

AVC COLLEGE OF ENGINEERING
MANNAMPANDAL, MAYILADUTHURAI
17th College Day: 11-04-2013

ANNUAL REPORT 2012-2013

Distinguished Chief Guest Mr.S.Sugumar, Chief Manager, CIPET, Chennai, Respected Chairman, Respected Secretary, Beloved Treasurer, Members of the Board of Management, Respected members of AVC Family, Principal and staff members of sister Institutions, Sincere and dedicated teaching, supporting and administrative staff members, parents, guests, Special invitees, Well-wishers, Respected members of the society, Donors, Members of the press, Citizens of Mayiladuthurai, and my dear students, I wish you all a very pleasant morning.

With great pleasure I present the Annual Report of this academic year 2012 – 2013.

I am very proud to present the history of A.V.C Institutions. The well known Anbanathapuram Vahaira Charities was established in the year 1806 by the philanthropic families of Anbanathapuram, Enathimangalam, Kanganamputhur, Karukudi and Pallavarayanpettai. In the year 1955, A.V Charities started A.V.C College to provide service in the field of higher education.

AVC Polytechnic College was started in the year 1983, to promote technical education in this rural area and AVC College of Engineering was started in the year 1996, with the vision of providing higher technical education to the students living in Nagai District. AVC College of Engineering is the legacy of A.V Charities whose successive generations of founding fathers have been doing philanthropic service to the society in the last two centuries.

From the inception, this Engineering College is growing from strength to strength and has blossomed into Post Graduate Institution offering seven popular UG courses and five attractive PG courses.

This college has more than 30 acres of land in an ever green atmosphere. It has individual spacious block for each department with a total built up area of about thirty thousand square meter worth 12 crores.

With pleasure I inform you that AICTE has given approval to conduct two more post graduate programmes in engineering in the next academic year. They are

M.E – Computer Science and Engineering

M.E – Applied Electronics

Apart from that, it also has given approval for an additional intake of 60 seats, in the under graduate course of Mechanical Engineering.

The Department of Mechanical Engineering and the Department of MCA are recognized as research centers by Anna University, Chennai with effect from January 2013.

Our Institution has ISO certification by DNV, Netherlands from February 2003. I am happy to state that the DNV lead auditors conducted the recertification audit two months ago and extended its validity for three more years.

National Assessment and Accreditation Council (NAAC) has awarded 'B' grade certificate to this Institution and it is valid for five years from this year.

National Board of Accreditation (NBA) has given accreditation to
BE - Electronics and Communication Engineering,
B Tech - Information Technology and
Master of Computer Applications from the year 2012.

AICTE has granted Rs 6,00,000 for conducting Faculty Development Programme (FDP) on “ Eco Technology and Green Computing in Information Technology” and Rs.4,05,000 under Modernization and Removal of Obsolescence Scheme (MODROBs) on “E-learning and e-resource management under cloud computing” to Prof. G.Pradeep, HoD/ IT.

Recently, a sum of Rs. 50,000 was granted by AICTE to conduct a seminar on “Open Source Cloud Computing Solutions” to Dr.S.Selvamuthukumaran, Dir/ MCA & VP.

Dr.C.Sundarraaj, HoD/ Mechanical and Research Director has fetched Rs.65,000 from AICTE under travel grant to present a paper in an international conference called “SAE Power trains and Lubricants Meet” at Malmo, Sweden.

Centre for faculty Development, Anna university, Chennai had sanctioned Rs. 70,000 to Prof. G.Pradeep, HOD / IT for conducting an FDP on “Xml and web services” and it was conducted during the last semester from December 3 to 9.

Rs.1,40,000 has been sanctioned by Tamilnadu State Council for Science and Technology (TNSCST) to this Institution for organizing a training programme on “Capacity Building Measures for Industrial Needs”, for the final year engineering students of Nagapattinam District. It was conducted in two phases, around 400 students were benefited. This most important programme was well organized and co-ordinated by Prof.T.Anand, HoD/CSE and his team.

We have 125, 160 and 500 KVA diesel generators. They provide a total power back-up of 785 KVA power supply. Additionally we have 10 KVA solar power plant

We have one Bio Gas Plant to produce cooking gas using night soil and kitchen wastage.

Each department is equipped with state of the art laboratory. However 1.25 crore worth laboratory equipments are added recently to meet the technological advancement in the respective field.

We have well organized computer laboratories with more than 800 systems of latest configurations and all students are provided with unlimited computing facility. Ours is a Wi-Fi enabled campus with 16 MBPS internet connectivity.

We have separate hostels for girls and boys with a capacity of 200 & 150 accommodations respectively.

Library is the temple of any college and also a place for active learning. To satisfy the knowledge thirst of the staff and students, our library keeps nearly fifty thousand (46,564) volumes of books, worth Rs.1.27 Crore. We have 3501 CDs, 228 reputed journals and e-journals. This academic year, we have spent Rs.11.98 lakhs to purchase books and periodicals.

This College now offers seven under graduate Degree Programmes :

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

Five Post Graduate Programmes in:

8. Master of Business Administrations (MBA)
9. Master of Computer Applications (MCA)
10. M.Sc- Information Technology
11. M.Sc.- Software Engineering (5 Years Integrated Programme)
12. M.E (Energy Engineering)

And two new PG Programmes from next academic year

13. M.E - Computer Science and Engineering

14. M.E - Applied Electronics

It is our pride that we have 2080 students on roll. To sustain them with academic vigour there are 142 Teaching and 139 Non-Teaching staff.

Now I present student's performance in the Anna University examinations

Even semester – May 2012

✓ Overall pass percentage of UG students - 65.6%

✓ Overall pass percentage of PG Students - 74.9%

Odd semester - Nov - 2013

✓ Overall pass percentage of UG students - 63.4 %

✓ Overall pass percentage of PG students - 64.8 %

From the academic results, I am pleased to mention that our institution stands tall among the Self-financing Engineering colleges in TamilNadu.

37 students of our college got university ranks in Anna university examinations.

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

40 members have produced 100% results in the Anna University examinations held during last two semesters.

Prof Dr.S.Vijayaraj, has completed his Ph.D degree from National Institute of Technology, Tiruchirapalli

Prof Dr.R.Chinnayan, has completed his Ph.D degree from Anna University, Chennai.

I am a recognized supervisor for guiding research scholars of Anna University, and Vinayaga Missions University in the department of

Mechanical Engineering – one scholar has completed, one has submitted his thesis and two will complete within a year

Prof. Dr. S. Selvamuthukumar, Vice Principal is a **recognized** supervisor for guiding research scholars of PRIST University, and presently guiding two Scholars.

Prof. Dr. C.SundarRaj, has been recognized as a supervisor for guiding research scholars of Karunya University Coimbatore and Anna University, Chennai. Currently he is guiding 5 scholars.

Prof. Dr. T.Ramkumar, has been recognized as Supervisor for guiding Ph.D scholars of Anna University, and Sathyabama University, and at present he is guiding 5 scholars.

Prof. **Dr.T.Hemalatha** has been recognized as Supervisor for guiding Ph.D scholars of Bharathiyar University, Coimbatore and presently she is guiding two Scholars.

Prof. Dr.S.Mullainathan, has been recognized as Supervisor for guiding PhD scholars of Bharathiyar University, Coimbatore and presently he is guiding Five Scholars.

- I am proud to say that, 47 papers have been presented by our faculty members in various National / International Conferences
- 60 papers have been published in various National / International Journals.
- 125 faculty members have attended various National Conferences / Seminars / Workshops.
- 2 faculty members have published books in their area of expertise.
- 18 faculty members are pursuing higher studies and doing Research Work during this academic year 2012-13.
- I also take much pleasure in bringing to your kind notice that we possess, lot of skilled resources in the academic arena and

hence 13 of our faculty members extend their services as Resource person in various reputed educational institutions.

I now present the achievements of our students

- ISTE student chapter have organized 4 programs
- CSI UG Student chapter have organized 5 programs
- CSI PG Student chapter have organized 3 programs
- 708 Students have participated in various seminar /symposium / workshops / technical events conducted by other Engineering colleges.
- 32 students of final year IT presented their papers in International conference.
- 24 project proposals were sent to Tamilnadu State Council for Science and Technology.
- Our students had undergone In-plant training in various companies like HCL, Aircel, Aathithya Info media Solutions, Cosmo soft, NLC, BSNL, Chennai Petroleum Corporation limited, LANCO power company, Neyveli lignite corporation, L &T, HDFC Bank, TITAN, Exide Batteries, etc.
- Our students have visited different industries like U.S Technology, Infosys, Indian Institute of Management, ISRO, Hindustan Photo Films, Hykon India, Power Electronics, Siemens, Keltron Electronics, Dell International Corporation, Hindustan Aeronautics Ltd, Chips Software,

This college offers lot of opportunities to the students to engage them in co-curricular activities to improve their soft, interpersonal and technical skills. Our students have participated many programmes related to R & D, Road Safety, Aids awareness, First aid and others organized by various Educational institutions and organizations.

We have organized 2 conferences, 52 guest lectures, 1 symposium, 45 workshops, 12 club activities and 6 FDP for the welfare of students and staff members.

In this academic year, full-fledged training has been provided to all the final year students through FACE Academy. In addition to that, through ICTACT of Tamilnadu, Foundation skills training program was conducted to the pre final year students.

Apart from this, our institution has MoU with Surgeforth Technologies Private Limited for the training and recruitment process. Around 230 students are registered with it.

Several Programmes have been organized to the Pre-final and Final year students to improve their Communication, Group discussion and Aptitude skills to face the interviews. As a result of this 141 students were placed in various companies including MNC's. Still, our journey continues to achieve 100% placement in the forthcoming months.

All the passed out students are members of our Alumni Association. I am proud to say that the alumni make the flag of AVCCE fly high in all the segment of industries both Nationally & Internationally. The alma mater is encouraging alumni to visit our campus to impart training and other developmental activities to their juniours.

27 guest lecture programmes were delivered by our alumni on different areas like job openings for script writing, Android, Software Testing Tools, Web development using open source tools, java technologies, Aptitude training, Infosys Training and carrier Development, and cement manufacturing.

I am happy to announce that our college Men team Participated in the Anna University Tournament and secured the Positions of winners in chess and Badminton and secured third prize in Basket ball and Handball.

Our College women team participated in the Anna University Tournament and placed as winners and runners in Ball Badminton, Table tennis and Badminton.

Our college Men and women team participated in the Anna University Zonal Athletics Meet and placed as first in men section and placed as third in women section and for the first time we have secured overall championship with 153 points and fetched 18 gold medals, 10 silver medals and 5 bronze medals.

Our student K.V.Manobala of III CSE and R.Rakesh of I civil got Gold Medal in Anna University Inter Zonal Athletics Meet in the events of High jump and javelin.

K.V.Manobala of III cse got first place in Tamilnadu junior athletics championship, second place in junior state level Athletics meet and third place in State senior athletics championship in the event of high jump.

Our College Badminton team got first place in state level Inter college tournament.

2 mega blood donation camps were organized by YRC & RRC and around 300 units of blood were donated to Government Hospital, Mayiladuthurai and Tanjore Medical College Blood bank.

Our Management has Sponsored a 3 day Mega Free Health Camp for the welfare of all the teaching and non teaching members of all the three institutions with the help of Meenakshi mission Hospital, Tanjore.

Driving License camp was conducted with the support of Meikandar ITI for the third consecutive year and this year 165 students got benefited.

Women's day was celebrated as usual on March 8th with a Guest Lecture on "Penniyam". In connection with the day various competitions like dancing, Singing, Cookery, Craft Making, Mehandhi was conducted for our girls students and ladies staff.

Our students have participated in other college cultural competitions and won several prizes and one of our student S.Maniraj of mechanical department won a cash prize of Rs.7000 for his Tamil poem.

Our Yoga club members have participated and received merit certificates in a State Level Yoga competition for engineering colleges and our Yoga club has conducted 2 seminars with yoga experts.

Periodical Yoga training was given to all the students. Each department avails 3 days for their training.

Mr.Tomas Yoga Practioner, Bhuthapust, Hungary had given a half day seminar to our yoga club members.

We are successfully operating 14 buses, to various places like Chidambaram, Kumbakonam, Thiruvapur, Kuttalam, Mangaimadam, Poombukar, Manalmedu, Thirukadaiyur, Porayar and Mayiladuthurai for the benefit of students and faculty members.

The three NSS units of our college had carried their regular activities for 120 hours during this year. The activities includes Blood donation camp, NSS Orientation Programme, NSS day, Road safety week, Women's Day celebration, Blood and Eye donation awareness rally and campus cleaning.

The special camp for this year was conducted at three adopted villages viz., Kalahasthinapuram, Madapuram and Aarupathy. The following activities were carried out during the special camp.

- Renovation and cleaning of temples, roads and water tanks.
- Cleaning the Streets of the adopted villages.
- Medical Camp
- Yoga and Meditation Class
- Tree Plantation
- Censes taken for education and economic status of village people.

- Training programme for women's self help group to carry out DTP work and mushroom growth.
- Water Tank Cleaning
- White Washing School building.
- Awareness Program about AIDS, Blood Donation, Eye Donation.
- Awareness program for the importance of Natural agriculture.

Various NSS Programmes have been organized for the benefit of students like Career Guidance, NSS Orientation, Energy conservation & Consumer awareness.

Our college has celebrated Independence Day and Republic Day. Our 17th Annual Sports Day was conducted on 7th April 2013 with Mr.Sunil Subramanian, chief coach Tamilnadu under 19 cricket team & former Ranji team captain as Chief Guest.

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

The collective wisdom of our Management 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 thanks to our respected chairman Mr. J.Manikandan, Secretary Mr. C.Senthilvel, Treasurer Mr. S.Sugumar and members of the Board of Management. Because they inspired, encouraged, advised, helped and co-operated with me to face the academic and administrative challenges.

At this juncture, I express my immense gratitude to the management, Teaching and Non teaching staff, and to all who have contributed to the

successful growth of this college. And I look forward the same support in future too.

You! **Have a Pleasant Day! Thank**

A.V.C COLLEGE OF ENGINEERING
MANNAMPANDAL, MAYILADUTHURAI
18th College Day: 18-04-2014
ANNUAL REPORT 2013-2014

Distinguished Chief Guest **Prof. (Dr.) P.Vanangamudi, Vice-Chancellor, the Tamilnadu Dr.Ambedkar Law University, Chennai**, Most Respected Secretary and Chairman i/c Thiru. S.Sugumar, Venerable members of the Board of Management, Respected members of AVC Family, Principal and staff members of sister Institutions, Sincere and dedicated teaching, supporting and administrative staff members, parents, guests, Special invitees, Well-wishers, Respected members of the society, Donors, Members of the press, Citizens of Mayiladuthurai, and my dear students, I wish you all a very pleasant morning.

