL DEVELOPMENT

This June, our Information Technology faculty demonstrated a strong commitment to upskilling in modern data science methodologies by participating in an intensive, week-long training programme.

FACULTY TRAINING & DEVELOPMENT

A large contingent of our esteemed IT faculty successfully attended a comprehensive programme focused on mastering data techniques.

- **programme Topic: Exploratory Data Analysis**
- **Host Institution: Annapoorana Engineering College**
- **Dates: June 22, 2026 – June 26, 2026**

We proudly commend the following faculty members for their active participation and dedication to continuous academic learning.

- **Dr. S. Venkatesan**
- **P. Nandini**
- **A. Saranyadurai**
- **B. Keerthana**
- **R. Prakash**
- **P. Dhanarasan**
- **R. Krishnan**
- **M. Renuka**



Congratulations to our IT faculty for their proactive approach to mastering new technical skills in data analytics.

DEPARTMENT OF MECHANICAL ENGINEERING

RESEARCH, PROFESSIONAL DEVELOPMENT & INNOVATIONS

This June, the Mechanical Engineering department proudly celebrates a trifecta of academic excellence: groundbreaking research publications, active participation in faculty development and the successful publication of a technological patent.

FACULTY RESEARCH & PUBLICATIONS

Our faculty continues to advance the boundaries of material science and sustainable engineering with high-impact research.

- **Faculty Member:** Silambarasan Rajendran
- **Paper Title:** "Mechanical, morphological and thermal analysis of biochar-filled polymer bio-composites"
- **Journal:** REVISTAMATERIA
- **Publication Date:** June 2026
- **ISSN:** 1517-7076 articles e20250956, 2026

FACULTY PROFESSIONAL DEVELOPMENT

We commend our faculty for their continuous pursuit of knowledge and staying updated on sustainable engineering practices.

- **Faculty Member:** S. Kannan
- **programme Title:** Advancements in Engineering Materials for Sustainability
- **programme Type:** Faculty Development programme (FDP)
- **Dates:** June 18, 2026 – June 20, 2026
- **Host Institution:** Sree Sakthi Engineering College (Autonomous), Karamadai

INNOVATIONS & PATENTS

We are thrilled to announce a major milestone in technological innovation from our department. Congratulations to **Dr. J. Sivakumar** on his recently published patent.

- **Inventor/Faculty:** Dr. J. Sivakumar
- **Patent Title:** AI-DRIVEN OBJECT SORTING SYSTEM WITH SWING ARM MECHANISM AND PNEUMATIC HANDLING SYSTEM
- **Status:** Published
- **Publication Month:** June 2026
- **Reference Number:** 495883-001

Congratulations to all our faculty members for an incredibly productive and innovative month.

We are immensely proud to announce a significant milestone in technological innovation from the Mechanical Engineering department. Our faculty's dedication to developing advanced, industry-relevant solutions has resulted in an official Design Registration granted by The Patent Office, Government of India.

Patent Design Details:

- **Design Title: AI-DRIVEN OBJECT SORTING SYSTEM WITH SWING ARM MECHANISM AND PNEUMATIC HANDLING SYSTEM**
- **Design Number: 495883-001**
- **Date of Issue: May 21, 2026**
- **Granting Authority: The Patent Office, Government of India (Intellectual Property India)**
- **Registered Inventors: Dr. Sivakumar M, Dr. R. Karthikeyan, Dr. J. Sivakumar, Ms. Srimathi Umasekar, Mr. Kamlesh Pant, Mrs. A. Khavieya, Dr. K. Ganapathi and Dr. Su. Venkatesan.**



DEPARTMENT OF SCIENCE AND HUMANITIES

FACULTY AWARDS AND RECOGNITION

This June, we are exceptionally proud to celebrate the outstanding recognitions bestowed upon our English department faculty. Their unwavering commitment to continuous learning and professional development serves as a great inspiration to our entire academic community.

DEPARTMENT OF CHEMISTRY

FACULTY RESEARCH & PUBLICATIONS

We are thrilled to highlight the exceptional research contributions from the Department of Chemistry this month. Our faculty members continue to drive innovation in sustainable materials and environmental solutions, successfully publishing their findings in prominent scientific journals.

RECENT FACULTY PUBLICATIONS

Research on Wastewater Treatment

- **Authors:** Dr. A. Sivaprakasam, Dr. P. Govindhan, Dr. D. Dhivya priya and K. Vidhya.
- **Paper Title:** "Advancing wastewater treatment: removal of methylene blue using sustainable low-cost activated carbon—comparative and efficient prediction by ANN and ANFIS".
- **Journal:** Journal of Analytical Science and Technology.
- **Publication Date:** June 2026.
- **ISSN:** (2026) 17:37.

Research on Photocatalytic Degradation

- **Authors:** Dr. P. Govindhan and Dr. A. Sivaprakasam.
- **Paper Title:** "The surface reactivity of silver nano particles doped with TiO₂ nano rod like crystals for enhancing photocatalytic degradation of harmful water pollutants under visible - light irradiations".
- **Journal:** Next Materials.
- **Publication Date:** June 2026.
- **ISSN:** 12 (2026) 102410.

