



# ANNAPOORANA ENGINEERING COLLEGE

(An Autonomous Institution)

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

Accredited by NAAC with 'A' Grade & Accredited by NBA (Civil, CSE & EEE)

2(f) & 12(B) Status as per UGC Act 1956

ISO 9001:2015 Certified Institution

NH-47, Sankari Main Road, Periyaseeragapadi, Salem-636308, Tamil Nadu.

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



## IQAC ANNUAL REPORT OF THE COLLEGE FOR THE ACADEMIC YEAR 2022-2023

Annapoorana Engineering College, strongly believes in the concept of holistic education and strives to achieve its goal of preparing students to meet the challenges of the 21<sup>st</sup> century. Stepping into the 13<sup>th</sup> Academic Year, Annapoorana Engineering College has come a long way in marching towards Quality Initiatives and gaining accreditations.

The number of student **admissions** for the Academic Year 2022-2023 is 545 including both UG & PG Courses. Summing up, the overall college student strength is 1200 students for the AY 2022-2023.

The Milestone Achievements made by the Institution in 2022-23 includes:

- **Autonomous Status** recognition from UGC and Anna University from 2022-2023 onwards for a period of 5 years.
- **NBA Accreditation** for 3 years for three UG Programs namely Civil Engineering, Computer Science & Engineering and Electrical & Electronics Engineering in October 2022.
- In continuation with NAAC Accreditation, AQAR for the Academic Year 2020 - 2021 has been submitted and approved successfully.

Regarding the conduct of events several Seminars, Workshops, Trainings were conducted. Few of the **major events** to mention are:

- ❖ 1<sup>st</sup> Year Inauguration of Batch 2022-2023 - 28.10.2022
- ❖ 8<sup>th</sup> Convocation was held on 05.11.2022
- ❖ Sports Day 2023 - 12.04.2023
- ❖ Annual Day 2023 - 13.04.2023
- ❖ Alumni Meet – 10.04.2022 The BOS Meeting for all departments are conducted.
- ❖ Academic Council Meeting - 30.11.2022
- ❖ Governing Body Meeting - 02.12.2022



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- ❖ Curriculum is designed for all the programs and for all semesters.
- ❖ Syllabus is set for 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> & 4<sup>th</sup> Semesters with the consultation of Academic Experts during the BOS Meeting and it is in pipeline for the remaining semesters.
- ❖ BOS Members for 3 New UG Programs are given by the Center for Academic Courses of Anna University & also got NOC from the Registrar to start the programs.
- ❖ Academic & Administrative Audit was conducted twice for the Academic year 2022-2023 in the month of December 2022 and June 2023.

**Infrastructural improvements made in the college are:**

- Setting up of Apple Authorized Training Center
- Setting up of New Laboratory Complex
- Additional Class Rooms for New Programs
- Installation of Mobile Tutor App: An Online platform for Teaching - Learning – Process
- Academic Alliance with IBM for Curriculum Enrichment through Value Added Courses
- Board Room - November 2022
- Boys Hostel - 2<sup>nd</sup> Floor
- Synthetic Rubber Paneling of Basket Ball Ground

Totally 06 **MOUs** are signed for the Academic Year 2022-2023, including C Cube Technologies, Cloudkampus, ABE Semiconductor Designs, Boonnet, Evolution Careers and Air Media Broadcast Solution Private Limited.

Apart from curriculum, **Value added courses** are offered to the students. Department wise the number of courses offered and the beneficiaries (given in parenthesis) are as follows: Automobile -3 (210), Civil - 1 (118), CSE - 2 (193), ECE - 2 (180), EEE - 3 (289) and Mechanical - 2



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(156). **Certificate Courses** offered are as follows: Department wise the number of courses offered and the beneficiaries (given in parenthesis) are as follows: Automobile -3 (50), Civil - 3 (67), CSE - 3 (138), ECE - 3 (68), EEE - 3 (102) and Mechanical - 3 (128). Through ICT 01 Programs was organized for students and 30 students got benefitted out of it and 01 program was organized for faculty members and 60 faculty members got benefitted out of it. 4 faculty members got benefitting through a training program organized by ICT Academy.