With great pleasure I **Dr. C. Sundar Raj**, present the Annual Report of this academic year 2013 – 2014.

I am very proud to present the history of A.V.C Institutions. The well known Anbanathapuram Vahaiyara Charities was established in the year 1806 by the philanthropic families of Anbanathapuram, Enathimangalam, Kanganamputhur, Karukudi and Pallavarayanpettai. In the year 1955, A.V Charities started A.V.C College to provide service in the field of higher education.

AVC Polytechnic College was started in the year 1983, to promote technical education in this rural area and AVC College of Engineering was started in the year 1996, with the vision of providing higher technical education to the students living in Nagai District. AVC College of Engineering is the legacy of A.V Charities whose successive generations of founding fathers have been doing philanthropic service to the society in the last two centuries.

From the inception, this Engineering College is growing from strength to strength and has blossomed into Post Graduate Institution offering seven popular UG courses, seven attractive PG courses and is recognized now as Research Institution.

This college has more than 30 acres of land in an evergreen atmosphere. It has individual spacious block for each department with a total built up area of about thirty thousand square meter worth 12 crores.

Our Institution has ISO certification by DNV, Netherlands from February 2003 and the status is maintained till now.

National Assessment and Accreditation Council (NAAC) has awarded 'B' grade certificate to this Institution in the year 2013.

National Board of Accreditation (NBA) has given accreditation to

B.E - Electronics and Communication Engineering,

B. Tech - Information Technology and

Master of Computer Applications from the year 2012.

AICTE approved 2 new PG courses, one each in CSE and ECE departments and sanctioned an additional intake of 60 students in Mechanical Engineering Department from this academic year.

The Department of Mechanical Engineering and the Department of MCA are recognized as research centers by Anna University, Chennai with effect from January 2013 for doing collaborative research in Ph. D and M.S (Research) streams. 4 scholars in Mechanical department and 3 Scholars in MCA department are pursuing research work in part time mode and one scholar in Mechanical department in full time mode. Apart from that 5 scholars are utilizing our research center for their course work.

His Excellency the Governor Chancellor has nominated the Principal of AVC College of Engineering, Mannampandal, Mayiladuthurai as a member of the Academic Council, Anna University, Chennai under class II Other members [b] of the Anna University, Statute 9 of Schedule II of the Anna University Act 1978 (as amended in Tamilnadu University Laws [Amendment & Repeal Act 2011) for a period of three years, from the date of constitution of the Academic council.

Apart from regular academic role, the institution is concentrating more in R & D activities and faculty development also. Financial assistance from various funding agencies for a tune of Rs 37, 92,500 was fetched in the year 2013-14 for this purpose.

ISTE has granted Rs 1, 00,000 for conducting Faculty Development Program (FDP) on "Big Data Analytics with Data Mining - New Opportunities and Challenges" to Dr. T. Ramkumar, Professor / MCA.

Centre for faculty Development, Anna University, Chennai had sanctioned Rs 90,000 for conducting Faculty Development Program (FDP) on “Advanced Java Programming” to Dr. S. Selvamuthukumar, Director / MCA & Vice-Principal of our College.

Centre for faculty Development, Anna University, Chennai had sanctioned Rs 80,000 for conducting Faculty Development Program (FDP) on “Data warehousing and Data mining” to Dr. S. Selvamuthukumar, Director / MCA & Vice-Principal of our College.

Prof.G.Pradeep, Head of the department /IT, fetched Rs. 6 Lakhs from AICTE and organized the Faculty Development Program on the theme of “Eco Technology and Green Computing in IT”, and 51 staff members from our and other institutions were benefited.

Prof.G.Pradeep, Head of the Department /IT received Rs.4, 05,000 under MODROBS grant from AICTE to modernize the IT department Laboratories.

Dr. S. Vijayaraj , Professor/Mech , fetched a grant of Rs.24,75,000/- under RPS (Research Promotion Scheme) from AICTE in this year for his research topic “Characterization of dual fuel diesel engine with Syngas obtained from fluidised bed gasification of garden waste with oil gas washing(OLGA) Process using Jatropha methylester and multiwalled carbon nanotube (MWCNT) for tar removal”.

TamilNadu State Council for Science and Technology sanctioned Rs.42, 500 for the B.E student projects for various titles, guided by Prof. G. Pradeep, HOD/ IT, Dr. R.Chinnaiyan, Assoc.Prof./IT, Mrs.K.Krishnakumari, Assoc.Prof./CSE, C.Jayasri, Asst.Prof./ECE and L.Srisuba, Asst.Prof./ CSE.

We have 125, 160 and 500 KVA diesel generators. They provide a total power back-up of 785 KVA power supply. Additionally, we have 10 KVA solar power plant to meet out the power requirement for our Administrative block.

We have one 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.

Each department is equipped with state of the art laboratory. However laboratory equipments worth about 91.32 lakhs were added recently to face the technological advancement in the respective field.

We have well organized computer laboratories with more than 865 systems of latest configurations which include 20 work stations and all students are provided with unlimited computing facility. Ours is a Wi-Fi enabled campus with 16 MBPS internet connectivity.

We have separate hostels for girls and boys with a capacity of 200 & 150 accommodations respectively.

Library is a place to connect, to share, to grow and help others expand their horizons. To satisfy the knowledge craving of the staff and students, our library keeps nearly fifty thousand (48,572) volumes of books, worth Rs.1.36 Crore. We have 3,625 CDs, 236 reputed journals and e-journals. In this academic year, an amount of Rs.13.64 lakhs had been spent to purchase books and periodicals.

This College now offers seven under graduate Degree Programmes:

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.

Six Post Graduate Programmes in:

1. Master of Business Administrations (MBA).
2. Master of Computer Applications (MCA).
3. M.Sc - Software Engineering (5 Years Integrated Programme).
4. M.E - Energy Engineering.
5. M.E - Computer Science and Engineering.
6. M.E - Applied Electronics.

It is our pride that we have 2,197 students on roll. Among them 1,768 are UG Students and 429 are PG students. To sustain them with academic vigor there are 143 Teaching faculties, and 146 Non-Teaching staffs.

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

Even semester – May 2013

- ✓ Overall pass percentage of UG students – 57.7%
- ✓ Overall pass percentage of PG Students – 73.6%

Odd semester - Nov - 2013

- ✓ Overall pass percentage of UG students - 54.9%
- ✓ Overall pass percentage of PG students - 58.1%

49 students of our college got university ranks in Anna university examinations.

From the academic results, I am delighted to mention that our institution stands tall among the Self-financing Engineering colleges in Tamil Nadu.

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

37 Faculty members have produced 100% results in the Anna University examinations held during last two semesters.

Recently Dr. K. Jaganathan of MBA department has completed his PhD degree from Bharathiyar University, Coimbatore.

I am recognized as a supervisor for guiding research scholars of Anna University, Chennai and Karunya University, Coimbatore. Currently 6 scholars are pursuing PhD under my guidance.

Prof. Dr. S. Selvamuthukumar, Vice Principal is a recognized supervisor for guiding research scholars of PRIST University & Bharathiyar University, and presently guiding 3 Scholars.

Prof. Dr. T. Ramkumar, has been recognized as Supervisor for guiding research scholars of Anna University, and Sathyabama University, and at present he is guiding 6 scholars.

Prof. Dr. S. Mullainathan, has been recognized as Supervisor for guiding research scholars of Bharathiyar University, Coimbatore and presently he is guiding 5 Scholars.

Prof. Dr. R. Irene Hebzibah has been recognized as Supervisor for guiding research scholars of Bharathiyar University and presently she is guiding 4 Scholars.

- ❖ I am proud to say that, 35 papers have been presented by our faculty members in various National / International Conferences

- ❖ 47 papers have been published in various National / International Journals.
- ❖ 107 faculty members have attended various National Conferences / Seminars / Workshops.
- ❖ 5 faculty members have published books in their area of expertise.
- ❖ 26 faculty members are pursuing PhD in various universities and 4 members are doing higher studies.
- ❖ I also take much pleasure in bringing to your kind notice that we possess, lot of skilled resources in the academic arena and hence 15 of our faculty members extend their services as Resource person in various reputed educational institutions.
- ❖ I had been given honor as Editor in Chief for the Journal “Current developments in Mechanical Engineering”, published by AIIS, Chennai.
- ❖ Mr.J.Eugene.I.Pradeep Kumar is appointed as a journal reviewer in Marry Lu Fulton College of education, Arizona state University, USA.

I now present the achievements of our students

- ❖ ISTE student chapter have organized a soft skill program with Practical Session.
- ❖ CSI PG Student chapter have organized one day guest Lecture program on Information Security and Infrastructure Services.
- ❖ 602 Students have participated in various seminar /symposium / workshops / technical events /conferences conducted by other Engineering colleges.
- ❖ 5 papers were published in international journal by ME Energy engineering students.
- ❖ 64 numbers of project proposals were sent to Tamilnadu State Council for Science and Technology.
- ❖ Our students had undergone In-plant training in various companies like Neyveli Lignite Corporation, ONGC,TNEB, Thermal Power Plant , BSNL,LITZ Tech, Coimbatore, All India Radio, Karaikal, ocean software ,Unique Technologies, statistical software solutions, Vedha Technologies, Atloo Solutions, Bangalore and TNSTC- Kumbakonam.
- ❖ Our students have visited different industries like, ISRO, Keltron Electronics, Chips Software, GLAD Solutions, Green Info Solution,

Arasu cement Factory, Ariyalur, Water resources treatment plant, Aluva, kerala, Kittu Spinning Mill, Salem Marutham Steel Power Plant , Neyveli Lignite Corporation. Spectrum systems KGISL, Poras Technologies, Hands-on Technology, Coimbatore and Cochin Ship Yard.

- ❖ Final and Third year IT students received Overall championship award for Technical Symposium held at Arunai Engineering college, Thiruvannamalai and Einstein College of Engineering, Thirunelveli.

This college offers lot of opportunities to the students to engage them in co-curricular activities to improve their soft, interpersonal and technical skills.

Our students have been participated in many programs related to R & D, Road Safety, Aids awareness, First aid and others organized by various Educational institutions and organizations.

We have organized 51 guest lectures, 12 club activities and 12 FDP for the welfare of students and staff members.

Pudhiya Thalaimurai's "Veetukku Oru Vingnani" program for this Nagappattinam district was conducted in our college. The above event was witnessed by around 2200 school students belong to 50 middle and higher secondary schools. The chief guest, Dr. A. Elayaperumal, Director, Students Affairs Anna University Chennai addressed the gathering and distributed prizes. The RDO, Ms. Sivapriya and Auditor, Bernad gave felicitation address. Along with that program our college organized a Mega Project exhibition by the name "Science Fest". In that, totally 346 Projects were exhibited by 947 students from all the UG and PG departments of our college.

NASSCOM, along with its large members — Accenture, Cognizant, HCL, Infosys, Microsoft, PMI, TCS and Wipro, has developed the Foundation Skills in IT (FSIT) program with a vision to enhance the skills that students need, to become industry ready. The course has been designed with an objective of enhancing the skills of the students so that they are directly employable by the industry.

NASSCOM has partnered ICT Academy of Tamil Nadu as a training partner to implement this training program. In this academic year, full-fledged training has been provided to all the final year students through FSIT twice a week.

Apart from this, our institution has MoU with Surge forth Technologies Private Limited for the training and recruitment process. Around 230 students are registered with it.

Several Programmes have been organized to the Pre-final and Final year students to improve their Communication, Group discussion and Aptitude skills to face the interviews.

As a result of this 135 students were placed in various companies including MNC's. Still, our journey continues to achieve 100% placement in the forthcoming months.

All the passed out students are members of our Alumni Association. I am proud to say that the alumni can make the flag of AVCCE fly high in all the segment of industries includes Nationally & Internationally.

Many guest lecture programs were delivered by our alumni on different areas like Bash Scripts, Job opening in ERP using .net ,Present day Employment market, Software test Automation, Soft skills Training for Infosys & CTS Interview aspirants, Recent trends in IT Field, Software Testing Identity & access management and Piping.

Mr.B.Vinoth (Alumnus B.Tech IT – Batch 2006-2010), Asst. Software Engineer, TCS, Chennai has conducted 18 Programs for B.Tech IT students.

I am happy to announce that our college Men team Participated in the Anna University Tournament and secured the Positions of winners in chess and Badminton and runner in Handball, table tennis and secured third prize in Cricket and Kho - Kho.

Our College women team participated in the Anna University Tournaments and secured third place in Ball Badminton & Table tennis.

In the year 2013-14, our College Boys team has participated in six games. In all the six games, they secured positions. The Girls team also secured positions in two games they have participated.

Our college Athletics Men and Women team participated in the Anna University Zonal Athletics Meet held at AVVM SRI POONDY PUSPHAM COLLEGE, Poondy and our college Men team won the OVERALL CHAMPIONSHIP with 78 points. Our College

Women team secured Third place with 38 points. I am very happy to inform that this is the second time our college men team won the overall championship.

Our College Athletics student Ms. K. V. Manobala, IV CSE, secured second place in High Jump event and won silver medal in Anna University Inter Zonal Athletics Meet held at ADHIYAMAN COLLEGE OF ENGINEERING, HOSUR.

Our college Badminton team got first place in state level Inter collegiate tournament held at Parisutham Institute of Technology and Science, Thanjavur.

Our student, Mr. R. Rakesh, II Year, Civil Engineering , won first place in both Zonal Athletics Meet and Nagai district level competition for Javelin throw, and won second place in Trichy regional level competition .Further he has been selected for “Chief Minister’s Trophy” going to be held on 13, May 2014 at Nehru Stadium, Chennai.

Our student, Mr. A. Agneeswaran , III year EEE department won Silver Medal in indoor state level field archery championship held at Thiruvannamalai during February 2014 and selected for National level field archery championship.

Our College YRC Program officer, Mr. S. Kannan, Associate Professor/ Mech. Engg., received the State award, the Best YRC programme officer, in 64th General conventions Day on 17-08-2013 at Indian Red cross society, Tamil Nadu branch building in Chennai.

In our campus, 7 blood donation camps were organized by YRC & RRC and around 439 units of blood were donated to Blood banks of Government Hospital, Mayiladuthurai and Tanjore Medical College.

Our students and staff members donated around 3881 units of blood since 2003.

Driving License camp was conducted with the support of Meikandar ITI for the fourth consecutive year and this year 228 students got benefited.

International Women’s day was celebrated on March 8th in our college. On that day, a Debate on the title of “Indru Penn Viduthalai Perithum Penapadukiratha, Meerapadukiratha” was conducted. The role and responsibilities of women’s in the world was dealt in detail for the benefit of our girls’ students.