Research on Electrocatalysts

- **Author:** Dr. V. Chellasamy.
- **Paper Title:** "Oxygen Vacancy-Rich Pt-NiTiO₃/C Electrocatalyst via Microwave-Solvothermal Method for Improved Methanol Oxidation".
- **Journal:** Journal of Electrochemical Science and Technology.
- **Publication Date:** June 2026.
- **ISSN/DOI:** 10.33961/jecst.2026.00073.

Congratulations to all our Chemistry faculty members for their outstanding dedication to scientific research and for advancing solutions in sustainable chemistry

DEPARTMENT OF ENGLISH

FACULTY AWARDS AND RECOGNITION

This June, we are exceptionally proud to celebrate the outstanding recognitions bestowed upon our English department faculty. Their unwavering commitment to continuous learning and professional development serves as a great inspiration to our entire academic community.

RECENT FACULTY AWARDS

We extend our heartiest congratulations to **Dr. S.S. Uma Sundara Sood** for receiving multiple prestigious accolades from the NPTEL online certification programme.

- **Award Recipient: Dr. S.S. Uma Sundara Sood**
- **Award Title 1: NPTEL Believer (Awarded in June 2026)**

- **Award Title 2: NPTEL Motivated Learner (Awarded in May 2026)**
- **Awarding Institution: IIT M Chennai**



Congratulations to **Dr. Uma Sundara Sood S. S** for her remarkable dedication to lifelong learning and academic excellence



DEPARTMENT OF MATHEMATICS

FACULTY PROFESSIONAL DEVELOPMENT

This June, our Mathematics faculty demonstrated a strong commitment to enhancing their pedagogical skills and exploring new academic applications. Engaging in continuous learning is a cornerstone of our department's dedication to educational excellence.

FACULTY DEVELOPMENT PROGRAMME

We are pleased to highlight the active participation of our faculty in advanced national-level training programmes aimed at fostering innovative teaching methodologies.

- **Faculty Member:** Mrs. V. Vennila
- **Event Type:** Six-Day National Level FDP
- **Topic/Title:** "Innovative Teaching Practices and Emerging applications in Science and Humanities"
- **Host Institution:** Shreenivasa Engineering College
- **Dates:** June 22, 2026 – June 27, 2026



Congratulations to **Mrs. V. Vennila** for her proactive approach to academic excellence and continuous professional learning

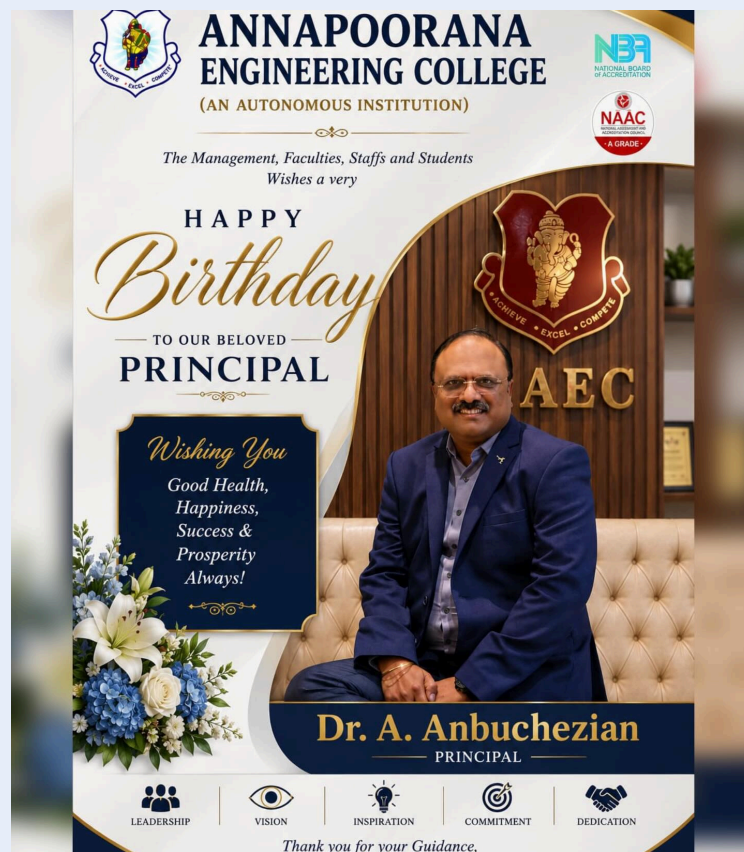
COLLEGE GENERAL EVENTS & ANNOUNCEMENTS

This June, Annapoorana Engineering College hosted a vibrant mix of intensive academic workshops, collaborative faculty training programmes and a very special campus celebration.

SPECIAL CELEBRATION: BIRTHDAY CELEBRATION TO OUR PRINCIPAL SIR

The management, faculty, staff and students came together this month to celebrate the **birthday** of our beloved **Principal, Dr. A. Anbuchejian**.

