ANNUAL REPORT 2018-19

(16-04-2019)

Education is best provision for life's journey - Aristotle.

"Ability is what you are capable of;
Motivation determines what you do;
Attitude determines how well you do it."

Honourable Chief guest of the function Sri. K. Prakash, President of the Function Mr. Vivek Alva, Deans and Heads of various Dept. members of teaching faculty and supporting staff, my dear students, ladies and gentlemen.

It is my pleasant duty and proud privilege to present the 11th Annual Report of the institution for the academic year 2018-19. As we continue our legacy of academic excellence in teaching, research and service-oriented outreach, we are committed to achieving excellence in technical education and producing responsible citizens and progressive leaders.

This academic year has been very fruitful year for the institution since we could witness many academic activities by the students & for the students. The Institution has also made all efforts to teach beyond the curriculum to provide additional inputs to enhance the knowledge of students. Our efforts to offer training in soft skills & entrepreneurship is well appreciated. We are proud of our students for their exemplary behavior, respective and participative attitude & eagerness to know new technological developments & adoptability to the changes. Proactive management & qualified, experienced and dedicated faculty are the other advantages of this institution which have made this organization as one of the most sought after in this state.

About Institute:

Our institute offers graduate courses in

1. Civil Engg, Computer Science & Engg, Electronics & Communication Engg.-with an intake of 120
2. Information Science & Engg- with an intake of 60
3. Mechanical Engg-with an intake of 180 students.
   Post-graduation in Business administration- with an intake of 120
4. Institution is recognized as a Research Centre of VTU in the Dept. of Mechanical Engg, Electronics and Communication Engg, computer science & engg, Engg. Physics, Engg. Chemistry, Engg. Mathematics and Business Administration.

Infrastructural Development in Institution:

Laboratories of all departments have been modernized by equipping them with state of art equipment. Strength of Wi-Fi facility has been enhanced to 400 Mbps. Central library has been equipped with 83 Journals and 1120 volumes have been added in this year and also. E-resource from VTU Library consortium is made available which is worth of 18 lakhs in this academic year along with 8600+ international journals and 13588 e books.

AIET is recognized as i -OS Developer University Program from Apple developer program support. GNU/Linux Floss, Envision Lab, Invention & WE Lab, MEMS Lab, Basic Science lab, Alvas Centre for Advanced Research are established in AIET to train the staff and students of the institution. Robotics lab was also established in the institution with collaboration of Indian Institute of Technology Mumbai. The Institution has signed MOUs and Academic collaboration with 38 organizations mentioned few like 7 European Universities, Kumomoto University, ISRO, Entrepreneurship Development Institute of India, Ahmedabad, Defence Institute of Advanced Technology Pune, New York State University USA, Oscki Labs, Bangalore, Indian institute of Science, HAL, BEL, BEML etc

Students Activites:

Inauguration & Orientation programme for fresher's (1st Year students)was organized on 8th August 2018 commodore Ben H Berson, Head Academics, Indian Navy Academy, Kannur & Dr. M.Mohan Alva, Chairman Alva's Education Foundation were present.

AIET is a learning centre, where students are involved in learning and training process from various industrial and research organisations in terms of internship and attending certification courses and also industrial visits. Industrial visits are mandatory in every dept in each semester.

Pre-placement training and boot camp of 40+ days was conducted for all **Final Year** students to make them employable and preparing them for future life. 10 days Aptitude Training by FACE, Bengaluru, 2 Days Soft skills and resume writing, 2 days Personality development and public speaking, 4 days Quantitative Aptitude training. Remaining days to prepare them in their domain area. Pre-placement training also conducted for 3rd Year students of all the branches in their respective domain areas.

Students of 3rd CSE were completed Certification programme on Data Science & Data Analytics and 2nd year students were completed 8 days Cyber Security Certification. 2nd & 3rd year students attended the 8 days certification programme on "Machine Learning using Python" . 3rd and Final years students of circuit braches were attended 15 days Internship on "Deep Learning" conducted by resource persons of IIIT, Allahabad in January,2019. Department of CSE organized a Mockathon-Hackathon for 2nd & 3rd Year ECE/ISE students to give the awareness about Hackathon **and also** organized a state level Open Hackathon-2019 in association with HackerEarth. The Department of Computer Science & Engineering, organized a Intercollegiate Technical Fest TECHNOFIA'19 on 14th & 15th March,2019.

Department of Electronics & Communication Engineering has organized AGAMYA on 18th March 2019.

Department of Information Science and Engineering organized three days workshop cum certification program on "**Machine Learning with Hands On session**" and Certification program on "**iOS App Development with Hands-on session**".

Department of ISE organized an intercollegiate level hackthon "Tech Crunch 2018" in association with the ISTE New Delhi, Student chapter AIET.