Our students have participated in inter-colleges cultural competitions and won several prizes.

Our Yoga club arranged various training programs and seminar. Some of the identified personalities who gave training to our students are Mr.Sandor, yoga Practitioner, Bhuthapust, Hungary; Professor Dr. V. Natarajan, yoga trainer, Annamalai University; Dr. Rajasimman, Dental Surgeon and Dr.Gezha Timchaak, Ph.D., Board Member, European Union of Yoga..

Periodical Yoga training was given to all the students. Each department avails 3 days for their training.

Our Yoga club provides and felicitates the yoga club students to participate in state level yoga competition and other programmes.

We are successfully operating 15 buses, to various places like Chidambaram, Kumbakonam, Thiruvarur, Kuttalam, Mangaimadam, Poombukar, Manalmedu, Thirupanandal, Kali, Sirkazhi, Peralam, Porayar and Mayiladuthurai for the benefit of students and faculty members.

The two NSS units of our college had carried their regular activities during this year. The activities includes Blood donation camp, NSS Orientation Programme, NSS day, Road safety week, Women's Day celebration, Blood and Eye donation awareness rally and campus cleaning.

The regular and special camp activities were mainly focused on the theme of "Healthy Youth for Healthy India".

Our NSS Units organized a Career Guideline Program on "SHARP YOURSELF", and a Blood Donation camp and collected more than 300 units of blood from staff & Students in our College. In addition to that Campus cleaning activities were performed in our college.

Various NSS Programmes have been organized for the benefit of students like Career Guidance, NSS Orientation, Energy conservation & Consumer awareness.

I owe my indebtedness to the Board of Management for their continual counsel, guidance and motivation which inspired us to a greater extent. The kind hearted approach, Positive attitude and Problem solving skills of our Management always encourage and boost our Morale by enabling us to put more hard work.

The collective wisdom of our Management 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 Secretary and chairman i/c Thiru. S. Sugumar and members of the Board of Management for their encouragement and constant support to face the academic and administrative challenges.

In this occasion, I express my immense gratitude to the management, Teaching and Non teaching staff, 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!

**A.V.C COLLEGE OF ENGINEERING
MANNAMPANDAL, MAYILADUTHURAI**



**ANNUAL REPORT
ACADEMIC YEAR 2013-2014
18-04-2014**

AVC COLLEGE OF ENGINEERING
MANNAMPANDAL, MAYILADUTHURAI

19th College Day:

ANNUAL REPORT 2014-2015

Distinguished Chief Guest **Thiru. M. Thiyagarajan**, Managing Director, Alpha - Imager Group of Companies, Bangalore, Most Respected Secretary and Treasurer i/c **Thiru. K. Karthikeyan** most respected Chairman i/c **Dr. N. Vijayarangan**, Members of the Board of Management, Respected members of AVC Family, Principal and staff members of sister Institutions, Sincere and dedicated teaching, supporting and administrative staff members, parents, guests, Special invitees, Well-wishers, Respected members of the society, Donors, Members of the press, Citizens of Mayiladuthurai, and my dear students, I wish you all a very pleasant evening.

With great pleasure I **Dr. C. Sundar Raj**, present the Annual Report of this academic year 2014 – 2015.

I am very proud to present the history of A.V.C Institutions. The well known Anbanathapuram Vahaiyara Charities was established in the year 1806 by the philanthropic families of Anbanathapuram, Enathimangalam, Kanganamputhur, Karukudi and Pallavarayanpettai. In the year 1955, A.V Charities started A.V.C College to provide service in the field of higher education.

AVC Polytechnic College was started in the year 1983, to promote technical education in this rural area and AVC College of Engineering was started in the year 1996, with the vision of providing higher technical education to the students living in Nagai District. AVC College of Engineering is the legacy of A.V Charities whose successive generations of founding fathers have been doing philanthropic service to the society in the last two centuries.

From the inception, this Engineering College is growing from strength to strength and has blossomed into Post Graduate Institution offering seven popular UG courses, five attractive PG courses and is recognized now as Research Institution.

This college has more than 30 acres of land in an ever green atmosphere. It has individual spacious block for each department with a total built up area of about thirty thousand square meter worth Rs.12 crores.

Our Institution has ISO certification by DNV, Netherlands from February 2003 and the status is maintained till now. I am happy to state that the DNV lead auditors conducted the recertification audit on January 20 and 21 of 2015 and extended the validity up to the year 2018.

National Assessment and Accreditation Council (NAAC) has awarded 'B' grade certificate to this Institution in the year 2013.

National Board of Accreditation (NBA) has given accreditation to B.E - Electronics and Communication Engineering, B. Tech - Information Technology and Master of Computer Applications for three years from the year 2012 and the renewal process is on progress.

His Excellency the Governor Chancellor has nominated the Principal of AVC College of Engineering, Mannampandal, Mayiladuthurai as a member of the **Academic Council**, Anna University, Chennai under class II Other members [b] of the Anna University, Statute 9 of Schedule II of the Anna University Act 1978 (as amended in Tamilnadu University Laws [Amendment & Repeal Act 2011) for a period of three years, from the **date** of constitution of the Academic council.

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

The Department of Mechanical Engineering and the Department of MCA are recognized as research centers by Anna University, Chennai with effect from January 2013 for doing collaborative research in Ph. D and M.S

(Research) streams. 4 scholars in Mechanical department and 3 Scholars in MCA department are pursuing research work in part time mode and one scholar in Mechanical department in full time mode. Apart from that 5 scholars are utilizing our research center for their course work. **46** research publications in reputed journals were published from these two departments after the reorganization as research center

Financial assistance from various funding agencies for a tune of **Rs.1,85,000** for R & D purpose was fetched in the year 2014-15.

ISTE has granted **Rs.1,00,000** for conducting Faculty Development Program (FDP) on “Big Data Analytics with Data Mining - New Opportunities and Challenges” to Dr. T. Ramkumar, Professor / MCA.

Centre for faculty Development, Anna University, Chennai had sanctioned **Rs.60,000** for conducting Faculty Development Program (FDP) on “Electrical Drives & Control” to Mr.N.Dhanasekar, HOD / EEE of our College.

Department of Science and humanities organized a seven days Anna University Approved FDTP on “Probability and Queuing Theory under category III. Our Board of management provided the financial Support to organize the FDTP and 26 Faculty Members and Research Scholars participated and got benefited. Mr.V.Tamilselvan, HOD/ Science and humanities and Dr.Irene Hepzibah, Prof/ Science and humanities were the Coordinators

We have 125, 160 and 500 KVA diesel generators. They provide a total power back-up of 785 KVA power supply. Additionally, we have 10 KVA solar power plant to meet out the power requirement for our Administrative block.

We have one 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. Around 6000 liters per day of back wash water from

these RO system is effectively reutilized for toilet purpose and thereby the pumping energy is reduced and the water resource is saved as a measure to adhere the theme of AVC institutions “Conserve energy and water” for the year 2015.

Each department is equipped with state of the art laboratory. However 17.42 lakhs (17,42,303.00) worth laboratory equipments are added recently to face the technological advancement in the respective field.

We have well organized computer laboratories with more than 865 systems of latest configurations and all students are provided with unlimited computing facility. Ours is a Wi-Fi enabled campus with 16 MBPS internet connectivity.

We have separate hostels for girls and boys with a capacity of 200 & 150 accommodations respectively.

Library is a place to connect, to share, to grow and help others expand their horizons. To satisfy the knowledge craving of the staff and students, our library keeps more than fifty thousand (50,385) volumes of books, worth Rs.1.36 Crore. We have 3,732 CDs, 248 reputed journals and e-journals. This academic year, we have spent Rs.16.47 lakhs to purchase books and periodicals.

This College now offers seven under graduate Degree Programmes:

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.

Five Post Graduate Programmes in:

1. Master of Business Administrations (MBA).
2. Master of Computer Applications (MCA).

3. M.E - Energy Engineering.
4. M.E - Computer Science and Engineering.
5. M.E - Applied Electronics.

Out of which Department of Instrumentation and Control Engineering, MBA and MCA got permanent affiliation during the last academic year. And department of IT, ECE and CSE got permanent affiliation during the current academic year

It is our pride that we have 2,313 students on roll. Among them 1,912 are UG Students and 401 are PG students. To sustain them with academic vigor there are 161 Teaching faculties including librarian, physical director, placement officer and 118 Non-Teaching staffs.

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

Even semester – May 2014

- ✓ Overall pass percentage of UG students – 70.09%
- ✓ Overall pass percentage of PG Students – 81.3%

Odd semester - Nov - 2014

- ✓ Overall pass percentage of UG students - 62.1%
- ✓ Overall pass percentage of PG students - 73.1%

The fifteenth graduation day of the A.V.C. College of Engineering was held on 25.01.15 . A total number of 403 grandaunts (272 UG and 131 PG) were awarded degree in this academic year 2014-15. Out of this 403, **32 graduands** (25 UG & 7 PG) obtained Anna University Ranks. Thanks to the management for greeting them with 8gm gold coin/gold medal.

Mrs.M.Cynthiya of M.E., Energy Engineering achieved University First Rank from Anna University.

From the academic results, I am delighted to mention that our institution stands tall among the Self-financing Engineering colleges in Tamil Nadu.

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

73 Faculty members have produced 100% results in the Anna University examinations held during last two semesters.

Mrs. G.SriDevi, Associ Prof/MBA has completed her Ph.D degree from Mother Teresa Womens' University,

Mrs. K. Keerthi, AP/MBA has completed her Ph.D degree from Bharathidasan university, Trichy.

Mr.J. Eugene.I.Pradeep Kumar AP/MBA has completed his Ph.D degree from Manonmaniam Sundaranar University , Thirunelveli.

Mrs. V. Vanathi, AP/Physics has completed her Ph.D degree from Bharathiyar University, Coimbatore.

Mrs.M.K.Sangeetha, AP/Chemistry has completed her Ph.D degree from Anna University, Chennai.

I have been recognized as a supervisor for guiding research scholars of Anna University, Chennai, Annamalai University and Karunya University, Coimbatore. Currently I am guiding 8 scholars and one scholar is waiting for his viva-voce examination.

Prof. Dr. S. Selvamuthukumar, Vice Principal is a **recognized** supervisor for guiding research scholars of PRIST University & Bharathiyar University , and presently guiding 4 Scholars.

Prof. Dr. T. Ramkumar, has been recognized as Supervisor for guiding research scholars of Anna University, and Sathyabama University, and at present he is guiding 6 scholars.

Prof. Dr.R.Irene Hebzibah has been recognized as Supervisor for guiding research scholars of Bharathiyar University and presently she is guiding 4 Scholars.

Prof. Dr. R. Chinnaiyan has been recognized as Supervisor for guiding research scholars of Bharathiyar University and presently he is guiding 1 Scholar.

- ❖ I am proud to say that, 69 papers have been published in various National / International Journals.

Thanks to the management for encouraging our staff members by awarding cash incentives of Rs 4000 and Rs 2000 for publications in reputed journals as indicated in Anna university approved journal lists in Annexure I and II respectively.

- ❖ 72 faculty members from UG departments[Civil,IT,ICE, ECE,CSE,EEE,MECH,S&H] and 12 faculty members from PG departments [MBA,MCA ,MSc S/W] have attended various Workshops.
- ❖ 3 faculty members have published books in their area of expertise.
- ❖ 36 faculty members are pursuing higher studies and doing Research Work during this academic year 2014-15.
- ❖ I also take much pleasure in bringing to your kind notice that we possess, lot of skilled resources in the academic arena and hence 24 of our faculty members extend their services as Resource person in various reputed educational institutions.
- ❖ I had been given honor as Editor in Chief for the Journal “Current developments in Mechanical Engineering”, published by AIIS, Chennai.
- ❖ Many of our staff members are acting as a journal reviewer in reputed journals.
- ❖ ISTE staff chapter have organized Staff Orientation Programme on “Teaching Learning Process” from 27.06.2014 to 01.07.2014, Principal, Vice-Principal and HODs of various departments of AVCCE were the Resource persons for the Orientation Programme.
- ❖ 47th Engineer’s Day was grandly celebrated in our college with a theme of “Making Indian Engineering World Class”, Er. S. Shanmugasundaram, DGM-Mechanical, ONGC, Karaikal was the Resource Person.
- ❖ ISTE staff chapter Organized Faculty Development Programmes on “Communication Skills” on 09.11.2014. Resource Person - Prof. Dr. K. G. Mathew Tharakan, Secretary, Infant Jesus and Almighty

Jesus English School, Mayiladuthurai, and “Preparation of project proposal and funding opportunities” on 31.01.2015. Resource Person – Dr. S. Kumaran, Assistant Professor (Sr. G), Periyar Maniammai University, Vallam, Thanjavur.

- ❖ R & D Cell of A.V.C. College of Engineering organized a Research Colloquium on “Projects and Consultancy Services” on 25/11/2014. Dr. K. Raghukandan, Professor, Department of Manufacturing Engineering, Annamalai University, Chidambaram, Visiting Professor, KUMAMOTO University, Japan was the Chief Guest and addressed the gathering on the topic “Projects and Consultancy Services”.

I now present the achievements of our students

- ❖ ISTE student chapter organized a programme on “Awareness on banking sector” for the UG final year students.
- ❖ CSI PG Student chapter have organized one day guest Lecture program **Ethical Hacking - Introduction & Issues** on 11-10-2014. The Resource person Dr.R.Ragupathy, Assistant Professor, Dept of Computer Science & Technology, Annamalai University, Chidambaram. 180 students had attended the Guest lecture Program and got benefited from the lecture.
- ❖ CSI UG Student chapter have organized one day workshop on Computer Awareness for Self Help Group on 09/08/2014.50 Women Participants from nearby places got benefited from the Workshop.
- ❖ IIPE Students Chapter of Mechanical department conducted Technical Talk Competition, Technical Quiz Competition, Junk Yard Ward Competition on 24/02/15, 25/02/15 and 26/02/15.
- ❖ SAE Activities of Mechanical department includes Aero-Modeling, CAD- Modeling, Auto- Quiz conducted on 26/03/15 & 01/04/15
- ❖ Department of Electronics and Communication Engineering conducted a one day motivational programme for rural school

students titled “VAALVATHARKAE VAALKAI”, at Gurumoorthi school, Mayiladuthurai on 25.02.2015 to enhance the school students skills and to impart the significance of Education , addressed by Mr.M.KiranKumar, Mr.S.Senthilkumar and Mr.A.P.Prabhakaran Assistant Professors of ECE department.