- We extend our warmest wishes for his **good health, happiness, success and prosperity**.
- The entire AEC community deeply appreciates his **visionary leadership, inspiration and unwavering support** that continues to guide our **institution toward excellence**.



A 5-DAY FDP ON EXPLORATORY DATA ANALYSIS

To empower our educators with cutting-edge data science skills, a comprehensive **5-Day Faculty Development Programme (FDP)** was successfully conducted.

- **Dates & Time:** June 22 – 26, 2026, from 11:00 AM to 12:45 PM.
- **Jointly organised By:** The Departments of Artificial Intelligence & Data Science, Computer Science & Engineering and Information Technology.
- **Key Topics:** The sessions covered EDA using Python, Univariate and Bivariate Analysis, as well as Multivariate and Time Series Analysis.
- **Resource Persons:** The programme featured expert insights from eminent professionals representing leading institutions and **MNCs, including TCS, SRM, SSN and VIT.**

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5 Days
FDP on
EXPLORATORY DATA ANALYSIS

22- 26 June 2026
Monday- Friday
11:00 AM – 12:45 PM

Eminent Resource Persons from Leading Institutions & MNCs



Jointly organized by
Department of Artificial Intelligence & Data Science
Department of Computer Science & Engineering
Department of Information Technology

Under the Esteemed Patronage of
Dr.A.Anbuhezian
Principal



Topics	Important Dates
• EXPLORATORY DATA ANALYSIS • EDA USING PYTHON • UNIVARIATE ANALYSIS • BIVARIATE ANALYSIS • MULTIVARIATE AND TIME SERIES ANALYSIS	• Last Date for Registration and Payment June 19, 2026 • Registration Confirmation June 20, 2026 • Session Days & Time 22-26 June 2026 11:00 AM - 12:45 PM • E-Certificate will be Issued on June 26, 2026

Registration Fee

- STUDENTS
Rs.150
- FACULTY
Rs.200

FDP Outcome

- By the end of this Faculty Development Programme, Participants will be able to apply exploratory data analysis techniques using python into their academic curriculum, guide or do student research projects with real-world datasets, and confidently leverage Python's data science ecosystem for statistical visualization and insights.

Scan to Register

<https://aecsalem.edu.in/fdp>

For More Details, Call **93676 22336 90430 48379 97896 40672**

Contact Us www.aecsalem.edu.in 9786911333 9442000648 annapooranaengineeringinfo@gmail.com

WORKSHOP: 'THE 5Ps OF RESEARCH: TRANSFORMING IDEAS INTO IMPACT'

The Department of R&D, in collaboration with the Institution's Innovation Council, organised a highly impactful **3-day workshop** aimed at **enhancing academic and research excellence**.

- **Dates & Time:** June 30th to July 2nd, 2026, from 9:30 AM to 4:00 PM.
- **Venue:** Dr. A. Shanmuga Sundaram Auditorium, AEC.
- **Guest Speaker:** Dr. S. Shankar, Director of ProMind Academy, Erode (M.E., Ph.D. from IIT Madras).
- **Convenor:** Dr. S. Punidha, Dean of R&D, AEC.
- **The Core 5Ps:** Participants explored the complete research cycle **Problem identification, Process application, Publications, Proposals for funding and protecting innovations through Patents**.

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Department of R&D and Institution's of Innovation Council

Organizes

WORKSHOP ON

'The 5Ps of Research: Transforming Ideas into Impact.'

01 PROBLEM
Identify real-world problems worth solving.

02 PROCESS
Apply systematic methods and rigorous research.

03 PUBLICATIONS
Share findings through quality publications and journals.

04 PROPOSALS
Develop compelling proposals for funding and collaboration.

05 PATENTS
Protect innovations and create intellectual property.

SPEAKER
Dr. S. SHANKAR
M.E., Ph.D (IIT Madras)
Director
ProMind Academy, Erode

PATRON
Dr. A. Anbuhezian,
Principal, AEC.

CONVENOR
Dr. S. Punidha,
Dean - R&D, AEC.

KEY TAKEAWAYS

- Understand the complete research cycle
- Learn strategies for quality publications
- Develop strong research proposals
- Explore patent filing and IP protection
- Connect research with real-world impact
- Interactive session with expert insights
- Enhance academic and research excellence

EVENT DETAILS

DATE
30th June to 2nd July '26 (3 days)

TIME
9.30 a.m to 4.00 p.m

VENUE
Dr. A. Shanmuga Sundaram Auditorium, AEC.

All are Cordially Invited

RESEARCH INNOVATE IMPACT

- Think Deep. Research Smart.
- Innovate Boldly.
- Publish Globally.
- Propose Strategically.
- Patent Proudly.
- Create Impact.

IDEAS TODAY. IMPACT TOMORROW!

LOOKING FORWARD



As we prepare for the upcoming academic semester, the intense upskilling undertaken by our faculty ensures that Annapoorana Engineering College remains at the forefront of modern engineering education. We wish our students a highly productive summer and look forward to welcoming the new 2026-27 batch to our dynamic campus

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