

A.V.C. COLLEGE OF ENGINEERING MANNAMPANDAL,

MAYILADUTHURAI

28th College Day: 26.03.2024

ANNUAL REPORT 2023-2024

Distinguished Chief Guest, **Hon'ble Justice**

Mr. K. Venkataraman, Judge- Administrator, A.V.C Institutions, Director of AVC College of Engineering, Principals, Director and Staff members of Sister Institutions, HoDs of various departments, Sincere and dedicated teaching, Supporting and Administrative staff members, Parents' Guests, Special invitees, Members of the press and media and my dear students, Good Afternoon to all present here.

With great pleasure I, **Dr.C.Sundar Raj**, Principal, A.V.C. College of Engineering, present the Annual Report for the academic year 2023 – 2024.

The well known Anbanathapuram Vahaiyara Charities was established in the year 1806 by the philanthropic families of Anbanathapuram, Enathimangalam, Kanganamputhur, Karukudi and Pallavarayanpettai.

To promote technical education in this rural area, A.V.C. College of Engineering was started in the year 1996 with the vision of providing higher technical education to the students living in the Mayiladuthurai District. The institution is now administered by **Hon'ble Justice Mr. K. Venkataraman, Judge- Administrator**, A.V.C Institutions,

From the inception, our institution is growing from strength to strength offering seven popular UG courses and two PG programs namely MBA and MCA. MCA, Mech and Chemistry departments are recognized by Anna University as Research centres to offer Ph.D.

This college has more than 30 acres of land in an ever green atmosphere. It has individual spacious block for each departments with a total built up area of about 30,000 square meters.

It has ISO certification by DNV, Netherlands from February 2003 and the status is maintained till now. National Board of Accreditation (NBA)

accredited four departments namely Electronics and Communication Engineering, Electrical and Electronics Engineering, Mechanical Engineering and Computer Science Engineering for three years from 2022.

National Assessment and Accreditation Council (NAAC) reaccredited our institution with B++ grade in second cycle. Renewal of the status in third cycle is under process.

The Institution received District green champion award with cash prize of Rs.1,00,000/- this year in second consecutive time from Tamilnadu Pollution Control Board through the District Collector, Mayiladuthurai.

Apart from regular academic role, the institution is concentrating more in R & D activities and faculty developments.

Through the research centre of MCA and Mechanical Engineering 20 and 15 scholars are pursuing their Ph.D in part time mode respectively. One scholar from MCA and three scholars from Mechanical have been awarded Ph.D in this academic year.

Each department is equipped with state of the art laboratory. However Rs.31,15,443/- worth equipments are added during this academic year.

The institute is having well organized computer laboratories with 560 systems and Wi-Fi enabled 300 MBPS internet connectivity.

The institute has separate hostels for girls and boys with a capacity of 200 & 150 accommodations respectively.

The library has sixty one thousand and fifty two (61,052) volumes of books, twenty six thousand and two hundred and twenty three (26,223) titles of books worth about 1.41 crores. 2968 CDs, 72 reputed journals (National Journals) and e-journals including 271 Springer online journals for a subscription of Rs.2,40,000/-. Apart from that the institute also subscribes many e-journals like IEI, ISTE, DELNET (Pro-Quest), N digital and CSI. This academic year, an amount of Rs. 5,87,122/- was spent for the purchase of books and periodicals.

National Digital Library of India (NDLI) is a virtual repository of 60 types learning resources like books, articles, manuscripts, video lectures, thesis, etc. Our college holds membership in NDLI; through that, NDLI Club members can access a vast repository learning resources, from anywhere and at any time. The NDLI club of our institution organized 12 different programmes during the year 2023-2024, around 99 staff and all students got benefited.

The Campus has the facility of HT service with 500 kVA Transformer, and also has 125, 160 and 500 kVA diesel generators. They provide a total power back-up of 785 kVA. In addition, one 10 kVA roof top solar power plant is available at the administrative block.

The institute has a Bio Gas Plant of 10 cubic meter capacity to produce cooking gas using night soil and kitchen waste in addition to 1000 LPD solar water system along with iron removed RO water system at student home. Totally the institution is having 5 - RO plants to cater the drinking water for our staff and students.

This College now offers seven under graduate Degree Programmes and Two PG Programmes as follows:

1. Mechanical Engineering.
 2. Electronics and Communication Engineering.
 3. Computer Science and Engineering.
 4. Information Technology.
 5. Instrumentation and Control Engineering.
 6. Civil Engineering.
 7. Electrical and Electronics Engineering.
1. Master of Business Administrations (MBA).
 2. Master of Computer Applications (MCA).