"**CINI FEST-2019**" – A charitable movie show was conducted for our students on 16th and 17th Mar 2019 at AIET and Vidyagiri Campus. Basically this is a social service activity focused to help needy people of the society. In this show about Rs 1 Lakh was collected and as per the wish of our beloved chairman Dr. M Mohan Alva, the amount will be donated to the families of martyred CRPF personnel during the recent Pulwama attack.

Technical paper has been accepted of Final year students project work at "International Conference on Advancement in Computing and Management-(ICACM 2019)", Jagannath University, Jaipur, and Six batches have submitted paper at International Conference on Computer Networks and Inventive Communication Technologies"-, RVS Technical Campus, Coimbatore. Mr.Chandan Shastri from 7th sem , received appreciation letter from ISRO for developing web page on "Real Time Monitoring of Automatic Weather Station" during his internship at ISRO and Mr.Chandan Shastri also received Indian Provisional Patent with no clashes for developing " Smart Iron Box".

The Department of ECE has conducted the 3 days Certification Program on "Advanced C programming" from 17th to 21st september 2018

A certification course on Google Sketch-Up software and Miniature 3D modeling was successfully completed by final year civil engineering students. An intercollegiate technical fest MINERVA 2019 was organized by Department

of Civil Engineering under Dept forum. A batch of 3 students from 6th semester was selected for the execution of a project at NRSC, Hyderabad.

Department of Civil Engg, has introduced a parallel Architecture Diploma Certificate course for Civil Engg students (during weekends), which is first of its kind in Karnataka, that any Engineering college without B. Arch UG program has initiated Architecture Diploma Course. About 35 students have registered for the course.

During April 9th and 10th, an intercollegiate technical fest was organized by Department of Mechanical Engineering and it was a successful event.

Department of Mechanical Engineering has conducted a certification course in association with BOSCH REXROTH and VTU on Hydraulics and Pneumatics. Dept also organized certification courses in 3D printing technology and CATIA V6. Dept of Mechanical Engineering organized work shop on "how to write a technical paper for conference & journal" and "Research Design and Data Collection". Dept had also conducted training programme on "Maintanance of Mechanical Laboratries" for Non Teaching staff. Dept of Mechanical Engineering organized a talk addressing to Staff on Code of Conduct and Professional Ethics.

Micro Project programme is initiated to first year students and it was successfully carried out and exhibited by first year students.

About 544 students of 3rd Year & 4th Year were successfully completed 15 to 45 days of internship programmes during last vacation from NARL, NRSC, IIM, IIIT-Allhabad, HAL, BEL, RRSC-ISRO, Sasken Bangalore, nuclear power plant Kaiga, Seimens Mubai, Toyota, Bosch Automotive Electric Pvt. Ltd Bangalore. etc.

As a part of industrial visit, Students of Computer Science and Engineering visited Varahi Hydro Electric Project(VHEP). The Students of E&C Engg visited CPRI, IISc and BEL on 18TH AND 19TH of Oct 2018, All India Radio, Bangalore, MCF Hassan 28th October 2018. The students of Civil Engineering dept visited

various industry sites like Chakra dam, Savehaklu Dam, Sharavathi Power Station, Alamatti Dam-Hydroelectric project in Bagalkot & Water Treatment Plant Bagalkot, Badami Caves, Ready Mix Concrete Plant and Water Treatment Plant at Bijapur. Another team of students also visited Bhoruka Hydro Electric Powerhouse at Dharmastala, Nirmithi Kendra Surathkal. Apart from long distance site visits, students have been taken to many local sites in order to give better field exposure such as Gurupur River Bridge construction site, Moodabidri Solid waste Management site etc. Dept of ISE organized industrial visits to Wipro Technologies Kochi, Nuclear power plant Kaiga Plant, ISRO and HAL Bangalore. Students of Business Administration organized a industrial tour to Pune and visited M/s. Cooper Corporation, M/s. Gestamp Services Pvt. Ltd., M/s. Thermax and also Magarpatta Township Development Company, Pune and local industry like SKF Boilers and Driers Pvt. Ltd Beluvai, Central Plantation & Crops research institute, Kasargod and Model Farm, Miyapadav.

Students and staff of Civil Engg department have constructed Toilet for under privileged school at Marody and initiated the construction work at Saavya village near Moodbidri.

A nature club Shrasti to study and to create the awareness about the nature and a speakers club Roastrum to help public speaking and train them in soft skills, a unique association were established in Engg College and working for the students community. NSS unit of engineering college was arranged a blood donation camp "Sanjiveeni". And Swacth Mijar program.

Staff/students Achievements:

22 students have completed their Project Work at NARL, Tirupathi , NRSC Hyderbad, and RRSC Bangalore ISRO group.

Students of computer science Dept. were developed 20 Apple iOS Apps and 4 apps were approved by App Store.

