# AAACOLLEGE OF ENGINEERING AND TECHNOLOGY

**Approved by AICTE, New Delhi / Affiliated to Anna University, Chennai.**
**Accredited by NAAC with Grade 'A' & An ISO 21001: 2018 Certified Institution**
**Accredited by NBA (CSE, ECE, EEE &Mech)**
**Kamarajar Educational Road, Sivakasi – Virudhunagar, Amathur – 626 005**

## 9thANNUAL DAY REPORT

Annual Day forms an integral part of our college activities. It is an occasion of celebration, felicitation, feast and festivity when students present not only their wonderful performances but also receive honours for their curricular and co-curricular achievements. It's also a time for teamwork and being proud of what the college stands for and believes in.

My hearty welcome to one and all gathered here. I would like to thank you all for responding our invitation and gracing this occasion. I deem it my splendid privilege in presenting to you the Annual Day Report of the academic year, 2022-23. This report is comprised of the achievements made during the year gone by and at the same time set the path for greater accomplishments in the years to come. This year, as usual, has been a very eventful one.

At the onset, it's about the inception of the college. It was instituted in the year 2013 with a prime motive to uphold the educational standard of the rural people and was promoted by the Vinayaga – Sony Group of Industries. The College functions with Dr. P. Karvannan as the Chairman & Secretary, Dr. P. Ganesan as the Correspondent and Dr. K. Vignesh Kumar as the Joint Secretary and furthermore upheld by Panjurajan - Amaravathy trustees.

AAA College of Engineering and Technology commenced in the academic year 2022-23 with a five B. E. courses: Civil Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering and Mechanical Engineering. Presently the college runs with 879 students. In this academic year, CSE A& B sections, ECE & EEE and the newly introduced branches, AI & DS, Cybersecurity& IT branches are completely filled and the remaining branches like Civil & Mech too got better admission count. All these upliftments are definitely the consequences of the steadfast trust you have on AAACET and your great support rendered to it.

## MENTOR: MENTEE RATIO:

| Academic Year | Number of Students Enrolled in theinstitution | Number of Mentors | Mentor: Mentee Ratio |
|---|---|---|---|
| 2022 - 2023 | 879 | 45 | 1 : 19.53 |

Our college has itsinfrastructure on the landscape of 44 acres and 36,500 square meters as buildings, workshops, laboratories and gardens. The laboratories and workshops are well

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equipped with all the requirements as per the Anna University and AICTE norms. There are 11 computer labs, with 538 systems above the statutory requirement. The Campus has 200Mbps high-speed internet connection with Wi-Fi enabled and is fully networked with LAN support. The students who are indulging in projects and are intended to bring out new inventions, are getting special permission to utilize the above mentioned facilities.

The college runs with 87 faculty members and out of which 35 faculty members hold PhD degrees, 4 have submitted their thesis and 16 are pursuing their PhD degrees.

AAACET got accredited by the National Board of Accreditation (NBA) for CSE, ECE, EEE & Mechanical departments. The process of getting accredited for Civil department too is going on. Earlier the National Assessment and Accreditation Council (NAAC) ranked AAACET with a grade of A (3.15 on a 4point scale) for a period of 5years from 23.02.2021. AAACET is the youngest college to achieve NAAC 'A' grade. This is an exemplary proof of AAACET's quality and infrastructure provided to the students. The Education Institution's Standard Certification ISO21001: 2018 was provided to AAACET by TUVNORD on May 30th, 2022 which is given based on the quality education and the other facilities rendered to the students. AAACET is the very first college in TamilNadu to receive this certification. The new courses, B.E. Cyber Security, B.Tech. Artificial Intelligence and Data Science and B.Tech. Information Technology are introduced in this academic year. All the courses provided come with valid job opportunities.

460 students of AAACET have been benefitted by the government sanctioned Backward Class and Most Backward Class Welfare Scholarship worth Rs. 18,25,675/- and 96 students have benefitted by the Scheduled Caste and Scheduled Tribe Scholarship worth Rs. 48,00,000/-. 412 students have benefitted by the first graduate Scholarship worthRs. 1,03,00,000/-. Panjurajan Amaravathy Trust has given Merit Scholarship for 317 students up to Rs. 1,35,25,875/-

Considering the faculty experience and research potential, the department of Mechanical Engineering has applied to Anna University for the grant of the Center for Research in the areas of Mechanical Engineering. After the inspection undertaken by Anna University, the department got the approval on the month of December, 2022. This academic year, Anna University approved Computer Science Department as Center for Research. This approval helps

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the departments to guide PhD students and carry out several research activities in the college campus. In addition to that, the institution started working towards National Institutional Ranking Framework (NIRF) ranking. In order to achieve this, the institution is taking efforts in recruiting more number of qualified PhD candidates in all departments. After obtaining ISO, NAAC, and NBA accreditation, the college applied for permanent affiliation with Anna University and is working in parallel to gain autonomous status.