Out of which, six programmes are having permanent affiliation with Anna University.

It is our pride that we have 1,496 students currently on roll. Among them 1268 are UG Students and 228 are PG students and 42% of the total strength are girl students. To sustain them with academic vigor, there are 99 Teaching faculties including Librarian, Physical Director, Placement Officer and 98 Non-Teaching staff and Transport Staff.

To support higher education with a mission to provide scholarships to exceptionally bright students who have serious financial constraints, we are supporting our students to get scholarships from government and non-government organizations.

- ❖ For the academic year 2023-2024 totally 1085 students got benefited by the state government scholarship scheme with a **total financial aid of Rs 2,51,01,124**. Out of which, 598 students under the category of BC/MBC received an amount of Rs. 29,23,124/-, 156 students under the category of SC/ST received an amount of Rs.93,43,000/-, 286 students under the category of FG received an amount of Rs.1,04,75,000/- and 45 students under the category of 7.5% Govt school scholarship scheme received an amount of Rs.23,60,000/-.
- ❖ 17 girl students are getting an amount of Rs.1000/- per month for the academic year 2023-2024 under Pudhumai Pen Scheme by the Government of Tamilnadu.
- ❖ FFE (Foundation for Excellence) is an international scholarship to help exceptionally talented but economically underprivileged students in India to pursue their higher education. From the year 2018 onwards, we are motivating the students to apply FFE and up to this year, 14 students got benefited through this scholarship and every year they got Rs.40,000 as scholarship till their entire period of study.

Now, I present student's performance in the Anna University end semester examinations.

Even semester – April- 2023

- ✓ Overall pass percentage of UG students – 54%
- ✓ Overall pass percentage of PG Students –87%

Odd semester - Nov – 2023 Results are awaited

The 23rd graduation day of the A.V.C. College of Engineering was held on 16.03.24. Totally, 390 graduands (both UG and PG) were awarded degree in this academic year 2023-24. Among them, 3 graduands from PG and 2 graduands from UG have obtained Anna University Ranks. We express our sincere thankfulness to the Administrator for greeting them with 8 grams of gold coin and gold medal. All the graduands of our college received their degree from our Hon'ble Justice Mr. K. Venkataraman, Judge- Administrator, A.V.C Institutions.

I am very proud to present the achievements of our faculty members.

- ❖ 33 Faculty members have produced 100% results in the Anna University examinations held during the last two semesters.
- ❖ 3 Faculty members namely, Dr. P.Sendilganeche, Assistant Professor of Mechanical Department Dr.M.Devisinandhini, Assistant Professor of CSE, Dr.R.Renukadevi, Assistant Professor of MBA, have completed their Ph.D degree during this Academic year.
- ❖ **Dr. S. Selvamuthukumar**, HOD/MCA received financial grant of Rs.3,50,000/- from AICTE for ATAL Sponsored Faculty development Programme and successfully conducted from 18.12.2023 to 23.12.2023. He and Dr. N. Dhanasekar Prof /EEE were the evaluators for the Innovation Contest 2023-24 organized by School Innovation Council, Ministry of Education, New Delhi in February 2024.
- ❖ Under the supervision of **Dr. G. Pradeep, Prof/MCA**, 2 research scholars were awarded PhD during this academic year.
- ❖ Under the supervision of **Dr. P. Balasubramaniyan, Prof/Mech**, 2 research scholars were awarded PhD during this academic year.
- ❖ **Dr.M.Latha**, Associate Professor, Department of EEE, Received financial assistance of Rs.2,05,000/- under faculty research scheme from Tamilnadu State Council for Science & Technology, Chennai.& Received Active SPOC Appreciation Award and Motivational learner

recognition from NPTEL Forum and also received appreciation certification for outstanding contribution to IIT Spoken Tutorial.