- ❖ Department of Electronics and Communication Engineering conducted a one day Social Awareness programme titled “Socio Economic Empowerment of Women Cum Self Employment Opportunities Workshop” on 25.02.2015 lectured by Mr.S.Bharathiraja and Mr.J.Vijay Assistant Professors of ECE department.
- ❖ Department of Information Technology conducted One day Workshop on “appdhoom Mobile App Development –All India Mobile App Competition” on 19.02.2015. Mr. S. Prithviraj, Operational & Resource Head delivered the keynote address. In his address, he enlightened the programme objectives and job opportunities of the android application. Mr. A. Dinesh Kumar , Sr. Software Engineer and Mr.Padmanaban, delivered the concepts and provided the hands on session to the students.
- ❖ Department of Information Technology conducted one day Societal Development programme titled “ Workshop on Internet usage for the Rural People” intended participants were from the Panchayat of Parasaloor, Aarupathy, Mannampandal & Seruthiyur
- ❖ 1014 Students have participated in various seminar /symposium / workshops / technical events /conferences conducted by other Engineering colleges. Out of which 107 students fetched prizes and best paper award.
- ❖ 40 papers were published in international journal by our UG and PG students.
- ❖ Our students had undergone In-plant training in various companies

like Neyveli Lignite Corporation, ONGC, TNEB, ABAN, CPCL, MANTE Electronics, Thermal Power Plant, Armadha industrial automation, MRK Cooperative sugar mills LTD, BSNL, IPrings Ltd, BMW Group Plant, Chennai, Snam alloys pvt Ltd., Pondy, All India Radio, Karaikal, Unique Technologies, statistical software solutions, Vedha Technologies, HCL, ESoft, Code bind Technology, Spiro Solutions, Mass Tech, Chennai, SPANSYS Technology Solutions, Kumbakonam.

- ❖ Our students have visited different industries like, IMTEX Bangalore, Jayaraj Pipes, Sipcot, Nagai, Rasi Masala, Nagai, Uma fully automated bakery and Sathanoor dam for survey.
- ❖ 6 Students of final year EEE attended Internship Program from 16th February 2015 to 27th of March 2015 at AVAACO ELECT SYS Coimbatore.
- ❖ Mr. N. Veermanikandan 2014 passed out IT student developed software for Students Counseling System.

Our students participated lot of programs related to R & D, Road Safety, Aids awareness, First aid etc., organized by various Educational institutions and organizations.

We have organized 18 guest lectures, 10 club activities and 27 FDP for the welfare of students and staff members.

FRESHER'S MEET 2014 was celebrated in the A.V.C. College of Engineering, Mayiladuthurai with great enthusiasm (for First Year B.E / B.Tech Programmes for the academic year 2014-2015) on 4th AUGUST 2014 at 3.00 p.m in College Campus. Kalaimamani Prof. Dr. G. Gnanasambandam acted as Chief Guest and addressed the Freshers. In his speech, he congratulated the budding engineers for choosing this institution which is doing a great service to the humanity for more than 5 decades through AVC charity.

Our college organized '**TechnoThirst' 2015** - Two Days National level Technical Symposium for Engineering Students' for the eighth time and monetarily supported by AVC Board of Management in Mayiladuthurai.

According to an institution release, the two days Symposium was inaugurated by Dr.R.Pandiyan, Head, Altitude Determination Division, Flight Dynamic Group, ISRO Satellite Centre, Bangalore and released the souvenir of the Symposium, the first copy was received by the other Chief Guest Mr.S.Kannan, Scientist, ISRO Satellite Centre, Bangalore. Dr.R.Pandiyan was the alumni of AVC College and delivered his inaugural address on the topic "Science, Engineering, Technology and Environment". He motivated the students by telling the challenges and opportunities in the Aerospace Industry.

Several Technical sessions were conducted on these two days on different emerging topics. This mega event was organized for seven undergraduate programmes and two postgraduate programmes. Nearly 270 Technical papers were received from all over Tamilnadu & Puducherry states of which 180 have been selected for presentation and presented by the participants. Mr.R.Vijayarajeswaran, Managing Director, VI Micro Systems Pvt. Ltd., was the Chief Guest for Valedictory function and distributed the Certificates and Cash Awards to the participants.

Our College Science and Humanities Department organized a Two Day National Level Seminar **BRAINY 2015** on 05th and 6th March 2015.

Four technical sessions were conducted on these two days on the topics 'Nuclear Engineering ', 'Applications of Instruments in Chemical Analysis', 'Applications of Mathematics in Emerging areas of Engineering and Technology' and 'English is reality or Enigma'. Dr. S.Ramalingam, Assistant Professor, Dept of Physics, AVC College (Auto), Dr. G.Vivekanadan, Associate Professor & Head, Dept of Chemistry, AVC College (Auto), Prof.K.Arumugam, Associate Professor & Head, Department of Mathematics, AVC College (Auto) and Prof.K.Mehanathan, Associate Professor & Head, Department of English, AVC College (Auto), acted as juries for paper presentation. More than 125 technical papers were received of which 100 had been selected for presentation and 96 were presented in

this seminar. More than 152 students gave their active participation from various Anna university affiliated institutions of Tamil Nadu.

The valedictory function was presided over by the principal of the institution. Dr.M.Varatharajan, Principal of AVC College (autonomous) delivered the valedictory address and distributed the certificates to the participants.

R & D Cell of A.V.C. College of Engineering organized a Research Colloquium on “**Projects and Consultancy Services**” on 25/11/2014.

Dr. K. Raghukandan, Professor, Department of Manufacturing Engineering, Annamalai University, Chidambaram, Visiting Professor , KUMAMOTO University, Japan was the Chief Guest and addressed the gathering on the topic “Projects and Consultancy Services”. He motivated the faculty members by his inspired speech about how to prepare a rich technical research paper and how to fetch funds for projects and consultancies from various funding agencies. He also said the gap between consultancy and Research is indissoluble. Around 150 Faculty members from various departments of AVC College of Engineering participated in the Programme and got benefited.

Our College and New Generation Media corporation Pvt Ltd (Puthiya Thalaimurai TV channel) jointly organized a **programme “VEETTUKKU ORU VINGAANI” AND “SCIENCE FEST-2014”** on 25th July 2014 to explore the scientific knowledge and research talent of the school students. The programme was inaugurated by the Mayiladuthurai sub collector S. Divyadarshini and the programme was telecasted in Puthiya Thalaimurai TV channel all over TamilNadu. Totally 40 schools of Nagai district were participated and more than 400 students exhibited their projects.

Our students also exhibited more than 750 of their projects. Thiru T. Rajendar. M.A. film director and the pride alumni of AVC Arts College graced the valedictory function with his presence.

National Education Day in Memory of Moulana Abul Kalam Azad birth Anniversary was celebrated in A.V.C. College of Engineering,

Mayiladuthurai with great enthusiasm on 11th November 2014 in the College Campus. In connection with this the college organized an essay competition and Elocution competition on the topic 'CONTRIBUTION OF AZAD FOR THE DEVELOPMENT OF EDUCATION IN INDIA'. Around 40 students actively participated and 6 of them bagged the prizes.

AVC Educational institutions in association with puthucherry Aravind Eye Hospital organized a free Eye camp at AVC Polytechnic College Campus. Dr.Pavankumar, Medical Officer of Aravind Eye Hospital in associate with other Doctors and members, examined the employee of Eye condition and advised them accordingly. Sugar test, Eye Pressure, Blood pressure and General eye tests were performed. Sri.Paramasivam of Aravind Eye hospital organized the camp.250 employees of AVC Institutions were benefited in the camp. The camp was also visited by nearly 15 dignitaries from other states and other countries like, Zambia, Nigeria and Cambodia.

As per the letter from MHRD and the Approval from the Principal we have celebrated the **GOOD GOVERNANCE DAY** with oratory competition in the title of "USE OF TECHNOLOGY AND INNOVATION IN PROMOTING GOOD GOVERNANCE" on 24/12/2014 at 11.00 a.m, at MBA Seminar Hall.In this event 12 students participated and three were selected as the Prize Winners. Mrs.S.Padmapriya Asso Prof/IT, and Mrs.G.Kousalya-Asst Prof/SE were acted as judges for the competition.

68th Independence Day was celebrated in our college and Mr.M.Sundaramahalingam, Auditor, Mayiladuthurai presided over the function and hoisted our National Flag. Our students of Fine arts club enthusiastically participated in various cultural events.

66th Republic Day was celebrated in our college and Dr.S.Kumaran, Professor, Periyar University, was the Chief Guest of the function and hoisted our National Flag.

Several Programmes have been organized to the Pre-final and Final year students to improve their Communication Skill, Group discussion and Aptitude skills to face the interviews.

As a result of this 197 students were placed in various companies such as Accenture, Wipro, CTS, Tata Communications, Tech Mahindra and so on. The work orders for the placed students were issued to the students by our Secretary on 18th April 2015 in the presence of Mr. Arumugam Balasubramanian Managing Director, GSH, Chennai who selected 60 candidates for his company. Still, our journey continues and we are marching towards 100% placement in the forthcoming months. Apart from our students, our T & P department helped for placement of 87 students of other institutions including our sister institutions in this year by conducting pool drives and we are extending our services to the passed out students also.

A function was organized by the Training and Placement Division of A.V.C College of Engineering, Mayiladuthurai to Hand Over the appointment letters to the selected candidates on 18/04/2015. Mr. Arumugam Balasubramanian, Managing Director, GSH, Chennai who selected 60 candidates for his company graced the function with his presence and handed over the offer letters to them. Nearly 200 students were selected from 31 companies and were handed over order letters.

All the passed out students are members of our Alumni Association. I am proud to say that the alumni can make the flag of AVCCE fly high in all the segment of industries includes Nationally & Internationally. Many guest lecture programs were delivered by our alumni on different areas like Software Test Automation , Win – Win Behaviour, How to fix the corporate hat, How to Prepare for Gate & CAT Exams , Present day employment market.

Mr.B.Vinoth (Alumnus B.Tech IT – Batch 2006-2010), Asst. Software Engineer, TCS, Chennai has conducted 20 Programs for B.Tech IT students.

I am happy to announce that our college Men teams Participated in the Anna University Tournament and secured winner-up in Badminton, runner-up in table tennis and secured third prize in Cricket, Athletics, and fourth place in chess, Hand ball and Kho-Kho.

Our College women team participated in the Anna University Tournaments and secured runner-up in Table tennis, third place in Ball badminton and Basketball.

Our college Athletics Men and Women team participated in the Anna University Zonal Athletics Meet held at Annai Sathya Stadium, Tanjore , secured various positions.

In A.V.C. College of Engineering, 19th ANNUAL SPORTS MEET was held on 17th March 2015. The Sports meet started at 9.15 a.m with the Lighting of Olympic Torch by the Dignitaries and the Olympic Flag hoisting by Thiru N.Gnanasundar, B.A., Member, Board of Management, AVC Educational Institutions. Then Sports Day address was given by the Chief Guest Olympian C. Thirugnanadurai, M.A.(Psychology), NIS (Athletics) (Participated in Sydney 2000 Olympics, Coach for National Team Athletics), in which he appreciated the Institution for its services rendered to the rural society. He also highlighted discipline, determination and hard work alone makes a man successful in his career.

Our College YRC and RRC volunteers participated in "Rain Water Harvest" awareness rally on 31.12.14. This rally was started from Mayiladuthurai Maraiyur Road and ended at Municipal office of Mayiladuthurai. Volunteers were distributed the handouts about Rain water harvest to the public during the Rally.

Our students and staff members donated around 4143 (3881 +262) units of blood since 2003

Driving License camp was conducted with the support of Meikandar ITI for the fifth consecutive year and this year 107 students got benefited.

Women Empowerment Cell of our college conducted a variety of competitions namely Cookery, Elocution Contest, Classical Dance, MIME, Who am I? and Collage Contest from 25/02/2015 to 02/03/2015 for our female students and female staff members as a part of the international Women's day. About 260 students & 50 staff members participated in the contests and 48 bagged the prizes.

Women achievers of AVC Educational Institutions were also honored by the women empowerment cell for their outstanding performance in the Academic, Sports and Fine Arts.

Then women's day address was given by the Chief Guest, Dr.Siva Manjula, Gynecologist, Anbu Multi specialty Hospital, Kumbakonam. She mesmerized the students by her wonderful, lively talk about Women Health Care.

Our Fine arts club students exposed their talents in various events like singing song, poem, speech, short story telling and interesting facts about science in Ilaya bharatham, a Youth variety programme organized by All India Radio, Karaikal. It was broadcasted in 2 different slots.

Yoga club organized a speech on "Pros and Cons of Women Health through Yoga" for our Lady Faculty members (Teaching and Non teaching) and P.G Girls Students on 13-09-2014 addressed by Dr.Priyadharshini Bharath, M.B.B.S, D.G.O .Our yoga club student members participated in state Yoga sports Championship 2014 conducted by Puduchery Yoga & Yoga Sports Development Association .

After working hours, regular Yoga Practice is given for Teaching and Non Teaching Staff members and Engineering students in Women's Hostel. Our Yoga Club members provide training to our Mayiladuthurai New Century Lions Club Family members.

Our yoga club organized a nutshell programme through Manavalakkalai Mandram, Mayiladuthurai on 21st April 2015.Various professors and assistant professors from the association provide training to our teaching, non teaching, office and transport staff members for

Respiration Process authored by Vedhadhri Maharishi, President of Ulaga Samooga Seva Maiyam – Nagappattinam District.

We are successfully operating 30 buses, to various places like Chidambaram, Kumbakonam, Thiruvavur, Kuttalam, Mangaimadam, Poombukar, Manalmedu, Thirupanandal, Kali, Sirkazhi, Peralam, Porayar and Mayiladuthurai for the benefit of students and faculty members.

The two NSS units of our college had carried their regular activities for during this year. The activities includes Blood donation camp, NSS Orientation Programme, NSS day, Road safety week, Women's Day celebration, Blood and Eye donation awareness rally and campus cleaning. It also Organized Rain water Harvesting Rally Programme in the theme of "**Save water Save life**".

The regular and special camp activities were mainly focused on the theme of "Healthy Youth for Healthy India".

Our NSS units Organized a National Education Day Programme on 11.11.14, we conducted Essay writing and Elocution competition in memory of Moulana Abul Kalam Azad Birth Anniversary. The topic is "Contribution of Azad for the development of education in India".

National Voters Day programme was conducted on February 2015. Mr.M.A.Perumal, Dasildhar, Mayiladuthurai, was acted as resource person. Road Safety Awareness Programmewas conducted. Mrs.S.Divyadharshini, I.A.S, Sub Collector, Mayiladuthurai, Mr.P.Jeya Baskaran, B.E., MBA., Regional Transport Officer, Mayiladuthurai, Mrs.K.Vimala, Motor Vehicle Inspector, Grade-I, Mayiladuthurai, was acted as resource person.