All the departments of AAACET have established their Professional Chapters –CSI, FACEAT, ISHRAE, IETE, SAE-INDIA and the department associations have been successful in conducting symposiums and workshops. Invited guest lectures by eminent academicians and industrialists and several training programmes are being regularly conducted by the departments in association with the professional chapters. BOSCH Center for CAR, Center of Industrial Internet of Things, REDHAT Academy, Texas Instruments Lab, Centre of Excellence for Youth Empowerment & Centre of Excellence in Project Management offer training programmes for students in the campus itself in the emerging areas of engineering.

In order to meet the needs of the industry, the college recurrently organizes placement training programs, including pre-placement talks, written tests on aptitude and verbal, mock interviews, group discussions, personality development, stress management, time management, life skills, entrepreneurial skills and so on, to facilitate the students to face interviews with confidence. Specific placement training related MoUs with the esteemed training institutes like, KodNest Technologies, WiseTech Source Pvt. Ltd, Firstnaukri Assessment, ICTACT Academy, Bosch Limited, Bigleap Solutions etc. are made and the students are trained and made to take tests. The consistent high placement record illustrates the commitment towards bringing up competent technologists to the world. The efforts resulted in core placements in companies like Google, IBM, L & T, Cognizant, ZOHO, TCS, Infosys, Wipro, ANB Systems, Renault Nissan Technology and Business Center India, HCL, Accenture, DXC Technology, Mphasis, Econstruct, Centizen, Infinity, Webberax, ZF, Perfect Detailing Steel Services Private Limited, Justdial, Qantler etc.

The Alumni Association of our college was inaugurated in the year 2019 and is acknowledged as a recognized society in the year 2020. The major objectives of the alumni

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association are, to enhance the coordination between AAACET and its alumni, to get shared about the information regarding job opportunities and higher engineering education in India and abroad. Alumni meetings like, Annual General Body Meeting and Executive Committee Meeting are conducted once in a year and 3 months once respectively.

Our institution embraces cultural diversity, acknowledges significant historical events and recognizes the importance of celebrating various national and international festivals to foster unity and promote intercultural understanding among students and staff. Throughout the academic year, the institution celebrates a range of national and international festivals such as Pongal, Christmas, Diwali, Ayudhapooja, Saraswathipooja, Vinayagar Chadhurthi celebration etc. and rejoices important commemorative days such as National Technology Day, World IP Day, Women's Day, National Science Day, Republic Day, Independence Day, Engineer's Day, Energy Conservation Day, National Pollution Control Day, Constitution Day, Voters Day, National Day of Unity, Teacher's Day etc., to foster inclusivity, promote awareness, and encourage active participation among students and staff.

All these activities and achievements are the results of the intensive effects rendered by the faculty members, supportive staff and the students of AAA College of Engineering and Technology along with the magnanimous support extended by our Management. The enormous efforts put forth in the field of technical education and research, to achieve excellence, continue everyday to reach greater heights.

## RESEARCH PUBLICATIONS IN SCI AND SCOPUS JOURNALS

| S. No | Academic Year | Number of SCI Publication | Number of Scopus Publication |
|-------|---------------|---------------------------|------------------------------|
| 1. | 2022-2023 | 22 | 10 |
| 2. | 2021-2022 | 16 | 3 |
| 3. | 2020-2021 | 12 | 13 |
| 4. | 2019-2020 | 12 | 7 |
| 5. | 2018-2019 | 9 | 3 |

| S. No. | Professional Development / Event | Department | No. of Faculty |
|--------|----------------------------------|------------|----------------|
| 1. | Award of Incentives for Faculty | CIVIL | 7 |
| | | CSE | 3 |
| | | ECE | 2 |
| | | EEE | 3 |