- ❖ **Dr.V.Padmavathi**, Associate professor, Department of Information and Technology, Received the seminar grant of Rs.1,25,000 /- from ICSSR for organizing a National Seminar on “Securing Societal Welfare in the Digital Age: A Social Science Perspective on Cyber Security Challenges in India”, 2023.
- ❖ **She also** Received a seminar grant of Rs. 30,000/- from DRDO for organizing a National Seminar on “Securing the Digital Frontier- Navigating Cyberspace Challenges in National Security”, 2024.
- ❖ **Lieutenant. Dr. M. Umamaheswari**, Assistant Professor, Department of S&H, attended EBSB Camp at udaipur, Rajasthan, from 04 january to 15 january 2024.
- ❖ 41 papers have been published in various National and International Journals by our staff members in this academic year.
- ❖ 59 papers have been presented in various National and International conferences by our staff members in this academic year.
- ❖ 23 Workshops have been attended by our Faculty members from UG and PG departments.
- ❖ 42 faculty members from UG and PG departments have attended 102 Faculty Development Programmes.
- ❖ 11 faculty members have published 10 books in their area of expertise.
- ❖ Out of 108 faculty members 57 faculties hold Ph.D degree.
- ❖ 25 faculty members are pursuing and doing Research Work
- ❖ I also take much pleasure in bringing to your kind notice that we posses, lot of skilled resources in the academic arena and hence 20 of our faculty members extended their services as Resource person in 26 reputed Educational Institutions.
- ❖ 12 faculty members of various departments are reviewers/editorial board members for reputed journals.

I now present the achievements of our students

- ❖ 429 Students had participated in various seminar /symposium / workshops / technical events /conferences conducted by other Engineering colleges. 30 students have published their papers in reputed journals.
- ❖ 122 of our students had undergone In-plant training in various reputed companies.
- ❖ Our college students had visited different industries like, KITEX garments, Ernakulam, Tracho cable company limited, Kerala-Electricals, Seablue Ship yard, AVT natural Products, Kerala, Puducherry Power corporation limited, Karaikal, TEXMO & AQUATEX and Gedee Car Museum ,Coimbatore and Homewood Tea Industry, Ooty.
- ❖ Five teams from CSE, ECE, IT, MCA had participated in the Grand Finale of AICTE - SMART INDIA HACKATHON at various nodal centers Assam, Jaipur, Bhopal, Amravati and Mysuru during 19/12/23 to 20/12/23 . A.V.C College of Engineering is representing in this mega event consecutively for the 6th time, since 2017. In the previous years, 2020 and 2022 – Two teams have won the cash prizes and awards.
- ❖ Mapathon, A National Level collaborative Indian Geospatial Mapping Event is a map making competition for creating thematic maps, using open source data and mapping software. In the mapathon competition 3 teams were winners, 11 teams got notable participants, and 14 teams were recognized by the FOSSEE team at IIT Bombay.
- ❖ NIRAL THIRUVIZHA was launched by our Chief Minister, to trigger an innovation mindset among the final year student community which in turn will develop the skills of our students across various sectors. Totally 50 teams submitted the proposals from our college. Out of these, 4 teams from Mechanical, ECE, CSE and EEE were selected

for next level. For each team grant of Rs.10, 000 /- is awarded to develop their innovative solutions.

- ❖ 16 students from UG departments appeared for the GATE examinations 2024 and two students from ECE and CSE has obtained GATE score more than cut off marks.
- ❖ In Kalaingar Nootrandu Vizha state Level elocution competition, A.Abinaya II MCA, A.Lakshmisri I year IT and R. Abinaya III EEE, have won cash prize of Rs.18,000/-.
- ❖ Wall magazine competitions conducted by Electoral Literacy Club in the title “Importance of Voting”, the students T.Saiful Islam IV Mech, S.Deepika II MCA, R. Rathna sri II ECE and V. Sahana.V II IT have won prizes and awards.
- ❖ S.Ajaykumar II CSE has won the III place in Power lifting and 8th place in Body building in Open state level Championship 2024.
- ❖ R. Devaprasad of III Year ECE student received Bronze medal for Chief Minister Trophy in Silambam State Selection conducted by Sports Authority of India, Mayiladuthurai.
- ❖ D.Yugesh III CSE got first place with cash award in ARINGAR Anna Long Distance Competition- 2023 organized by Tamilnadu Sports Development Authority.
- ❖ P. Akash IV Civil participated Anna university Inter Zone Archery tournament and got selected in Anna university Archery team.
- ❖ Our College Chess women’s team S.Abirami III ECE, G.Harini III ECE, S.Aiswarya III ECE, G.Anjal Roshini Mary III IT, M.Hasini III IT, G.Renuga III MECH have won Runner-up for Anna University Zone-15 Tournament organized by University College of Engineering Thirukuvalai.
- ❖ Our College Men’s Cricket team and Ball badminton team got III place in Anna University Zone-15 Tournament.

- ❖ Our college Men's Volley ball team, Kabaddi team and Women's Badminton team have entered into the Quarter final level in Anna University Zone-15 Tournament.
- ❖ Our College Students participated in Marathon race organized by Tamilnadu Pollution control board, Mayiladuthrai and Vanam Voluntary Organization.
- ❖ Our college Students also participated in Food Awareness Marathon Race organized by Tamil Aran Organization Chennai.