Seven of our B.E students' projects (2 EC, 3 ME, 2 CV) have been selected by Karnataka State Council for Science & Technology, Govt. of Karnataka for funding.

Sohan Poojari S S ,Venkatesh Ragam, U Gobind, Tejas B of Mechanical Engineernig have won AICTE Chathra Vishwakarma Awards-2018.

Mr. Shikar V Jain mechanical engineering Qualified for the Japan government scholarship for the Internship programme at Kumamoto University in the month of March 2019 and also received grant from AICTE. New Delhi.

Mechanical students were designed a formula car Drutha and also part of formula Bharath 2019.

48 students of 5th & 7th Sem have cleared NPTEL online certification course in this academic year.

65 technical papers were presented by our students in national and international conferences in different institutions in this academic year.

Cadet Uday Kumar, from 4rd year Mechanical, has been to RDC in year 2018, there he got selected for Youth Exchange Program. He had been sent to Bhutan as YEP delegation team from 12 Dec to 18 Dec 2018 and represented India.

CDT Mayya Sharath from 2nd year ECE had represented to Republic Day Camp (RDC) held at Delhi. There he took part in Prime Minister (PM) Rally and had an opportunity to visit and dinner with Air Chief Marshal. CDT Shreetal Kalabandi from the 2nd year CSE and CDT Chirag K R from the 2nd year ME, had been to All India Vayu Sainik Camp (AIVSC) held at Jodhpur. Cdt Keerthinath B M from 2nd year ME and CDT Vikas M from 2nd year CSE had been to Basic Mountaineering Course from 01 Mar to 29 Mar at Himalayan Mountaineering Institute at Darjeeling. Vijayalaxmi P Shivanagutti our NSS volunteer has been selected and participated in state Republic Day parade 2019 at Bangalore.

Department of ISE received funding project from VGST, Government of Karnataka, worth of Rs **5 lakhs** under the guidance of **Dr.Roopalakshmi R**,

for the title "***Detection of Artificially Ripened Fruits using Spectrometric Techniques"*** Presently it's an ongoing project.

Prof. Satyanarayana attended an International Conference on 26th and 27th October 2018 Paris, delivered a keynote address.

3 Faculty members, and 11 students of various branches represented AIET in the International Engineering Symposium 2019 at Kumamoto University, Japan and presented their research work in the conference.

Physics dept research Center has sanctioned with Rupees 1 crore of research funding from KCTU, Karnataka Government for establishing research and development center. 5 Students patents are registered in this academic year in AIET in the research work of our students.

Chem. Dept Procurement of instruments worth **5 lakhs** for research purposes were done under VGST granted Project for the Electrochemistry lab in Basic Sciences Research lab.

Prof. H Ajith Hebbar, dept of civil engineering received his PhD degree for his research work from VTU Belagavi. Prof. Shankar B.B. dept of E&C has successfully completed his Ph.D. Degree from Jain University, Bangalore.

Workshops/Seminars/ conference

Seminars/ Workshops for the students & faculty member of any institutions are very much essential for overall development & impart quality education.

Department of Civil Engineering organized Pre placement training for final year student. 5 days training program on communication and usage of softwares for non teaching staff was organised. 3 Certification courses on Sketchup Software, revit architecture and visual arts were organized. 6 days Survey Camp was organized for the students of 6th semester in Mijar and Yedapavu.

Department of CSE organized 5 days Workshop on "**Web Development using PHP & MySQL**", 5 days Workshop on "**Object Oriented Concepts**", Workshop on "**Big Data for Hadoop**" and "**Latex-Documentation Process**" , 5 certification courses such as Machine Learning and Cyber Security, Kaliyona Computer at Marodi, 6 Soft Skills such as Mock Interview, Group Discussion,2 talks on Professional Ethics and a Training Programme on Open Source Softwares.

Department of Information Science & Engineering was organised two certification courses on "Machine Learning" and "iOS Application Development". The Department was organised 3 days workshops on "HTML, PHP and DATABASE –Mini project with hands-on sessions" for 2nd and 3rd year students, 2 days Student Development Program on "Introduction to LaTeX" for Final year students and 2 days workshop on "Hardware and Networking Concepts: hands-on session" for 1st year and 2nd year students.

Students were published 11 technical papers in various international journals.

The Department of ECE has conducted the 5 Day Student Development Program (SDP) on "Technical Aspects in Electronics & Communication Engineering". The Department of ECE has also conducted the 5 days workshop on Python programming for 3rd semester students.5 days Certification Course on Python Programming 22nd to 27th October 2018.Certification Course on C and Data Structures from 23rd March to 16th April 2019 .Department of Electronics and Communication Engineering also conducted Workshop on Applications of Python Programming in Data analytics – Research Perspective from 21st to 25th January 2019.

