



ACADEMIC YEAR 2018-19

ANNUAL REPORT

Ten years for an institution is a worthy stage where one can start matching expectations with results, objectives with achievements and above all, blessings enjoyed with difficulties and hardships endured. *Akshaya* has emerged as an engineering institution with difference, a promising institution of the region providing value added, quality education in engineering, and an institution striding towards excellence. With a vision to attain excellence through perfection, several steps are being undertaken for multi-dimensional growth of the institution and effective industry-institute interface, contributing in turn, towards the growth of a healthy and happy society.

Akshaya Family: We have 1064 students, 6 B.E. courses namely Civil Engineering, Mechanical Engineering., Mechatronics Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering., Computer Science and Engineering, and 3 M.E. courses namely Structural Engineering, VLSI Design, Computer Science and Engineering. We have 145, well qualified faculty members and 100 non-teaching staff members on roll. We maintain a teacher-student ratio of nearly 1:20, in line with the AICTE recommendations.

Academic Performance of the Students:

Our students have performed satisfactorily in the Anna University End-Semester Examinations. The UG students of our 2014-18 batch has produced 52.7% results and PG students have produced 77.7% results. Out of 347 UG students and 9 PG students, 183 UG students and 7 PG students have been successfully graduated.

The department wise pass percentage of our students are:

2017-18- Even Semester

Overall result of the institution in the academic year 2017-18 Even Semester is 39%.

B.E. Civil Engineering – 28%

B.E. Mechanical Engineering-37.3%

B.E. Mechatronics– 34.5%

B.E. Electrical & Electronics Engineering – 29.1%

B.E. Electronics & Communication Engineering – 54.8%

B.E. Computer Science & Engineering – 42%

M.E. Structural Engineering – 57.1%

M.E. CAD/CAM – 100%

M.E. VLSI – 100%

M.E. Computer Science and Engineering – 80%

2018-19- Odd Semester

Overall result of the institution in this academic year 2018-19 Odd Semester is 29%.

B.E. Civil Engineering – 26.8%

B.E. Mechanical Engineering-20.1%

B.E. Mechatronics– 29.3%

B.E. Electrical & Electronics Engineering – 28.3%

B.E. Electronics & Communication Engineering – 39.7%

B.E. Computer Science & Engineering – 39.3%

M.E. Structural Engineering – 8.3%

M.E. Computer Science and Engineering – 60%

M.E. VLSI Design – 50%

Every year the college has University Rank Holders which is one more feather in the cap of the institution.

ANNA UNIVERSITY RANK HOLDERS

Under Graduate (Batch 2014-18)

Rajalakshmi S, B. E. Mechatronics – Rank 2

Vijaykumar N, B. E. Mechatronics – Rank 12

Sivaranjini R B.E. ECE – Rank43

Arun Kumar P – B.E. Mechanical – Rank 46

Post Graduate (Batch 2016-18)

Soundarya F, M. E. Structural Engineering – Rank 40

Our management is keen in providing meritorious scholarships for the students as a part of encouraging them to attain excellence in academic performance. Nearly 3,50,000 rupees has been sanctioned as meritorious scholarship for the academic year 2018-19 by our management.

Seminars, Workshops, Value Added Programs and invited lectures are a routine feature of the *Akshaya's* intellectual climate. Our students are given Value Added Programs like *PCB Design and Fabrication, Embedded Systems and IOT application, Industry based VLSI Design, Data Structures Using C, Web Technology, Oracle and MongoDB, Mobile Application Development, PCB Design, MATLAB, PLC, STAAD Pro, SCADA, and HMI, LAB VIEW, EPLAN, CREO, Autocad, Ansys, Master Cam, CATIA, Tool & Die, Primavera, Revit Architecture, Etabs, Unigraphics, Solid Works, Embedded design and IoT, MSP430 - Application development for Absolute beginners Industry based VLSI Design* and so on. The workshops conducted by each department like *NDT, 3D Printing, CNC Program, GD&T, Arm Processor and Wireless Communication, UI PATH- RPA* motivate the students to be aware of the practicality of their learning.