I now present the various club activities organized by our institution

- ❖ Our college placement cell organized 8 on-campus drives and 3 off-campus drives for the final year students. 181 students were placed in 13 companies. Major recruiters are Immergro Technologies, ExcelR Edtech, Karur Vysya bank, GK Power Expertise, Muthoot Group, Kaynes Technology, Aqua Sub, Calizone Calibration Centre, Syscom Automation, Foxconn India and Mechatron Calibration, Snipe Engineers and JBM.
- ❖ Aptitude training program were conducted for the final year students by Mr. B. Vinoth for the enhancement of Aptitude skills of students in on- campus and off-campus drives.
- ❖ 22 final Year students are selected for paid internship in various Industries.
- ❖ Institution's Innovation Council (IIC) of our college conducted 43 different events for the benefit of students and faculties. It is awarded with three star rating by Innovation Cell, Ministry of Education, Govt. of India.
- ❖ Our institution had started the AVCCE NPTEL Local chapter in the year 2021. Dr. M. Latha, ASP/EEE as SPOC and received active SPOC in July 2023 session. Since the inception, our Local chapter has consistently motivated our students and faculty to enroll for NPTEL certification courses. As an outcome, our institution is

recognized as exam partner from July 2022 and also recognized as active local chapter. There are 818 enrolments in January-April 2023 examinations. 606 enrolments in July-December 2023 examinations and 338 enrolments and out of which 90 registrations in January-April 2024 examinations.

- ❖ Our college is in Association with Spoken Tutorial Program, IIT Bombay and MOU signed as Academic Partner with IIT Bombay Spoken Tutorial. We are making an outstanding contribution of using ICT based teaching and learning methodology for students of our College. Till now we had conducted 216 online training courses and 7577 participants got benefited from Spoken tutorial from March 2018.
- ❖ On behalf of Science Club, Srinivasa Ramanujam Birthday and National Mathematics Day was celebrated and quiz programme was conducted for I year students.
- ❖ Our college ED cell organized 15 various programmes and totally 262 participants have got benefited by these programmes. They also conducted a College Bazaar 2023 and various Entrepreneurship Day Celebrations to motivate the students.
- ❖ Our College IPR cell organized series of programmes for awareness and patent drafting by Dr.A.Ravi, HOD-EEE. 9 patents have been filed and published.
- ❖ The student's chapter IIPE of Department of Mechanical engineering has conducted various programmes like guest lecture, Technical paper presentation, quiz and 150 students got benefited.
- ❖ IIPE has conducted a guest lecture on "Sustainable energy systems by Dr. V. Praveena, Asst.Prof, SRM Institute of Science and Technology, Kattankulathur Chennai.- 112 students got benefited.
- ❖ Enfuse Students Chapter also conducted a programme entitled CAD / CAE and IT Software's by CADD Centre Training services, Mayiladuthurai. 50 students got benefited.

- ❖ The CSI Student Chapter (UG) of A.V.C. College of Engineering organized a 2-Days workshop on “Significance of Deep Learning in Artificial Intelligence and Webinar on ‘Industry 4.0 – Future of Work & Job Opportunities in IT and ITES’”. 130 students and 28 faculty members attended programmes.
- ❖ The IETE Students’ Forum in the Department of Electronics and Communication Engineering organized a Guest Lecture on “5G with Mobile ADHOC Networks and Machine Learning, IoT” on 17.11.2023. 10 faculties and 75 students got benefitted through this programme.
- ❖ ISOI student chapter of ICE department have organized E-Quiz, Student Induction Programme, Online Photography Contest and one Day technical Event “Sparkle Talent Hunt-2024”.
- ❖ Under Coimbatore Management Association, I MBA and II MBA students has attended 15 Online Programmes from January 2023 to December 2023.
- ❖ Coding club of MCA department conducted symposium and workshop through online platforms for the benefit of the 117 students.
- ❖ Women Empowerment Cell of A.V.C College of Engineering, Mayiladuthurai celebrated the International Women’s day on 8th march 2023 in grand manner. Women’s day address was given by the Chief Guest Mrs. Sangeetha Jayaraman, Natural Therapist, Aram Accupuncture, Kumbakonam titled “Impact of Hygiene on Women’s Health”. WEC conducted various competitions for students, teaching, and non-teaching faculty members. Cookery competition entitled “Green Leaves and Millets for a nutritious Diet” conducted for the students and our honorable Judge Administrator inaugurated the competition.
- ❖ Our Fine arts club students exposed their talents in Wall Magazine Competition - Poster form conducted by Electoral Literacy Clubs and won various Prizes. Around 213 students participated in various events.