Department of Electronics and Communication Engineering organized FDP for the faculty members during the academic year 2018-19.FDP on Theoretical and programming skills of electronics and communication engineering from 28th to 29th July 2018.One Day Training Program on EMS on 25th January 2019

Dept of Mechanical Engineering organized a CNC Machine training for final year students as well as local ITI and Polytechnic students.

Department of CSE/ECE/ISE conducted a 3 days International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT) during 6TH & 7TH of Sept, 2018 in association of IEEE Bangalore chapter and Dr. Alvaro Rocha, Professor, University of Coimbra, Portugal was the guest of honour.

Certification course on "Advanced Diploma in Payroll, tally, GST, Accounts" by Ganesh Rao, from September 2018 to April 2019 and a certification course on "Working with Microsoft office 2013 from October 2018 to May 2019.

I am extremely happy that our staff members have published 63 Technical research papers in International Journals and 54 Technical papers in national & International conferences in this academic year. I feel proud to say that various departments of Engg and Dept of Business Administration have arranged 79 Technical Talks on current topics on Technology & Management. Experts from premier Institutes like IISc, NITK, HAL, CPRI, ISRO, Manipal University and also from Major Industries shared their knowledge with our students & staff.

Sports/Games activities in the campus:

Management of AIET has provided ample opportunity for students to take part in sports & games. This year also we have participated in most of the tournaments being conducted by VTU & other reputed organizations.

I am proud to say that our college students Simona Mascarenhas, Shivaranjini M S, Nethra Suresh, Laxmi B, Rashmi K B, Nagashree D, Naveen Gowda, Ravi Math, Chinmay Ganesh, Deeraj, Sujan Shekar, Rishab Rajesh Rao, Prakyath Shetty, Rajath Rai, Sumanth B Rao have represented VTU in all India interuniversity competitions.

AIET athletic men and women team have won overall team championship with two new meet records with 28 medals, fifteen gold, six silver and seven bronze medals. Our gold medalists are Simona Mascarenhas, Naveen Gowda, Ravi Math, Deeraj, Sujan Shekar. Our silver medalists are Nethra Suresh, Shivaranjini M S, Kiran Kumar, bronze medals recieved by Mounish, Rathnakara, Abhilash, Laxmi, and Seema.

Rishab Rajesh Rao of 2nd year engineering won gold medal in VTU intercollegiate Powerlifting Championship. Rachana C of 2nd year engineering won bronze medal in VTU intercollegiate Wrestling Championship.

AIET Weightlifting men's team won team championship with one gold, two silver medals and one bronze medal. Gold medal won by Prakyath N Shetty Silver medals by Philip & Ramesh and Bronze medal won by Mahesh. A.I.E.T cross country men's team winners & women team runners in VTU Intercollegiate Inter Zonal cross country championship, held at AITM College Bhatkal.

A.I.E.T kho-kho mens team winners at VTU Inter Collegiate Mangalore Zonal Kho-Kho Championship, held at VCET College Puttur.

Exam Results

For the Academic year 2017-18 the overall passing percentage from all branches of AIET is as follows.

Program Code	Program Name	Pass Percentage
CV	Civil Engineering	86.23
CSE	Computer Science and Engineering	98.86
ECE	Electronics and Communication Engineering	98.08
ISE	Information Science and Engineering	100
ME	Mechanical Engineering	100

MBA	Master of Business Administration	88.88
CSE[PG]	Computer Science and Engineering	100

Placement Activities:

It is a challenge for any Institution to encourage companies to accept the students for recruitment in these competitive days. The Companies feedback about our students has been very good. The pragmatic, professional and ethical approach of us has ensured a positive image for the college which has worked well to sustain a meaningful and long standing relationship between the college & visiting companies. Many innovative initiatives being introduced by department of training & placement to enhance students competence & moral is worth appreciating here. The process of recruitment will continue through the semester with several reputed companies want to recruit our students. 112 companies visited our campus so far in this academic year like E and Y, TCS, Wipro, IBM, Bosch Automation, Oracle, Automotive Axles Ltd, and many more. 342 students were placed so far in this academic year. We on behalf of Management proudly congratulate all the students recruited. Many more companies will visit our institution in the coming days.

All these developments are mainly due to the encouragement and support extend by our beloved chairman of Alva's Education Foundation Dr. M. Mohan Alva. Let me take this opportunity to express my deep sense of gratitude & sincere thanks to him for all the cooperation & encouragement. I would also thank Mr. Vivek Alva, Managing Trustee, who is always a part and guide of all our activities. Also I take this opportunity to thank all the teaching and nonteaching staff members of this institution for making this campus a place well suited for shaping career of our students by creating required academic ambience. My thanks to all my students for their exemplary behavior in the campus and also for their enthusiastic participation in all the curricular & co curricular and extracurricular activities in the campus. I wish

all my dear students Good Luck and all the best. Thank you one and all for your precious time.

Principal