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|   |   |   |   |
|---|---|---|---|
|   |   | MECH | 11 |
|   |   | S&H | 5 |
| 2. | Faculty Members Pursuing Ph.D., | CIVIL | 1 |
|   |   | CSE | 1 |
|   |   | ECE | 3 |
|   |   | EEE | 5 |
|   |   | MECH | 5 |
| 3. | Book Published by Faculty | ECE | 1 |
|   |   | EEE | 1 |
|   |   | CSE | 1 |
|   |   | S&H | 2 |
| 4. | Faculty Produced 100% Result | CIVIL | 8 |
|   |   | CSE | 4 |
|   |   | ECE | 2 |
|   |   | EEE | 4 |
|   |   | MECH | 3 |
|   |   | S&H | 7 |
| 5. | Certificate Courses Completed by Faculty | Civil | 1 |
|   |   | EEE | 3 |
|   |   | MECH | 1 |
|   |   | S&H | 1 |
| 6. | Papers Published in Journals | CIVIL | 10 |
|   |   | CSE | 4 |
|   |   | ECE | 2 |
|   |   | EEE | 2 |
|   |   | MECH | 15 |
|   |   | S & H | 6 |
| 7. | Papers Presented / Published in Conferences and Seminars | CSE | 24 |
|   |   | EEE | 28 |
|   |   | MECH | 20 |
|   |   | S&H | 2 |
| 8. | Guest Lecture / Workshop Delivered | CIVIL | 4 |
|   |   | CSE | 1 |
|   |   | ECE | 2 |
|   |   | EEE | 3 |
|   |   | MECH | 7 |
|   |   | S&H | 2 |
| 9. | Certificate Courses Conducted | CIVIL | 3 |
|   |   | CSE | 3 |
|   |   | ECE | 2 |
|   |   | EEE | 3 |
|   |   | MECH | 2 |

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| | | | |
|---|---|---|---|
| 10. | Workshop/ Seminar/ FDP attended by the faculty | CIVIL | 23 |
| | | CSE | 23 |
| | | ECE | 28 |
| | | EEE | 31 |
| | | MECH | 32 |
| | | S&H | 2 |
| 11 | Faculty Awards | Civil | 5 |
| | | MECH | 1 |

## KNOWLEDGE DELIVERYAT DEPARTMENTS:

| S.No. | Departments | No. of programmes |
|---|---|---|
| 1. | CIVIL | 10 |
| 2. | CSE | ·12 |
| 3. | ECE | 5 |
| 4. | EEE | 8 |
| 5. | MECH | 8 |

## INDUSTRIAL VISIT BY THE STUDENTS

| S.No. | Department | Name of the Industries Visited |
|---|---|---|
| 1. | Civil | Water Treatment Plant, Bodinayakanur and Vaigai Dam |
| 2. | CSE | VinsupInfoTech Pvt.Ltd., Tenkasi |
| 3. | EEE | Venus Home Appliances, Pvt., Ltd, Tuticorin& V.V.D. and Sons Pvt., Ltd, Tuticorin, 1MW Solar Power Plant, Kurunaikulam&Anaamalais Toyota Car Showroom, Amathur. |
| 4. | MECH | Sun Pressing Pvt. Ltd., Madurai, RamcoCements Limited, Virudhunagar, Thermal Power Station, Tuticorin& VVV &Sons Edible Oils Pvt.Ltd., Virudhunagar&Anaamalais Toyota, Sivakasi, |

## STUDENTS'ACHIEVEMENTS

| S.No | Professional Development /Event | Department | Number of Students |
|---|---|---|---|
| 1. | Achievements in co- | CIVIL | 6 |

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| | | | |
|---|---|---|---|
| | curricular activities | CSE | 44 |
| | | ECE | 15 |
| | | EEE | 84 |
| | | MECH | 57 |
| | | S&H | 15 |
| 2. | GPAscored above 9 in AU exam | CIVIL | 2 |
| | | CSE | 5 |
| | | ECE | 4 |
| | | EEE | 5 |
| | | Mech | 1 |
| 3. | Paper Publications in Journal | CSE | 24 |
| 4. | Achievements in sports activities | Civil | 23 |
| | | ECE | 6 |
| | | EEE | 11 |
| | | Mech | 6 |
| | | S&H | 7 |
| 5. | Workshop/ In-Plant Training/Seminar/conference /webinar/ Quiz | Civil | 51 |
| | | CSE | 16 |
| | | ECE | 53 |
| | | EEE | 13 |
| | | Mech | 91 |
| 6. | 100% Attendance | Civil | 3 |
| | | CSE | 3 |
| | | ECE | 2 |
| | | EEE | 5 |
| 7. | Cultural Participation | Civil | 3 |
| | | EEE | 2 |
| | | Mech | 2 |
| 8. | Internship Undergone by Students | CIVIL | 52 |
| | | CSE | 70 |
| | | ECE | 43 |
| | | EEE | 15 |

## PLACEMENT RECORD- 2022-2023

| S.No | Name of the Company | No. of Students Placed |
|---|---|---|
| 1. | Centizen | 2 |
| 2. | Infiniti Software | 3 |
| 3. | TCS-NQT | 3 |
| 4. | Cognizant | 8 |
| 5. | Amphenol Omniconnect | 20 |