- ❖ Our college fine arts club students secured 3 prizes in Kalaigiar Nootrandu Vizha State Level Elocution Competitions and bagged Rs.18,000/- cash prize.
- ❖ Our yoga club conducted 9th International yoga Day Celebrations for the students and staff on 21.06.2023 by Mr.R. Sankar, Statistical Inspector, Tamil Nadu, Heartfulness Yoga Centre District coordinator Mayiladuthurai.

I now present the various programmes organized by our institution

- ❖ We have organized 47 guest lectures, 8 Workshops and various programmes for the welfare of students and staff members.
- ❖ A.V.C. College of Engineering celebrated **9th International yoga day** on 21st June 2023. Teaching and Nonteaching faculty members and a group of students participated. Mr.R.Sankar, District Co-ordinator, Heartfulness Yoga Centre, Mayiladuthurai and Mr.V.Poyyamozhi, Zonal Co-ordinator Heartfulness Yoga Centre, Thanjavur were the Invited guests and demonstrated the Yoga Postures on that day.
- ❖ **77th Independence Day** was celebrated in our college and Honorable Justice. K. Venkataraman, Judge Administrator, A.V.C Institutions hoisted the National Flag and delivered the Independence Day address.
- ❖ **56th Engineers day** was celebrated on 15.09.2023 with the theme of “Engineering Innovation for a More Resilient World”. Dr.A.Kaviyarasu, Assistant Professor, Division of Avionics, Department of Aerospace Engineering, MIT Campus, Chennai was the chief guest of the day.
- ❖ **75th Republic Day** was celebrated in our college and Honorable Justice. K. Venkataraman, Judge Administrator, A.V.C Institutions hoisted the National Flag and delivered the Republic Day address.
- ❖ All the passed out students are members of AVCCE Alumni Association. I am proud to say that the alumni can make the flag of AVCCE fly high in all the segment of industries Nationally &

Internationally. Many guest lecture programs were delivered by our alumni on different areas.

- ❖ **ALUMNI MEET 2023** for commemorating the 28th year of college inception was celebrated in A.V.C. College of Engineering, Mayiladuthurai with great enthusiasm on 16th December 2023 in College premises. Nearly 68 Alumni from various parts of the country and abroad participated in the Programme and shared their views. From each department, two alumni were honored with “Best Alumni contribution award-2023” and “Best alumni Entrepreneur award-2023”.
- ❖ Our College NSS units are successfully functioning with the co-ordinators Dr. R. Subash, AP-S&H for Unit-I, and Mr. S.Pasupathiraja, AP-ECE for Unit-II. The regular and special camp activities were mainly focus on the theme of “Healthy Youth for Healthy India”.
- ❖ Our College NSS, YRC and RRC units had organized a Blood Donation camp and collected more than 85 units of blood from staff & Students in our College through, Govt. Hospital Mayiladuthurai on 12.07.2023.
- ❖ Our students and staff members donated around 5971 units of blood since 2003.
- ❖ The National service scheme of A.V.C. College of Engineering was conducted by special camp from 15.03.2023 to 21.03.2024 at melaiyur and karuvazhakkurai villages, Tharangambadi taluk, Mayiladuthurai.
- ❖ NSS special camp inaugurated by Our Honorable Justice K.Venkataraman, Administrator, A.V.C Institutions, by waving the flag and distribute the yellow bags to the public to create awareness about the environmental impact of using plastic bags.
- ❖ A medical Camp was organized with Lions Club of Mayiladuthurai at Nataraj Aided Middle School, Melaiyur. Dr. Balavenkatesh, MBBS, provided the free medical advice and Medicine to the public. In

Addition Eye Camp and Veterinary camp organized at Karuvazhakarai village.

I owe my indebtedness to the Honorable Administrator for his continual counsel, guidance and motivation which inspired us to a greater extent. The kindhearted approach, Positive attitude and Problem solving skills of him always encourage and boost our Morale by enabling us to put more hard work.

The collective wisdom of our philanthropist has been steering this valued educational institution to greater heights and I am optimistic that AVCCE is marching towards the center of excellence in this part of the nation. It is my duty to express my whole hearted thankfulness to our respected Administrator for his encouragement and constant support to face the academic and administrative challenges.

In this juncture, I express my immense gratitude to the invitees, Director, HODs, Recruiters, Alumni, Teaching, Non teaching staff, parents, students, media and to all who have contributed to the successful growth of this college. And I look forward the same support in future too.

Have a Pleasant Day! Thank You!