Our NSS Units organized Yoga and Meditation Classes, and a Blood Donation camp and collected more than 250 units of blood from staff & Students in our College. In addition to that Campus cleaning activities were performed in our college.

Various NSS Programmes have been organized for the benefit of society like Training programmes for women's self help group in Thanjaur painting, Stone work, Pith work, Renewable Energy and Mushroom growth.

Census had been taken for Educations and Economic status of village people. We also conducted awareness Program for the importance of Natural Agriculture.

Our students are effectively utilized this opportunity and render their services to the village peoples by the way of organizing awareness and training programmes.

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

The collective wisdom of our Management 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 chairman i/c Dr. N. Vijayarangan and Secretary & Tresearur i/c Thiru. K. Karthikeyan and the members of Board of Management for their encouragement and constant support to face the academic and administrative challenges.

In this occasion, I express my immense gratitude to the management, Teaching and Non teaching staff, 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!**

AVC COLLEGE OF ENGINEERING
MANNAMPANDAL, MAYILADUTHURAI
20th College Day: 16.04.2016
ANNUAL REPORT 2015-2016

Distinguished Chief Guest **Mr.Suresh Kumar Guntuka**, Vicepresident –IT, CSS Corporation Private Limited., Chennai and **Mr.J.Lakshminarayanan**, Director - IT, CSS Corporation Private Limited Chennai. Most respected Secretary and Treasurer i/c **Thiru. K. Karthikeyan**, Most respected Chairman i/c **Dr. N. Vijayarangan**, Respected Members of the Board of Management, Respected members of AVC Family, Principal and staff members of sister Institutions, Sincere and dedicated teaching, supporting and administrative staff members, parents, guests, Special invitees, Well-wishers, Respected members of the society, Donors, Members of the press, Citizens of Mayiladuthurai, and my dear students, I wish you all a very pleasant morning.

With great pleasure I **Dr. C. Sundar Raj**, present the Annual Report of this academic year 2015 – 2016.

I am very proud to present the history of A.V.C Institutions. The well known Anbanathapuram Vahaiyara Charities was established in the year 1806 by the philanthropic families of Anbanathapuram, Enathimangalam, Kanganamputhur, Karukudi and Pallavarayanpettai. In the year 1955, A.V Charities started A.V.C College to provide service in the field of higher education.

A.V.C Polytechnic College was started in the year 1983, to promote technical education in this rural area and AVC College of Engineering was started in the year 1996, with the vision of providing higher technical education to the students living in Nagai District. A.V.C College of Engineering is the legacy of A.V Charities whose successive generations of founding fathers have been doing philanthropic service to the society in the last two centuries.

From the inception, this Engineering College is growing from strength to strength and has blossomed into Post Graduate Institution offering seven popular UG courses, five attractive PG courses and is recognized now as Research Institution.

This college has more than 30 acres of land in an ever green atmosphere. It has individual spacious block for each department with a total built up area of about thirty thousand square meters worth Rs.12 crores.

Our Institution has ISO certification by DNV, Netherlands from February 2003 and the status is maintained till now. I am happy to state that the DNV lead auditors conducted the recertification audit on January 20 and 21 of 2015 and extended the validity up to the year 2018.

National Assessment and Accreditation Council (NAAC) has awarded 'B' grade certificate to this Institution in the year 2013.

National Board of Accreditation (NBA) has given accreditation to

B.E - Electronics and Communication Engineering,

B. Tech - Information Technology and

Master of Computer Applications for three years from the year 2012 and the renewal process is on progress. In addition, in this year we have applied NBA accreditation for B.E Instrumentation and Control Engineering and MBA programmes.

His Excellency the Governor Chancellor has nominated the Principal of AVC College of Engineering, Mannampandal, Mayiladuthurai as a member of the **Academic Council**, Anna University, Chennai under class II Other members [b] of the Anna University, Statute 9 of Schedule II of the Anna University Act 1978 (as amended in Tamilnadu University Laws Amendment & Repeal Act 2011) for a period of three years.

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

The Department of Mechanical Engineering is recognized as research centre by Anna University, Chennai with effect from January 2013. At present 4 scholars are pursuing their Ph.D in part time mode and one scholar is undergoing Ph.D in full time mode in the Department of Mechanical Engineering.

Department of MCA is recognized as research centre by Anna University, Chennai with effect from January 2013 for doing collaborative research in Ph. D and M.S (Research) streams. Now it has been renewed for the duration of three years (2016 -2019). 3 Scholars in MCA department are pursuing research work in part time mode. Apart from that, 5 scholars are utilizing our research center for their course work. **46**

research publications in reputed journals were published from these two departments after they were recognized as research centers.

The Department of Science and Humanities applied for a Recognized Research Center for Ph.D/M.S under Anna University for the subject of Chemistry in the month of December 2015.

In order to have national visibility for our institution- in line with Autonomous and University Colleges, A.V.C College of Engineering has submitted institutional data for National Institutional Ranking Framework (NIRF) to AICTE, New Delhi,

Financial assistance from various funding agencies for a tune of **Rs.1, 15,000** for R & D purpose was fetched in the year 2015-16.

Department of Computer Science and Engineering conducted 2-days CSI Tamilnadu State student Convention on February 26th & 27th, 2016. I am proud to say that AVC College of Engineering is one among the two colleges selected for conducting this State Level Student Convention sponsored by Computer Society of India.

ICTACT sponsored a training program on Banking, Financial and Insurance Services for the students which Department of Computer Science and Engineering have completed successfully in the month of July 2015.

We have 125, 160 and 500 KVA diesel generators. They provide a total power back-up of 785 KVA power supply. Additionally, we have 10 KVA solar power plants to meet out the power requirement for our Administrative block.

We have one 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. Around 6500 liters per day of back wash water from these RO system is effectively reutilized for toilet purpose and thereby the pumping energy is reduced and the water resource is saved as a measure to adhere the theme of AVC institutions "Conserve energy and water" for the year 2015.

Each department is equipped with state of the art laboratory. However 7.88 lakhs (7, 88,436.00) worth laboratory equipments are added recently to face the technological advancement in the respective field.

We have well organized computer laboratories with more than 800 systems of latest configurations and all students are provided with unlimited computing facility. Ours is a Wi-Fi enabled campus with 50 MBPS internet connectivity.

We have separate hostels for girls and boys with a capacity of 200 & 150 accommodations respectively.

Library is a place to connect, to share, to grow and help others expand their horizons. To satisfy the knowledge craving of the staff and students, our library keeps more than fifty three thousand (53,505) volumes of books, worth Rs. 1,42 Crores. We have 3,803 CDs, 248 reputed journals and e-journals. This academic year, we have spent Rs. 19,64 lakhs to purchase books and periodicals.

This College now offers seven under graduate Degree Programmes:

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.

Five Post Graduate Programmes in:

1. Master of Business Administrations (MBA).
2. Master of Computer Applications (MCA).
3. M.E - Energy Engineering.
4. M.E - Computer Science and Engineering.
5. M.E - Applied Electronics.

Out of which, six courses are having permanent affiliation with Anna University B.E Instrumentation and Control Engineering, MBA and MCA Programmes got permanent affiliation from the last academic year and B.E Information Technology, Electronics and Communication Engineering and Computer Science and Engineering courses from this year.

It is our pride that we have 2,258 students on roll. Among them 1,925 are UG Students and 333 are PG students and 49.46% of the total strength are the girl students. To sustain them with academic vigor, there are 160 Teaching faculties including librarian, physical director, placement officer and 125 Non-Teaching staffs.

V.Jayasri- I B.E (CSE) and K.Shanmugapriya I B.Tech(IT), each received a scholarship amount of Rs.40,000/- per year from **Foundation For Excellence**. This is one of the largest scholarship programs in India to provide scholarships to exceptionally bright students who have serious financial constraints, enabling them to achieve professional success as Engineers.

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

Even semester – May 2015

- ✓ Overall pass percentage of UG students – 70.90%
- ✓ Overall pass percentage of PG Students – 81.3%

Odd semester - Nov - 2015

- ✓ Overall pass percentage of UG students - 48%
- ✓ Overall pass percentage of PG students - 66.5%

The sixteenth graduation day of the A.V.C. College of Engineering was held on 09.04.16. Totally, 559 graduands (400 UG and 159 PG) were awarded degree in this academic year 2015-16. Among them, **22 graduands** (02 UG & 20 PG) obtained Anna University Ranks. We express our sincere thankfulness to the management for greeting them with 8 grams of gold coin and gold medal. All the graduands of our college received their degree from Dr. M.Rajaram, Vice Chancellor of Anna University, Chennai.

From the academic results, I am delighted to mention that our institution stands tall among the Self-financing Engineering colleges in Tamil Nadu.

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

- ❖ 83 Faculty members have produced 100% results in the Anna University examinations held during last two semesters.
- ❖ 5 Faculty members namely Mr. G.Pradeep, HOD/IT, Mrs. S.Padmapriya, Assoc Prof/IT, Mr.J. Swaminathan AP/MBA Mr.K.Krishnamoorthy Assoc Prof/Eng and R.Subash AP/Maths have completed their Ph.D degree in this academic year.
- ❖ 3 of our faculty members have submitted their thesis and awaiting for viva voce examination.

- ❖ **I have been recognized** as a supervisor for guiding research scholars of Anna University, Chennai, Annamalai University and Karunya University, Coimbatore. Currently I am guiding 8 scholars and one scholar is waiting for his viva-voce examination.
- ❖ **Prof. Dr. S. Selvamuthukumar**, Vice Principal is a **recognized** supervisor for guiding research scholars of PRIST University & Bharathiyar University, and presently guiding 5 Scholars and among them two scholars have been awarded with Ph.D Degree.
- ❖ **Prof. Dr. T. Ramkumar**, has been recognized as Supervisor for guiding research scholars of Anna University, and Sathyabama University, and at present he is guiding 6 scholars.
- ❖ **Prof. Dr.R.Irene Hebzibah** has been recognized as Supervisor for guiding research scholars of Bharathiyar University and presently she is guiding 4 Scholars.
- ❖ **Dr. J. Swaminathan** Assoc.Professor in Chemistry has been recognized as Supervisor for guiding research scholars of Anna University.
- ❖ 80 papers have been published in various National / International Journals by our staff members in this academic year alone.
- ❖ The total number of citations of our faculty members publications is 588 and the h index is 14 as per the Google information.

Thanks to the management for encouraging our staff members by awarding cash incentives of Rs.4000 and Rs. 2000 for publications in reputed journals as indicated in Anna university approved journal list in Annexure I and II respectively.

- ❖ 54 faculty members from UG departments [Civil,IT,ICE, ECE,CSE,EEE,MECH,S&H] and 7 faculty members from PG departments [MBA,MCA, MSc S/W] have attended various Workshops.
- ❖ 17 faculty members have published books in their area of expertise.
- ❖ 36 faculty members are pursuing Ph.D and doing Research Work in this academic year 2015-16.
- ❖ I also take much pleasure in bringing to your kind notice that we possess, lot of skilled resources in the academic arena and hence 45 of our faculty members

extend their services as Resource person in various reputed Educational Institutions.

- ❖ I had been given honor as Editor in Chief for the Journal “Current developments in Mechanical Engineering” ISSN: 2322-0848, published by AIIS, Chennai.
- ❖ Many of our staff members are acting as a journal reviewer in reputed journals.
- ❖ ISTE Staff chapter and Staff development Cell has organized Two day staff development programme on “**Effective Teaching and Counseling Techniques**” from 30.10.2015 to 31.10.2015.
- ❖ 48th Engineer’s Day was grandly celebrated in our college with a theme of ““Engineering Challenges for Knowledge Era””, Dr. M. Aramudhan Assoc. Prof. & Head, Department of Information & Technology, Perunthalaivar Kamarajar Institute of Engineering and Tech., Karaikal was the Resource Person.
- ❖ ISTE staff chapter Organized Staff Development Programmes on “Status of Solar Energy in India” Dr. S. Vijayaraj, Professor & Head, Mechanical Engineering Department, AVCCE acted as resource person.
- ❖ In R&D sector, the RPS Project fetched from AICTE for the tune of Rs.24,80,000/- by Dr. S.Vijayaraj as Principal Investigator is currently under ongoing process.

I now present the achievements of our students

- ❖ CSI UG Student chapter have organized one day workshop on Android and application development, 4 guest lecture programmes and a 2 days technical symposium.
- ❖ ISTE student chapter organized a programme on “Challenges in Job (Art of Communication)” for the UG prefinal year students on 25-8-15 and Soft skill Development (Art of Communication) for the UG second year students on 11-9-15 by Dr.B.Sivaprakash, Assistant Professor, Faculty of Engineering & Technology, Annamalai University.
- ❖ The CSI Student Chapter (PG) of A.V.C College of Engineering organized one day Guest lecture Program in the theme “Network Security-Issues and Challenges” on 15.03.2016. The Resource person is Mr.V.Upendran, HOD, Department of Computer Science, Srimad Andavan Arts & Science College (Autonomous), Trichirappalli. The speaker shared his insights on Network

Security with real time example. 120 students had attended the Guest lecture Program and got benefited from the lecture.

- ❖ Department of Mechanical Engineering department inaugurated a new students chapter 'ENFUSE' on 20.10.2015. Shri. S.Ramalingam, National President, Energy & Fuel Users' Association of India inaugurated the chapter and gave a guest lecture in the topic of "Energy management & Emerging challenges".
- ❖ IPE Students Chapter of Mechanical department conducted One Day Workshop titled "Piping and Pressure Vessel Design" on 24.07.2015 and two guest lecture programme in the title of 'Piping Design' and '3 D Printing'.
- ❖ 1298 Students had participated in various seminar /symposium / workshops / technical events /conferences conducted by other Engineering colleges. Out of which 210 students fetched prizes and best paper award.
- ❖ 105 papers were published in international journal by our UG and PG students.
- ❖ Our students had undergone In-plant training in various companies like Neyveli Lignite Corporation, ONGC, TNEB, ABAN, CPCL, MANTE Electronics, Thermal Power Plant , Armadha industrial automation, MRK Co-operative sugar mills LTD, BSNL, BMW Group Plant, Chennai, Snam alloys pvt Ltd.,Pondy, All India Radio, Karaikal, Unique Technologies, Statistical software solutions, Vedha Technologies, HCL, ESoft, Code bind Technology, Spiro Solutions, Mass Tech , Chennai, SPANSYS Technology Solutions, Kumbakonam, Doppler weather radar station, Karikal, HCL Infosystems , Trichy,Sharq sohar steel rolling mills, Sultanate of Oman, PantechPro ED PVT LTd, Trichy, Tamilnadu transport corporation Ltd, Kumbakonam, HI-Tech Maruthi, TNEB-Gas turbine powerplant, and LANCO power Ltd.
- ❖ Our students had visited different industries like, Dhathri Ayurvedha Pvt.Ltd., Kerala, Merchem Ltd., Kerala , Sathanoor dam for survey, ISRO Trivandram, Green info solutions, Cochin, LITZ Tech,Coimbatore, Techno park, Kerala, NY systems, Trivandram, Keltron, Kerala, AVO Carbon India Pvt Ltd , Chennai and INFAC Pvt Ltd, Chennai.