International Conference like *Current Trends in Engineering and Technology*; Guest Lectures including *Cloud Literacy, Embedded System Hardware Design Practice, Career Prospects in Japanese Language, Fuel Cells and Fuel Cell Systems, Trends in Automotive Industry, Emerging Technologies on Industrial Robotics, Design of Transmission Systems, Aero Engine Design & Development – An Industry Practice, Leadership Qualities and Career Prospects Embedded System Hardware, Design Practice, Data Analytics, Web and Mobile Experience Design, Data Mining Concepts, Operating Systems, Industry Automation Concepts and Scopes, How to Develop Project, NPTEL Online Counselling and Research Scope, Industry Automation and Control, Leadership Qualities and Career Prospects, Advance Heat Transfer, Importance of Economics in Engineering, Advanced IC Engines, Design Analysis and Simulation using CAE concepts, Modern Tool and Die Manufacturing, Quality Engineering, 3D Printing, Arm Processor, Electro Hydraulic System*; Seminars like *Artificial Intelligence, Entrepreneurship Awareness, Mobile Application Development, Angularjs, How to Evolve Good Project, Industrial Automation, Recent Trends in*

Manufacturing Machines, Advanced Automation Controls, Cryogenics, Hybrid Optical Acoustic Autonomous Under Water Vehicles Swarms for Marine Environment Monitoring, Role of Geo Spatial Technology for Precision Agriculture, GUVI Boot Camp Programme on Python Data Structures and MYSQL, Entrepreneurship Awareness Programmes, Awareness Programmes on UPSC Exams, Aptitude Training Programme, Placement Training Programmes, Communicative Skill Development Programmes, industrial visits, etc., have also paved way for the students to learn more about recent technologies, opportunities and trends in practice.

The days of National importance like Independence Day, Republic Day, Teachers' Day, Engineer's Day, International Women's Day, Pongal Celebrations, Pooja Celebrations, Onam Celebrations, International Yoga Day, National Science Day, etc., are celebrated with great fervour and festivity. 15th August Independence day and January 26 Republic Day is celebrated with various formal events including flag-hoisting and march-past. Various competitions like Elocution, Essay Writing, Debate, etc., are being conducted and the students are encouraged to participate in it.

Providing creative platforms to exhibit and explore the talents of budding engineers has become the culture of the college. The institution exclusively conducts Tech Day to foster and encourage innovation in the young minds. On National Science Day and Engineers Day "Tech Day 2020"- Project Contest is organised at the college premises. From the displayed projects, **Best Contribution to Society, Best Innovation** and **Best Concept** based projects were selected. 226 projects from various departments were exhibited in the Tech Day Projects Presentation of the college of which 57 moved to preliminary level 2. Out of which 19 projects moved to Semi Finals Round and three were selected in the finals. The students are encouraged to expose their research thirst and to come up with real innovative ideas.

We have signed MoUs with reputed companies like Co- India, Flow Link Systems Pvt Ltd, Messer Cutting Systems India Pvt Ltd, Simser Controls & Systems, TIME Institute, Steps Knowledge, Maya Constructors, Bhuvana Promoters and CADD Leaders. Our College also serves as a Center of Excellence for reputed professional sectors like Test & Verification Solutions & Oracle. It is a privilege to note that our pre final year and final year students are trained for GATE Exam to compete for National Level Selection Exams.

Online Courses, NPTEL Videos and Spoken Tutorials from IIT Bombay are the real boon to our students to develop their potentiality in their selected domain. These courses bring into light a global exposure of their respective engineering sector. Industry Entrepreneurship Development Cell of our college is the root to bring out the entrepreneurs inside each interested students and the Cell also has with it stationery, Computer Centre, Reprographic Centre and fruit stall that are exclusively run by EDC students. IEDC of our college has conducted an Engineering Skill Development Program (PMKVY-TI) 2018-2019 funded by Ministry of Skill Development & AICTE Government of India.