Regarding **Research & Development activities** on campus:

- Research & Development Center was applied by the Department of Mechanical Engineering. Online Application process is completed and awaiting for final Inspection by Anna University.
- Dr.J.Sivakumar, ASP / Mechanical Engineering received Ph.D Guide ship from Anna University, Chennai.
- Dr.R.A.Shivasakthivadivelan, AP - Civil Engineering completed Ph.D on 28.04.2023
- Mrs.R.S.Gandhimathi, HoD & ASP - Civil Engineering received comments from Examiners and awaiting the date of Viva-Voce

**Journal Publication** for the Academic YEAR 2022-2023 are Automobile – 05, Civil- 03, CSE-01, ECE-01, EEE-03, Mechanical – 08 and S&H-01. **Conference Presentations** include are Automobile – 01, Civil- 04, CSE-10, ECE-03, EEE-11, Mechanical – 02 and S&H - 01. Overall 06 **Book Publications** are made by faculty members in 2022-2023. 01 **Patent Grant** Received & 01 Published by Civil department, 01 Patent Grant Received & 01 Published by ECE department, 01 Published by EEE department, 01 Published by Mechanical department and 01 by S&H department. **FDPs attended by faculty members** are as follows: Automobile - 06, Civil- 08, CSE-11, ECE - 11, EEE - 10 & Mechanical - 08. Overall 15 Workshops are attended by faculty members.



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Regarding **Funds received from Non - Government Funding Agencies**, the Department of Civil Engineering received a project fund of Rs.2,00,000/ from Aathira Associates and the Department of CSE received a fund of Rs.1,00,000/ from Avatar Academy, Networking & Security for Software Development.

Regarding the **TNSCST Funding Proposals submitted & Grant Received**, the department of Automobile received a fund of Rs.7,500/- on the Project proposal titled "Automatic Gear Shifting Mechanism Using Sensor" and Department of ECE received a fund of Rs.7,500/- on the title "The Development of Device for the Mute Community to convert Gesture to Speech".

#### **Details on CM Funding Proposals submitted includes:**

1. The Performance of Retrofitted RC Beams with different wrapping materials – Civil Engineering
2. Deep Fake Detection using Deep Learning – CSE
3. An optimum frame work for disaster management and resilience of the power sector and implementation through intelligent Autonomous Energy grid connected with intelligent smart meters – EEE
4. Biodiesel as an Alternate Fuel for Diesel Engine: NOx Reduction using Antioxidant Additives - Mechanical Engineering
5. Experimental and numerical analysis of fuel cell using biodiesel - Mechanical Engineering

#### **MSME Funding Proposals submitted are as follows:**

1. Design & Assessment of 3D Wheel Alignment Machine for vehicles – Automobile Engineering
2. Gearless Transmission – Automobile Engineering
3. A field scale production of organic manure for sustainable agriculture – Civil Engineering
4. Advance Notification System in Passenger Transportation using RF and GSM Technology – CSE



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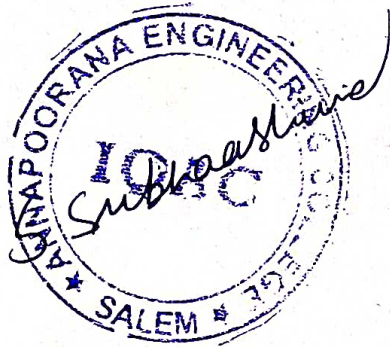
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- Investigations of effect of Titanium alloys on various printing temperature with constant printing speed by using Electron Beam Melting (EBM) 3d Printing – Mechanical Engineering

Regarding **Placement, Higher Studies and Entrepreneurship**, out of 103 final year students passed out for the AY 2022-23, 92 students placed in companies or Government Sector, 15 students admitted to higher studies with valid qualifying scores and 02 students turned as entrepreneurs in engineering / technology. To end up, the college is all set to take up its next level in the near future with regard to quality and excellence.



  
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