- ❖ Mr.M.Vijayakumar of IInd year EEE has secured Gold Medal in National Level Archery Competition organized by Students Olympic Association held at Daman ,Mumbai .
- ❖ Mr. N. Veermanikandan 2014 passed out IT student developed software for Students Counseling System.

Our students participated lot of programs related to R & D, Road Safety, Aids awareness, First aid etc., organized by various Educational institutions and organizations.

We have organized 34 guest lectures, 23 club activities and 41 FDP, Workshops and various other programmes for the welfare of students and staff members.

INDUCTION INVITE 2015 was celebrated in the A.V.C. College of Engineering, Mayiladuthurai with great enthusiasm (for First Year B.E / B.Tech Programmes for the academic year 2014-2015) on 3 rd AUGUST 2015 at 2.30 p.m in College Campus. Dr.S.Pragadheeshwaran, Deputy Controller of Business administration , Annamalai university , Chidambaram, addressed the Freshers.

69th Independence Day was celebrated in our college and Dr.N.Vijayarangan, Chairman, AVC Institutions presided over the function and hoisted our National Flag. Our students of Fine arts club enthusiastically participated in various cultural events.

AVC Educational institutions organized a big Rally from T.E.L.C.School. (near Mayiladuthurai Police Station) to Municipal Office, Mayiladuthurai to create awareness among public to Protect Nature to Promote the Livelihood for future generation. In this rally, bit notice and pamphlets distributed to the public to show the importance and guidelines to be undertaken during natural calamities and how to protect the Earth by decreasing air pollution, to save trees and to save water, reduce plastic trash and to recycle our E waste.

67th Republic Day was celebrated in our college and Mr.S.Jayakumar, Member, Board of Management, AVC institutions was the Chief Guest of the function and hoisted our National Flag.

Our college organized 'Technothirst'2015 - Two Days National level Technical Symposium Students' for the ninth time on 29/09/15 to 30/09/2015. The Symposium was inaugurated by Dr.Hema Gopal, Vice President, TATA CONSULTANCY SERVICES.

She released the souvenir of the Symposium, the first copy was received by Dr. N. Vijayarangan, Chairman of AVC Educational Institutions.

Several Technical sessions were conducted on these two days on different emerging topics. This mega event was organized for seven undergraduate programmes and two postgraduate programmes. Nearly 307 Technical papers were received from 85 reputed Engineering colleges all over Tamilnadu and Puducherry states. 159 papers have been selected for presentation and presented by the participants in this seminar. Furthermore, 436 students registered themselves for various technical events.

Mr. Rajagopalan Duraiswamy, Corporate Trainer, NIS SPARTA – A Reliance Company was the Chief Guest for the Valedictory function and distributed the Certificates and Cash Awards to the participants.

Project Exhibition was held at Our College on 20th February 2016 by the name “PROJECT EXPO 2016”. It is organized every year with a motive to encourage and inculcate a scientific temper and the spirit of exploration amongst students. The students showcased their talents in their stream. In this programme around 370 projects were exhibited by all the UG and PG departments. 2,200 students from 28 schools in and around mayiladuthurai were invited and visited our exhibition.

Internal Quality Assurance Cell (IQAC) conducted a research seminar for our faculty members on 3rd March 2016 in the topic of “ Role of Interdisciplinary research for effective health care delivery - A multi prolonged approach”. Dr. P. Ganeshkumar., MD., Scientist C , National Institute of Epidemiology , Indian council of medical research(ICMR), Chennai acted as the resource person.

Our College Science and Humanities Department organized a Two Day National Level Seminar **BRAINY 2016** exclusively for first year students on 3rd and 4th March 2016. More than 120 students gave their active participation from various Anna university affiliated institutions of Tamil Nadu. Dr. P. Ganeshkumar, Scientist ICMR, Chennai consented to be the chief guest of the programme.

Several Training Programmes have been organized to the Pre-final and Final year students to improve their Communication Skill, Group discussion and Aptitude skills to face the interviews.

As a result of this, 232 students were placed in 20 different companies such as WIPRO, CTS, Accenture, INFOSYS, GSH India Pvt Ltd., SPACE CADD, CHENNAI,

TECH MAHINDRA, CHENNAI, Vinayak Info Tech, E-nations Pvt Ltd, Fony Technologies, ADITYA BIRLA GROUP, Chain-Sys, in Isourcs India, QUADRIVIUM TECHNOLOGIES, Vee Technologies, TNQ, Chennai, CSS Corp, NY Systems, VNC, Micro Flow Devices, Cedila Financial Service, Ventura Capital, etc.,..

The work orders for the placed students were issued to the students by our Secretary on 17th February 2016. Still, our journey continues and we are marching towards 100% placement in the forthcoming months. Apart from our students, the Training and Placement cell arranged placement for 39 students of other institutions including our sister institutions in this year by conducting pool drives and we are extending our services to the passed out students also.

All the passed out students are members of our Alumni Association. I am proud to say that the alumni can make the flag of AVCCE fly high in all the segment of industries includes Nationally & Internationally.

Many guest lecture programs were delivered by our alumni on different areas like “Choosing a Right Path”, “Identity & access management”, “Digital India”, “How to Prepare for Gate & CAT Exams”, “Present day employment market”, “Job Openings in SOA technology”, etc.,

Mr.B.Vinoth (Alumnus B.Tech IT – Batch 2006-2010), Asst. Software Engineer, TCS, Chennai has conducted 20 Programs for B.Tech IT students.

The Tamil Nadu Government Job Fair'16 for Nagapattinam District was conducted in our campus on February 5th 2016.

I am happy to announce that Our College organized the Zonal (Zone XV) Ball Badminton (men) tournament for the year 2015-16 on 8th & 9th Sep 2015 in our campus.

Our college Men teams Participated in the Anna University Tournament and secured winner-up in TENNIS and secured third prize in Cricket.

Our College women team participated in the Anna University Tournaments and secured runner-up in Table tennis, third place in Ball badminton and Basketball.

Our college Cricket team participated and secured winner trophy in NDCA organized by Nagapattinam district cricket association for the year 2014-2015.

P.Dharani Rajan from I-MCA Secured Gold Medal And M.Vijayakumar From II-EEE Secured Silver Medal In Sportiva'2015 The State's Largest Multi-Sport Event Archery Organized By Parisutham Institute of Technology And Science, Thanjavur.

V.S.Rasmi from II-ME-Applied Electronics, Secured Gold Medal in C.M.Trophy ,Nagapattinam District and also secured third place in regional C.M.Trophy.

Anna University Inter zonal tournaments 2015-2016 held at Sri Eswar College of Engineering, Coimbatore and Mr.A.V.Muthukumaran, Physical Education Director, has appointed as a selection committee member for Anna University Volleyball Women Team.

Tamilnadu Inter University Tournaments 2015-2016 (CM Trophy phase- II) was held at Ramanathapuram from 04.02.16 to 06.02.2016 and Mr.A.V. Muthukumaran, Physical Education Director, has been deputed as a coach for Anna University Badminton Men Team.

In A.V.C. College of Engineering, 20th ANNUAL SPORTS MEET was held on 25th February 2016. Thiru G.V. Raghavan, B.Com., Member, Board of Management, AVC Educational Institutions inaugurated the meet by hoisting the Olympic flag and the Sports Day address was given By the Chief Guest Dr.R.Natarajan, International Athlete, Superintendent of Customs, DIRECTOR- ISPA, Chennai .

Our students and staff members donated around 4543 (4301+242) units of blood since 2003.

Driving License camp was conducted with the support of Meikandar ITI for the Sixth consecutive year and this year 33 students got benefited.

Women Empowerment Cell of our college conducted a variety of competitions namely Cookery, Elocution Contest, Classical Dance, MIME, Who am I? and Collage Contest from 29/02/2016 to 07/03/2016 for our female students and female staff members as a part of the international Women's day. About 250 students & 50 staff members participated in the contests and 45 bagged the prizes.

Women's day address was given by the Chief Guest Mrs.Usha Balaji, General Manager, Finance and Administration, IA Flow Elements Pvt. Ltd, Chennai.

Our Fine arts club students exposed their talents in various events like singing song, poem, speech, short story telling and interesting facts about science in Ilaya bharatham, a Youth variety programme organized by All India Radio, Karaikal. It was broadcasted in 2 different slots.

Yoga club organized a “Yoga practice” for our Faculty members (Teaching and Non teaching) and P.G Girls Students on 21.12.2015 addressed by Dr.M.Rajasimman B.D.S.

We are successfully operating 30 buses, to various places like Chidambaram, Kumbakonam, Thiruvavarur, Kuttalam, Mangaimadam, Poombukar, Manalmedu, Thirupanandal, Kali, Sirkazhi, Peralam, Porayar and Mayiladuthurai for the benefit of students and faculty members. Out of which 18 buses are running exclusively for A.V.C College of Engineering and the remaining buses running in our sister concerns are effectively utilized by our students in sharing basis.

Our College NSS units are successfully functioning with the leadership of Dr.R.Subash, Unit-I, Department of S & H and Mr.K.Ramesh, Unit-II, Department of CIVIL. The regular and special camp activities were mainly focus on the theme of “Healthy Youth for Healthy India”. The regular activities are mentioned below.

- ❖ Our College NSS unit had organized a Blood Donation camp and collected more than 250 units of blood from staff & Students in our College through, Govt. Hospital Mayiladuthurai & Kali blood bank, Thanjavur on 07.07.2015, 05.10.2015 and 18.03.2016.

International Yoga day Program was held on 21.06.2015 with Mr.M.Alexander Muthu Rengan as resource person and Mr.N.Gnanasundar, BOM, AVC Institution as chief guest.

- ❖ Fire Office, Mayiladuthurai conducted “Fire and Safety Programme” on 21.09.2015.
- ❖ National Postal Week day was celebrated on 06.10.2015 & 07.10.2015. In this context, Philately Exhibition and “My Stamp Counter” was conducted by the postal department, Mayiladuthurai.
- ❖ Dr.A.P.J.Abdul Kalam birth day was celebrated as “Youth Awakening Day” on 15.10.2015. In this context, Essay competition was conducted in the Topic: “Envision & Innovate”. Mr.K.Karthikeyan, Secretary, AVC Institution, distributed the certificates to the prize winners.
- ❖ Sardhar Vallabhbhai Patel birth day was celebrated on 31.10.2015. In this context, Elocution competition was conducted in the Topic: “Patel’s Contribution

to the Unity of Modern India". Mr.K.Karthikeyan, Secretary, AVC Institution, distributed the certificates to the prize winners.

- ❖ Our College YRC Program officers Mr. S.Kannan and Dr.R.Subash received the Medal & Certificate on behalf of our institution for highest blood donation in Nagai district at "Voluntary Blood Donation day 2015" function on 7.10.15 at Heath and family Welfare Training Centre, Egmore, Chennai.Dr.Vijayabaskar, Minister, Heath and Family welfare,Tamilnadu delivered chief guest address and distributed Medals & Certificates. Tamilnadu AIDS Control Society presides over the function.
- ❖ Our College RRC Program officer M. SivaSundaraVinayagaMoorthy, received the appreciation Certificate on behalf of our institution for Best Performance in Youth Red Cross Movement in 65th Anniversary of Geneva Convection Celebration on 16.03.2016 at Bharathidasan University.
- ❖ Our College YRC volunteers 113 students had participated in First Aid & Safety training program along with YRC Program Officer on 10.10.2015 at AVC Thirumanamandaban. Dr.Pandian, TBML College trained the students and Bawa Honda, Mayiladuthurai organized the training program.
- ❖ Our college NSS and YRC volunteers participated in a rally on "First Aid and Road Safety programme" on 10.10.2015 organized by BHAVA HONDA, Mayiladuthurai.
- ❖ Environmental Awareness Rally organized by AVCCE, AVC arts & AVCPC. More than 1000 students participated in the rally on 31.12.2015. The rally started from TELC School and ended at Municipality office, Mayiladuthurai.
- ❖ Our College YRC organized a "Mega Eye Check up camp" on 12.02.2016 to the all staff members of our institution by Aravindh Eye Hospitals , Pondicherry. Around 209 staff members and their family members were benefitted by this eye checkup camp.
- ❖ Our College YRC volunteers, K. Siranjeevi, M.Sivaprakash, B. Siranjeevi, T.Sarankumar, S.Rajagobal, R.Vijay, A.Prasanth of 3rd year Mech-B acted as scribe for 8 blind students of AVC (Autonomous), for their Examination.

I owe my indebtness to the Board of Management for their continual counsel, guidance and motivation which inspired us to a greater extent. The kindhearted

approach, Positive attitude and Problem solving skills of our Management always encourage and boost our Morale by enabling us to put more hard work.

The collective wisdom of our Management 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 chairman i/c Dr. N. Vijayarangan and Secretary & Treasurer i/c Thiru. K. Karthikeyan and the members of Board of Management for their encouragement and constant support to face the academic and administrative challenges.

In this occasion, I express my immense gratitude to the management, Teaching and Non teaching staff, 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!

AVC COLLEGE OF ENGINEERING
MANNAMPANDAL, MAYILADUTHURAI

20th College Day: 00.00.2017

ANNUAL REPORT 2016-2017

Distinguished Chief Guest -----

Most respected Secretary and Treasurer i/c **Thiru. K. Karthikeyan**, Most respected Chairman i/c **Dr. N. Vijayarangan**, Respected Members of the Board of Management, Respected members of AVC Family, Principal and staff members of sister Institutions, Sincere and dedicated teaching, supporting and administrative staff members, parents, guests, Special invitees, Well-wishers, Respected members of the society, Donors, Members of the press, Citizens of Mayiladuthurai, and my dear students, I wish you all a very pleasant morning.

With great pleasure I Dr.S.Balasubramanian, present the Annual Report of this academic year 2016 – 2017.

I am very proud to present the history of A.V.C Institutions. The well known Anbanathapuram Vahaiyara Charities was established in the year 1806 by the philanthropic families of Anbanathapuram, Enathimangalam, Kanganamputhur, Karukudi and Pallavarayanpettai. In the year 1955, A.V Charities started A.V.C College to provide service in the field of higher education.