NSS, YRC, RRC, ROTARY CLUB and other clubs have been actively doing their parts for the welfare of the students to groom them as socially responsible professionals. NSS Unit of our college conducted various events like Awareness Programmes, Blood Donation Camps, Orientation Programmes, Awareness Rallies, Student Ambassador's Orientation and awareness programme on *Swachh Survekshan* in association with Coimbatore Municipal Corporation, etc., Mega Blood Donation Camp, Awareness Seminars on *Organ Donation*, Motivational Seminars on *Freedom of Thoughts* Orientation Programmes like *Oru Munai Sei*, *SEYAL-Group 3*, Community Service project like *Vidaithelu*, rendering donations and services during natural calamities in *Aluva and Kochi floods* in Kerala & *Gaja Puyal*, inauguration of *Food Bank* in our college, etc., were done by our Rotary Club.

HIGHLIGHTS OF THIS YEAR

- Super Auto Forge Pvt. Ltd., Chennai funded Rs. 50,000/- for the *project Rally Car Design Challenge – 2018 (RCDC)*, India's first Professional Desert Rally for Engineering Students.
- City Union Bank, Coimbatore funded Rs. 75,000/- for project under CSR Scheme.
- City Union Bank, Coimbatore funded Rs. 75,000/- for Sports Achievement.
- IEDC of our college has conducted an Engineering Skill Development Program (PMKVY-TI) 2018-2019 funded Rs. 14,45,000 by Ministry of Skill Development & AICTE Government of India.
- With the resources available in the institution S. Praveen Kumar and P. Hari Prasanth of III EEE won first prize with a cash award of Rs. 3000/- in Chennai Science City

Festival 2018 organised by Tamilnadu Government for the project title *Platform Crossing in Railway Tracks for Disabled People*".

- FAER funded Rs. 1 Lakh for the project titled *Smart Hygiene Monitoring System for Public Toilets*.
- Mitsubishi Electric Cup, Ahmedabad, funded Rs. 1 lakh for the project titled *Solar Operated Smart Oil Skimmer with Water Quality Monitoring using PLC*.
- An International Conference on Intelligent Computing and Sustainable System was conducted.
- A two day workshop on Hindi Language in association with M/s Language Learning Centre has been organised for the students.
- GATE Coaching in association with M/s TIME Institute and iFocus has been organised for the students.
- *Akshaya* in tie up with M/s Smart Academy provides training on placement related soft skills quantitative aptitude and literary aptitude.
- A two day Faculty Development Programme was organized.
- Technical Training Cell provides trainings such as C,C++,CCNA ,JAVA,ORACLE.
- Nearly 25 papers have been published by our faculty in reputed journals, more than 400 students from our college have got the internships from the reputed companies and more than 200 students have successfully completed their inplant training.

ACHIEVEMENTS IN SPORTS

Our students have proved that they are equally spirited in showing their endowment in sports too.

- The Ball Badminton Team of our college plays an integral part with its participation and achievement in 10 tournaments namely KPR Trophy, KICS- 2019 tournament, Zone-10 Ball Badminton Tournament, Covai Ties, Adithya Trophy, Park Alumni, SREC Alumni Trophy, CIT Alumni Trophy, Akshaya Alumni Trophy and Karpagam Alumni Trophy.
- Our Volleyball team secured 4th place and Kabadi Team has secured 3rd place in *Covai Ties 2019*.
- Our students have also won Second Place in Decathlon organized by Kongunadu College of Engineering, Second Place in 100m Dash, First Position in 110m

Hurdles, First and Third Place in Long Jump, Third Position in High jump, and First Place in Javelin Throw organized by Anna University.

- Our student was awarded “Best Performer of the Year 2018-2019” in men category in Zone-10 Athletic Meet.
- Our student has secured Gold Medal in 5 KM Walk, Silver Medal in 5000m Zone-10 athletic Meet organized by Anna University.

PLACEMENTS

Akshaya has managed an exceptional placement season for the batch 2015-19. We truly have a competitive edge in terms of industry connect and indeed, our students leverage the opportunities to expand the plethora of their knowledge and emerge successfully. Nearly 210 students were placed in reputed companies.

We are sure that our college has been encouraging our students at all levels to bring out their best. We will not stop till we reach our Goal.


22/3/19

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