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| 6. | ZOHO Corp | 1 |
|----|-----------|---|
| 7. | Sri Moogambika | 1 |
| 8. | ANB Systems | 7 |
| 9. | Pinnacle Infotech Solutions | 3 |
| 10. | Joy Technologies | 16 |
| 11. | Appasamy Associates Pvt ltd | 7 |
| 12. | Namlatech India Pvt Ltd | 3 |
| 13. | Ridh Engineering | 3 |
| 14. | Gencor | 8 |
| 15. | YAMAHA Motors Pvt. Ltd. | 17 |
| 16. | VINTORIX (Webberax) | 11 |
| 17. | PranionPvt Ltd | 2 |
| 18. | Technologics Global Projects & R&D Lab | 6 |
| 19. | Maventic Innovative Solutions, Bangalore | 2 |
| 20. | KSD ECO AURA LLP, Tiruppur | 7 |
| 21. | Propel / ChellsonsPvt. Ltd, Sivakasi | 15 |
| 22. | Srimax | 1 |
| 23. | AiimTech Software Solutions | 4 |
| 24. | HandBuildApps | 10 |
| 25. | QSpiders | 13 |
| 26. | Mitsogo | 2 |
| 27. | Delphi TVS Technologies | 13 |
| 28. | OneYes InfoTech Solutions, Chennai | 2 |

| S. No. | Department | Total Strength | Placed Students | Higher Studies | Entrepreneur | Placement Percentage |
|--------|-----------|----------------|-----------------|----------------|--------------|----------------------|
| 1. | CIVIL | 07 | 07 | - | - | 100 |
| 2. | CSE | 62 | 59 | 2 | 1 | 100 |
| 3. | EEE | 27 | 27 | - | - | 100 |
| 4. | ECE | 48 | 48 | - | - | 100 |
| 5. | MECH | 36 | 32 | 2 | 2 | 100 |

## FUTURE PLAN

### NBA accreditation

AAACET received the most prestigious accreditation from the NBA for the fourprogrammes like CSE, ECE, EEE, and Mech for a period of three years, that is, up to June 30, 2026. It's waiting with all the details needed for the NBA committee to get accredited for the CivilDepartment.

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## Increased intake

In the academic year 2022-2023, AAACET received an approval from AICTE and Anna University for increasing the number of intakes for the B.E. CSE programme from 60 seats to 120 seats. The next academic year, the intake strength will be further increased from 120 seats to 180 seats.

## New UG programmes

During the academic year 2022-2023, AAACET received an approval from AICTE and Anna University to introduce the following three new programmes:

- B.E. CSE (Cyber security)
- B. Tech (Artificial intelligence & Data science)
- B. Tech (Information Technology)

## New PG programmes

This year, AAACET is going to introduce the new postgraduate programme, M.E. Computer Science and Engineering.

## Expansion of Research Centres

In the academic year 2022-2023, the Department of Mechanical Engineering has been recognised as a research centre under Anna University.Currently, seven scholars are pursuing PhD under the research center.

In the academic year 2022-2023, the Department of Computer Science Engineering has been recognised as a research centre under Anna University. Presently, four faculty members have registered PhD to pursue it under the research center.
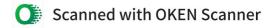
With these recognitions, M.E. graduates can also join AAACET to start their PhD in both full-time and part-time modes.

## New Centres of Excellence

AAACET was approved by the Ministry of Micro, Small & Medium Enterprises as the Technology Business IncubationCenter/ Host Institutions (HI) in the year of 2024.In this scheme, Government of India is providing an opportunity to the innovators in nurturing their new innovative ideas for the production of new innovative products which can be sent into the market for commercialization. Financial support up to Rs. 15.00 lakh will be provided to the Host Institute for nurturing an idea. Centre of Excellence in Project Management was inaugurated on

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20th March 2024. The centre conducts courses for students on planning and scheduling of projects using Primavera Software.Centre of Excellence for Youth Empowerment conducts many CSR activities and through Atos Prayas Foundation, Microsoft Power BI Data Analyst course is conducted for the students.

## NIRF

The MHRD authorised the National Institutional Ranking Framework (NIRF), which was launched by the Honourable Minister of Human Resource Development on September 29, 2015. This framework provides a system for ranking institutions across the country. Our AAACET took part in the NIRF ranking in 2023 and 2024.

## Permanent Affiliation

The college was established in 2013. It has completed ten years and is now in its eleventh year of advancement. So far, it has obtained ISO, NAAC, and NBA accreditation. AAACEThas applied for permanent affiliation with Anna University.

## Autonomous Status

According to the saying, "There is no limit to progress", AAACET is working in parallel to gain autonomous status. The college will shortly achieve a status of autonomy.

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