A.V.C Polytechnic College was started in the year 1983, to promote technical education in this rural area and AVC College of Engineering was started in the year 1996, with the vision of providing higher technical education to the students living in Nagai District. A.V.C College of Engineering is the legacy of A.V Charities whose successive generations of founding fathers have been doing philanthropic service to the society in the last two centuries.

From the inception, this Engineering College is growing from strength to strength and has blossomed into Post Graduate Institution offering seven popular UG courses, five attractive PG courses and is recognized now as Research Institution.

This college has more than 30 acres of land in an ever green atmosphere. It has individual spacious block for each department with a total built up area of about thirty thousand square meters worth Rs.12 crores.

Our Institution has ISO certification by DNV, Netherlands from February 2003 and the status is maintained till now. I am happy to state that the DNV lead auditors conducted the recertification audit and extended the validity up to the year 2018.

National Assessment and Accreditation Council (NAAC) has awarded 'B' grade certificate to this Institution in the year 2013.

National Board of Accreditation (NBA) has given accreditation to B.E - Electronics and Communication Engineering, B. Tech - Information Technology and Master of Computer Applications for three years from the year 2012 and the renewal process is on progress. In addition, in this year we have applied NBA accreditation for B.E Instrumentation and Control Engineering and MBA programmes.

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

The Department of Mechanical Engineering is recognized as research centre by Anna University, Chennai with effect from January 2013. At present 4 scholars are pursuing their Ph.D in part time mode and one scholar is undergoing Ph.D in full time mode in the Department of Mechanical Engineering.

Department of MCA is recognized as research centre by Anna University, Chennai with effect from January 2013 for doing collaborative research in Ph. D and M.S (Research) streams. Now it has been renewed

for the duration of another three years (2016 -2019). **3 Scholars in MCA department are pursuing research work in part time mode.**

Apart from that, **5 scholars** are utilizing our research center for their course work. **67** research publications in reputed journals were published from these two departments after they were recognized as research centers.

The Department of Science and Humanities has been Recognized as a Research Center for Ph.D/M.S under Anna University for the subject of Chemistry in the month of March 2016.

The Department of Science and Humanities is also applying for a Recognized Research Center for Ph.D/M.S under Anna University for the subjects of Maths, Physics and English.

In order to have national visibility for our institution- in line with Autonomous and University Colleges, A.V.C College of Engineering has submitted institutional data for National Institutional Ranking Framework (NIRF) to AICTE, New Delhi.

Financial assistance from various funding agencies for a tune of Rs.1, 15,000 for R & D purpose was fetched in the year 2015-16.

We have 125, 160 and 500 KVA diesel generators. They provide a total power back-up of 785 KVA power supply. In addition, one 10 KVA roof top solar power plant is available at the administrative block.

We have one 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. Around 6500 liters per day of back wash water from these RO system is effectively reutilized for toilet purpose and thereby the pumping energy is reduced and the water resource is saved as a measure to adhere the theme of AVC institutions “Conserve energy and water”. Each department is equipped with state of the art laboratory. However **7.88**

lakhs (7, 88,436.00) worth laboratory equipments are added recently to face the technological advancement in the respective field.

We have well organized computer laboratories with more than 800 systems of latest configurations and all students are provided with unlimited computing facility. Ours is a Wi-Fi enabled campus with 50 MBPS internet connectivity.

We have separate hostels for girls and boys with a capacity of 200 & 150 accommodations respectively.

Library is a place to connect, to share, to grow and help others expand their horizons. To satisfy the knowledge craving of the staff and students, our library keeps more than fifty six thousand (56,101) volumes of books, worth Rs. 1.69 crores. We have 3,869 CDs, 233 reputed journals and e-journals. This academic year, we have spent Rs. 21.36 lakhs to purchase books and periodicals.

Our institution has membership with IEI, IEEE, ASME, ISTE, DELNET, ICTACT, CSI and NDL.

This College now offers seven under graduate Degree Programmes:

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.

Five Post Graduate Programmes in:

1. Master of Business Administrations (MBA).
2. Master of Computer Applications (MCA).
3. M.E - Energy Engineering.
4. M.E - Computer Science and Engineering.
5. M.E - Applied Electronics.

B.E Instrumentation and Control Engineering, MBA and MCA Programmes ,B.E Information Technology, Electronics and Communication Engineering and Computer Science and Engineering are the Six courses which are having Permanent Affiliation with Anna University.

It is our pride that we have 2,126 students on roll. Among them **1,770** are UG Students and 289 are PG students and 46.19% of the total strength are the girl students. To sustain them with academic vigor, there are 157 Teaching faculties including librarian, physical director, placement officer and 119 Non-Teaching staffs.

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

Even semester – May 2016

- ✓ Overall pass percentage of UG students –
- ✓ Overall pass percentage of PG Students –

Odd semester - Nov - 2016

- ✓ Overall pass percentage of UG students -
- ✓ Overall pass percentage of PG students -

The Anna University Rank holders are offered with 8 grams of gold coin every year during the graduation day. We express our sincere thankfulness to the management for greeting them with 8 grams of gold coin and gold medal.

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

- ❖ 76 Faculty members have produced 100% results in the Anna University examinations held during last two semesters.
- ❖ 3 Faculty members namely Dr.S.Kannan, Associate Professor and Dr.S.Gowthaman, Assistant Professor of Mechanical department ,Dr. A.Ragavendiran, Assistant Professor of EEE Department and Dr. S.Rajalakshmi, Associate Professor / S&H have completed their Ph.D degree in this academic year.

- ❖ Prof.V.Tamilselvan , HOD /S&H and Mrs.S.Sathya ,Assistant Professor /S&H have submitted their thesis and awaiting for viva voce examination.
- ❖ **Prof. Dr. S. Selvamuthukumar**, Vice Principal is a **recognized** supervisor for guiding research scholars of PRIST University, Bharathiyar University & Anna University, Chennai and presently guiding **7 Scholars** and among them two scholars have been awarded with Ph.D Degree.
- ❖ **Prof. Dr. C. Sundarraj**, HOD / Mech **have been recognized** as a supervisor for guiding research scholars of Anna University, Chennai, Annamalai University and Karunya University, Coimbatore. Currently he is guiding 9 scholars and among them one scholar have been awarded with Ph.D Degree.
- ❖ **Prof.Dr.P.Balasubramanian** of Mechanical department is a **recognized** supervisor for guiding research scholars of Anna University and presently guiding 3 Scholars.
- ❖ **Prof.Dr.S.Vijayaraj**, Dean(Administration) department is a **recognized** supervisor for guiding research scholars of Anna University and presently guiding 4 Scholars.
- ❖ **Prof. Dr.R.Irene Hebzibah** of S&H department has been recognized as Supervisor for guiding research scholars of Bharathiyar University and presently she is guiding 4 Scholars.
- ❖ **Dr. J. Swaminathan** Assoc. Professor, **Dr. M. K. Sangeetha**, Asst Professor and in Chemistry ,**Dr.V.Vanathi**, Asst Professor and in Physics and **Dr.A.Ravi**, Professor and Head/EEE have been recognized as Supervisor for guiding research scholars of Anna University.
- ❖ 107 papers have been published in various National / International Journals by our staff members in this academic year 2016-2017.

- ❖ The total number of citations of our faculty members publications is **588** and the h index is **14** as per the Google information as on.
- ❖ 41 faculty members from UG departments [Civil,IT,ICE, ECE,CSE,EEE,MECH,S&H] and 16 faculty members from PG departments [MBA,MCA, MSc S/W] have attended various Workshops.
- ❖ 62 faculty members from UG departments [Civil,IT,ICE, ECE,CSE,EEE,MECH,S&H] and 11 faculty members from PG departments [MBA,MCA, MSc S/W] have attended various FDP's &STP's.
- ❖ 27 faculty members have published books in their area of expertise.
- ❖ 50 faculty members are pursuing Ph.D and doing Research Work in this academic year 2016-17.
- ❖ I also take much pleasure in bringing to your kind notice that we possess lot of skilled resources in the academic arena and hence **26** of our faculty members extend their services as Resource person in various reputed Educational Institutions.
- ❖ **Prof.Dr.S.Selvamuthukumar**, Vice Principal is a Member of Board of Studies of other Institution - A.V.C. College (Autonomous) Mannampandal, Mayiladuthurai.
- ❖ **Prof.Dr.G.Pradeep, Dean (Academic)** is a Journal Reviewer in the Journal of Technological Advances and Scientific Research (**JTASR**) and also Member of Board of Studies of other Institution - Annamalai University, Chidambaram.
- ❖ Prof.V.Tamilselvan,HOD/S&H,Dr.V.Vanathi,Asst.Prof,Dr.K.Krishna moorthy,Asst.Prof, Dr.M.K.Sangeetha,Asst.Prof, of S&H Department is a Board of studies member in A.V.C.College (Autonomous) and Bharathidasan university.

- ❖ **Prof. Dr.R.Irene Hebzibah** is a Reviewer in International Journal ANNALS OF FUZZY MATHEMATICS AND INFORMATICS, Global Journal of Pure and applied Mathematics and Springer Plus Journals .She is also a Member, Editor Review Committee, International Journal Of Scientific and Engineering Research, IJSER.
- ❖ **ISTE Staff chapter** organized 49th Engineers day in the topic “Skill development for Young Engineers to Reform the Core Sector: Vission 2025”, on 15.09.2016. Er. P. Balachandran, Senior Manager (Manufacturing), Cauvery Refinery, Nagapattinam acted as resource person.
- ❖ In R&D sector, the RPS Project fetched from AICTE for the tune of Rs.24,80,000/- by Dr. S.Vijayaraj as Principal Investigator is currently under ongoing process.
- ❖ **Industry Institute Partnership Cell** was ingurated on 10.09.16 and the chief guest Mr.D.P.Das, HR-corporate, (L&T, Chennai) presented his inaugural address on “How students could gather their practical knowledge by having interaction with IIP cell” .

I now present the achievements of our students

- ❖ **V. Jayasri- I B.E (CSE) and K. Shanmugapriya I B.Tech(IT)**, each received a merit scholarship of Rs.40,000/- per year from **Foundation For Excellence (FFE)** a registered non-profit organization based out of California and dedicated to supporting higher education for brilliant with a mission to provide scholarships to exceptionally bright students who have serious financial constraints.
- ❖ Eight first year girl students namely **S. Vinothini, V. Ayshwarya,S. Shifana Fathima, J. Arputha, K.Shruthi, R. Soundarya, M. Kavipriya and B. Poornaldevi** are shortlisted for **Pragathi Scholarship 2015-16** implemented by AICTE, New Delhi.

- ❖ Department of CSE & CSI Student chapter have organized 8 guest lecture programmes in this academic year 2016-2017 for the II, III ,&IV year CSE students.
- ❖ ISTE student chapter organized a programme on “Who is a real Hero?”for the UG students on 05-08-2016.For this programme Mr. Senthilkumar, Sirkali acted as a resource person and ISTE student chapter also organized a programme titled “Android Mobile App Development” on 14-02-2017 . Mr. R. Pradeep, SW Developer & Asst. Prof., MIET Eng. College, Trichy acted as a resource person.
- ❖ **IIP cell** has organized Implant training in Thiru Arooran Sugars Ltd, Thirumandakudi and Pondicherry power corporation Ltd., Karaikal for the students. IIP cell has organized a Seminar on non-destructive testing for Third year mechanical students on 18th of February 2017. To create awareness among students on latest innovation used in define sector, they have been sent to an Indoor exhibition organized by CVRDE in Avadi on 21.01.17.
- ❖ CSI Student Chapter (PG) have organized a Workshop on the topic “Open source tool “jMeter””. Mr.B.Mathivaanan, Technical Leader,HCL Technologies,Chennai acted as a resource person and 173 students were benefitted by this programme.
- ❖ **IIFE & ENFUSE** Students Chapters of Mechanical department has conducted many seminars ,guest lectures and Five days certificate course.
- ❖ **ED Cell** has conducted many Guest Lecture programmes for students welfare .
- ❖ 825 Students had participated in various seminar /symposium / workshops / technical events /conferences conducted by other Engineering colleges. Out of which 58 students fetched prizes and best paper award.

- ❖ Our students had undergone In-plant training in various companies NLC, ONGC, TNEB, ABAN, BSNL, CPCL, MANTE Electronics, Thermal Power Plant, Armada Industrial Automation M.R.K.Co-operative Sugar mills Ltd, BHAVINI, CPCL, Thiru Arooran Sugars Limited and ORBIT TECHNICAL SOLUTIONS etc., P.L.A Motors Authorized Maruti Suzuki Dealer, TamilNadu Transport Corporation Ltd, Kumbakonam, Southern Railway, Basic Training Centre, central workshop, Golden Rock, E-Soft IT Solutions, Neyes Technologies, All India Radio, Karaikal, Shijaj International Enterprises, Oman, Equadriga Software, Trichy, HCL Career Development Centre (Chennai), RD Web Services, Chennai, Gas turbine power station kuthalam.
- ❖ Our Mechanical and MBA students had visited different industries like Indoor Exhibition, Compact vehicles Research & Development establishment, Ministry of Defence, Usha Fire & Safety, Trichy, Chola Poly makers, Jaya Maruthi Pipes in SIPCOT industrial estate, Nagapatinam.
- ❖ Thanga Abirami.M of III CSE received a special award for Best Girl Student of the Year (2016) on Womens Day celebrations.
- ❖ N.Revathi of II MCA Won II Place in Voters Day awareness Programme.
- ❖ Mr.M.Vijayakumar of IIInd year EEE has secured silver Medal in National Level Archery Competition.
- ❖ P.Manikandan of IV EEE has secured gold and silver medals in zonal level Anna university tournaments.

We have organized 67 guest lectures, seminars, workshops FDP, and value added courses for the welfare of students and staff members.

Our College celebrated 2nd **International yoga day** on 21st June 2016. Mr. Thirumaran, Assistant Professor MANAVALA KALAI YOGA delivered the presidential address.

Book exhibition was conducted in Our Campus on 15th and 16th of June 2016. It was inaugurated by Mr. K. Karthikeyan, Secretary & Treasurer i/c, AVC group of institution and headed by Mr. M. Rajasekaran member AVC group of institution. Principal, Vice principal, Director Admin, Dean Admin, Arts and Poly technique librarians participated.

INDUCTION INVITE 2016 was celebrated in the A.V.C. College of Engineering, Mayiladuthurai with great enthusiasm for First Year B.E / B.Tech Programmes for the academic year 2016-2017 on 1st August 2016 College Campus. Mr. R. Shanmugavadivel, M.A., M.Ed., Discourse Orator was the Chief Guest and addressed the Freshers. In his speech, he congratulated the budding engineers for choosing this institution which is doing a great service to the humanity for more than 5 decades through AVC charity.

INDUCTION INVITE 2016 was celebrated in the A.V.C. College of Engineering, Mayiladuthurai for First Year P.G Programmes for the academic year 2016-2017 on 24st August 2016 College Campus. Mr. K. Karthikeyan, Secretary & Treasurer i/c, AVC Educational Institutions was the Chief Guest and delivered the inaugural address.

70th Independence Day was celebrated in our college and Mr. G. Magesh, Member Board of Management, AVC Institutions presided over the function and hoisted our National Flag. Our students of Fine arts club enthusiastically participated in various cultural events.

AVC Educational institutions organized a big Rally based on the topic "Green India". The rally was started by Mrs. Tamilselvi, Police Inspector Mayiladuthurai. The rally was headed by **Mr. K. Karthikeyan**, Secretary & Treasurer i/c, AVC Educational Institutions and more than 1000 members participated in the rally.

Environmental Awareness Rally was organized by AVCCE and more than 850 students participated in the rally on 30.12.2016. The rally started from TELC School and ended at Municipality office, Mayiladuthurai .Our College YRC Volunteers 81 students also participated in the rally.

49th Engineers' Day was celebrated in the theme of “Skill Development for Young Engineers to Reform the Core Sector: Vision 2025” at our College with great enthusiasm on 15th September 2016 .Thiru. M. Rajasekaran, Member, Board of Management, A.V.C. Educational Institutions presides over the function and explained about the roles and responsibilities of engineers in Engineering Field. Er. P. Balachandran, Senior Manager (Manufacturing), Crude Distillation Unit, CPCL, Cauvery Basin Refinery, Panangudi, Nagapattinam,was the Chief Guest and addressed the gathering.

In Our College, **68th Republic Day** was celebrated in a grand manner. The Secretary & Treasurer i/c, Mr.K.Karthikeyan was the Chief Guest and hoisted the National Flag in the college premises. Foreign Delegates, Members of Board of Management Mr.S.Jayakumar, Mr.M.Rajasekaran, Mr.G.Magesh, Mrs.Karthikeyan, Principal, Vice-Principal, Directors, Deans, HODs, Staff members and Students of AVC Engineering College participated.

Our College organized ‘**TechnothirsT**’ **16-17-** Two Days National level Technical Symposium for Engineering Students for the Tenth time on 24/02/17 and 25/02/2017. According to an institution release, the two days Symposium was inaugurated by Dr.T.Velmurugan, Associate Professor, P.G & Research Department of Computer Science, D.G.Vaishnav College, Arumbakkam, Chennai and released the souvenir of the Symposium, the first copy was received by Dr. N. Vijayarangan, Chairman of AVC Educational Institutions.

Several Technical sessions were conducted on these two days on different emerging topics. This mega event was organized for seven undergraduate programmes and two postgraduate programmes. Nearly 345

Technical papers were received from 35 colleges all over Tamilnadu and Puducherry states of which 291 have been selected for presentation in the various technical events.

Dr.T.Alwarsamy, Professor in Mechanical Engineering, Govt. College of Technology, Coimbatore (Liason Officer, Directorate of Technical Education, Chennai) was the Chief Guest for the Valedictory function and distributed the Certificates and Cash Awards to the participants.

Our college conducted a **Domestic Awareness Program** on Practices for Fuel Conservation on 7th Febraury, 2017.This Program was organized by Women Empowerment Cell of AVC College of Engineering and ONGC, Karaikal. Smt. Bhuvaneshwari, Trainer, Petroleum Conservation Research Association (PCRA), was the resource person. The women Faculty members and Post graduate students of Department of Computer Applications participated and benefited.

Internal Quality Assurance Cell (IQAC) conducted a research seminar for our faculty members on 3rd March 2016 in the topic of “ Role of Interdisciplinary research for effective health care delivery - A multi prolonged approach”. Dr.P.Ganeshkumar., MD., Scientist C , National Institute of Epidemiology , Indian council of medical research(ICMR), Chennai acted as the resource person.

Our College organized a **One day National Conference** on “MATHEMATICAL MODELLING FOR ENGINEERING - NCMME 2017” on 8th April 2017. It created a center of attention for many researchers of this field in the remote rural area. This programme was organized by the Department of Science and Humanities of our College for the first time and monetarily supported by the Board of Management of AVC Institutions. Dr.M.Sundararajan, Senior Principal Scientist cum Professor of Engineering Mathematics (CSIR- Academy of Innovative Scientific Research), Dhanbad Jharkhand, inaugurated the one day National Conference. Nearly 160 Technical papers were received of which 138 had been selected for presentation. More than 160 Students and faculty members gave their

active participation from 60 institutions, 14 universities of various States of our Country (in particular Tamilnadu, Puducherry, Andhra Pradesh and Jharkhand states) in the conference. These selected papers will be published in the Reputed Journal Global Journal of Pure and Applied Mathematics, Research India Publications, New Delhi shortly. Dr.A.NagoorGani, Associate Professor of Mathematics, Jamal Mohamed College, Tiruchirappalli, was the Chief Guest for Valedictory function. He appreciated the conference organizing team for making a forum to the researchers to enlighten their knowledge in the latest research fields.

Several Training Programmes have been organized to the Pre-final and Final year students to improve their Communication Skill, Group discussion and Aptitude skills to face the interviews.

As a result of this, 232 students were placed in 20 different companies such as WIPRO, CTS, Accenture, INFOSYS, GSH India Pvt Ltd., SPACE CADD, CHENNAI, TECH MAHINDRA, CHENNAI, Vinayak Info Tech, E-nations Pvt Ltd, Fony Technologies, ADITYA BIRLA GROUP, Chain-Sys, in Isourcs India, QUADRIVIUM TECHNOLIGIES, Vee Technologies, TNQ,Chennai, CSS Corp, NY Systems, VNC, Micro Flow Devices, Cedila Financial Service, Ventura Capital, etc,...

The work orders for the placed students were issued to the students by our Secretary on 17th February 2016. Still, our journey continues and we are marching towards 100% placement in the forthcoming months. Apart from our students, the Training and Placement cell arranged placement for 39 students of other institutions including our sister institutions in this year by conducting pool drives and we are extending our services to the passed out students also.

All the passed out students are members of our Alumni Association. I am proud to say that the alumni can make the flag of AVCCE fly high in all the segment of industries includes Nationally & Internationally.

Many guest lecture programs were delivered by our alumni on different areas like “Latest trends in Software Testing”, “Interpersonal Skill

Development”, “Group Discussion & Aptitude Training”, “Emerging Entrepreneurship” etc.,

Mr.B.Vinoth (Alumnus B.Tech IT – Batch 2006-2010), has conducted Communication Skill Development Programme, GATE Awareness Program, Training for TNSLPP, Job Awareness Program, Aptitude Training Programme for our final year students.

The Tamil Nadu Government Job Fair’16 for Nagapattinam District was conducted in our campus on February 5th 2016.

I am happy to announce Our College organized the Zonal (Zone XV) Basketball (Women) tournament for the year 2016-17 on 17th & 18th August 2016 in our campus and our team secured Runner-up in this event.

We have organized the Zonal (Zone XV) Ball Badminton (men) tournament for the year 2016-17 on 18th & 19th September 2016 in our campus and our team secured Winner-up in this event.

Our college Men and Women teams Participated in the Anna University Zonal and Inter zonal Tournament and won various prizes.

Men TENNIS team won the winner’s trophy and our college Women CHESS teams won the winner’s trophy (First Time in our college history).

Our college Men BALL BADMINTON team won the winner’s trophy, Men CHESS team won the runner trophy, BASKETBALL (WOMEN) team secured runner trophy, Badminton (MEN) team secured third place, Badminton (WOMEN) team secured Fourth place, Women TABLE TENNIS team secured Fourth place and in Athletics (Men & Women) team secured Fourth place.

P.Dharani Rajan From Second Year MCA Secured Silver Medal under 25 age category and M.Vijayakumar from Third Year EEE Secured Silver Medal under 22 age category in the student Olympic Association 3rd National Games 2016-17 Archery,Organized By Vikaram University, Ujjain, (M.P).

Y. Anurag kashyap from Final year Mechanical and S. Sivaharish from Second Year Mechanical secured gold medal under 22 & 19 age category in the 3rd state games 2016-17 chess tournament, organized by the Tamilnadu Students Olympic Association.

P.Dharani rajan from Second Year MCA and M.Vijayakumar III Year EEE have been selected and represent Anna University in the All India Inter University Archery Championship ,to be held at Krishna University Machilipattinam, Andhra Pradesh.

Dr. G. Pradeep, Dean (Academics) & Mr. A.V. Muthukumaran, PED, Secured WINNER-UP Title in Badminton and Mr. A. V. Muthukumaran, Secured WINNER-UP Title in Chess at Periyar Memorial Staff Tournament among the Engineering Colleges and Universities of five Districts, Organized by Periyar Maniammai University, Thanjavur.

A.V. Muthukumaran, Physical Education Director, has appointed as a selection committee member for Anna University Swimming (Men & Women) Team held at Anna Stadium Trichy.

A.V. Muthukumaran, Physical Education Director, has been appointed as a selection committee member for Anna University Basketball (Men) Team held at Kumaraswamy college of Engineering ,Karur. The Men team secured Runner- up in the All India Inter University Tournament 2016-17.

A.V. Muthukumaran, Physical Education Director, has participated in "International Conference on Yoga" held on 10th & 11th March 2017 Organized by Tamil University, Thanjavur.

In A.V.C. College of Engineering, 20th ANNUAL SPORTS MEET was held on 25th February 2016. Thiru N. Gnanasundar, B.A., Member, Board of Management, AVC Educational Institutions inaugurated the meet by hoisting the Olympic flag and the Sports Day address was given By the Chief Guest Dr.R.Natarajan, International Athlete, Superintendent of Customs, DIRECTOR- ISPA, Chennai .

Blood Group Identification camp was conducted on 05th and 06th January 2017 with TASAC & GH ,Mayiladuthurai and 1261 students identified their blood group in the camp.

Our students and staff members donated around 4898 (4543+355) units of blood since 2003.

Driving License camp was conducted with the support of Meikandar ITI for the Seventh consecutive year and this year 63 students got benefited

International Women's Day was celebrated on 8th March 2017 which was organized by the Women Empowerment Cell of our college. Competitions namely Folk Dance, Mehandhi, and Collage Contest were conducted for our female students and surprise games were conducted for our female staff members as a part of the International Women's day. Many students & staff members participated in the contests and bagged the prizes.

Women's day address was given by the Chief Guest Mrs.Usha Balaji, General Manager, Finance and Administration, IA Flow Elements Pvt. Ltd, Chennai.

Our Fine arts club students exposed their talents in various events like singing song, poem, speech, short story telling and interesting facts about science in Ilaya bharatham, a Youth variety programme organized by All India Radio, Karaikal. It was broadcasted in 2 different slots.

Yoga club organized a "Yoga practice" for our Faculty members (Teaching and Non teaching) and P.G Girls Students on 21.12.2015 addressed by Dr.M.Rajasimman B.D.S.

We are successfully operating 30 buses, to various places like Chidambaram, Kumbakonam, Thiruvarur, Kuttalam, Mangaimadam, Poombukar, Manalmedu, Thirupanandal, Kali, Sirkazhi, Peralam, Porayar and Mayiladuthurai for the benefit of students and faculty members. Out of which 18 buses are running exclusively for A.V.C College of Engineering

and the remaining buses running in our sister concerns are effectively utilized by our students in sharing basis.

Our College NSS units are successfully functioning with the leadership of Dr.R.Subash, Unit-I, Department of S & H and Mr.K.Ramesh, Unit-II, Department of CIVIL. The regular and special camp activities were mainly focus on the theme of “Healthy Youth for Healthy India”. The regular activities are mentioned below.

- ❖ Our College YRC had organized many Blood Donation camp and Collected more than 355 units of blood from staff & Students in our College through Govt. Hospital ,Mayiladuthurai & Kali blood bank, Thanjavur , TMC Hospital, Medical College, Thanjavur ,on 12.08.2016 &18.02.2017.
- ❖ International Yoga day Program was held on 21.06.2015 with Mr.M.Alexander Muthu Rengan as resource person and Mr.N.Gnanasundar, BOM, AVC Institution as chief guest.
- ❖ Fire Office, Mayiladuthurai conducted “Fire and Safety Programme” on 21.09.2015.
- ❖ National Postal Week day was celebrated on 06.10.2015 & 07.10.2015.In this context, Philately Exhibition and “My Stamp Counter” was conducted by the postal department, Mayiladuthurai.
- ❖ Dr.A.P.J.Abdul Kalam birth day was celebrated as “Youth Awakening Day” on 15.10.2015.In this context, Essay competition was conducted in the Topic: “Envision & Innovate”. Mr.K.Karthikeyan, Secretary, AVC Institution, distributed the certificates to the prize winners.
- ❖ Sardhar Vallabhbai Patel birth day was celebrated on 31.10.2015. In this context, Elocution competition was conducted in the Topic: “Patel’s Contribution to the Unity of Modern India”. Mr.K.Karthikeyan, Secretary, AVC Institution, distributed the certificates to the prize winners.
- ❖ Our College YRC Program officers Mr. S.Kannan and Dr.R.Subash received the Medal & Certificate on behalf of our institution for

highest blood donation in Nagai district at “Voluntary Blood Donation day 2015” function on 7.10.15 at Heath and family Welfare Training Centre, Egmore, Chennai. Dr. Vijayabaskar, Minister, Health and Family welfare, Tamilnadu delivered chief guest address and distributed Medals & Certificates. Tamilnadu AIDS Control Society presides over the function.

- ❖ Our College YRC organized a “Mega Eye Check up camp” on 12.02.2016 to the all staff members of our institution by Aravindh Eye Hospitals, Pondicherry. Around 209 staff members and their family members were benefitted by this eye checkup camp.
- ❖ Our College YRC volunteers, K. Siranjeevi, M. Sivaprakash, B. Siranjeevi, T. Sarankumar, S. Rajagobal, R. Vijay, A. Prasanth of 3rd year Mech-B acted as scribe for 8 blind students of AVC (Autonomous), for their Examination.

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

The collective wisdom of our Management 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 chairman i/c Dr. N. Vijayarangan and Secretary & Treasurer i/c Thiru. K. Karthikeyan and the members of Board of Management for their encouragement and constant support to face the academic and administrative challenges.

In this occasion, I express my immense gratitude to the management, Teaching and Non teaching staff, 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!