



**ACADEMIC YEAR 2017-18**  
**ANNUAL REPORT**

Akshaya College of Engineering and Technology was founded in 2009 by a group of visionaries and intellectuals to import quality education in a stimulating and innovative environment where students are empowered with knowledge and professional skills. We offer B.E. Civil Engineering, B.E. Mechanical Engineering., B.E. Mechatronics Engineering, B.E. Electrical and Electronics Engineering, B.E. Electronics and Communication Engineering., B.E. Computer Science and Engineering, M.E. Structural Engineering, M.E. VLSI Design, M.E. Computer Science and Engineering.

**Academic Performance of the Students:**

Our students have performed satisfactorily in the Anna University End-Semester Examinations. The UG students of our 2013-17 batch has produced 78.1% results and PG students have produced 64.2% results. Out of 449 UG students and 14 PG students, 351 UG students and 9 PG students have been successfully graduated.

The department wise pass percentage of our students are:

**2016-17- Even Semester**

Overall result of the institution in the academic year 2016-17 Even Semester is 57%.

B.E. Civil Engineering – 53.6%

B.E. Mechanical Engineering-51.5%

B.E. Mechatronics– 55.6%

B.E. Electrical & Electronics Engineering – 61.2%

B.E. Electronics & Communication Engineering – 73.2%

B.E. Computer Science & Engineering – 53.4%

M.E. Structural Engineering – 75%

M.E. CAD/CAM (FT) – 60%

M.E. CAD/CAM(PT) – 100%

M.E. VLSI – 100%

M.E. Applied Electronics (PT) – 100%

M.E. Computer Science and Engineering(FT) – 80%

M.E. Computer Science and Engineering(PT) – 100%

### **2017-18- Odd Semester**

Overall result of the institution in this academic year 2017-18 Odd Semester is 40%.

B.E. Civil Engineering – 26.5%

B.E. Mechanical Engineering-36.6%

B.E. Mechatronics– 47.4%

B.E. Electrical & Electronics Engineering – 20.2%

B.E. Electronics & Communication Engineering – 51.2%

B.E. Computer Science & Engineering – 54.1%

M.E. Structural Engineering – 28.5%

M.E. CAD/CAM – 100%

M.E. VLSI Design – 100%

M.E. Computer Science and Engineering – 40%

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 2013-17)**

Vinay. D, B. E. Mechatronics – Rank 10

Hemanth Raj. V, B. E. Mechatronics – Rank 11

#### **Post Graduate (Batch 2015-17)**

Swathini. S, M. E. Structural Engineering – Rank 31

Thenmozhi. M, M. E. VLSI – Rank 18



## HIGHLIGHTS OF THIS ACADEMIC YEAR

- 5<sup>th</sup> International Conference on Current Trends in Engineering and Technology – ICCTET 2018 was conducted.
- Inauguration of Centre of Excellence with Amazon Web Services and T & VS, Bangalore.
- Entrepreneurship Development Cell of our college was funded with Rs. 5,51,700/- by Ministry of Skill Development & AICTE Government of India. For conduct of an *Engineering Skill Development Program (PMKVY-TI) 2017-2018*.
- The Institution of Engineers (IEI) funded Rs.20,000/- for the project titled *Proficient System for Effective Production in Agricultural Era using Sensors and Wireless Technology*.
- NAASCOM funded Rs. 12,000/- for the project *Infant Healthcare Diagnosis Using CC3200*, an IOT Innovation Challenge.
- Texas Instruments sponsored Rs. 30,000/- for establishing Power Management Lab.
- FAER funded Rs. 35,000/- for the project *Public Vehicle Access System for Virtually Impaired using NFC*.
- Texas Instruments, United States, funded Rs. 57,000/- for the WEBBENCH Design Contest and Rs. 80,000/- for the DRISHTI Online Contest.
- ICT Academy of TamilNadu funded Rs.5,000/- for the project *Replacement of Glass Fiber and Hay Powder Sheets/Chips instead of Coarse Aggregate in Concrete*.
- TamilNadu Science Society supported with a fund of Rs.2,000/- for the project *Smart Kitchen for Visually Impaired Using CC3200*.
- Technopak Automation Pvt Ltd funded LPC2148 Micro Controller Kit, Vibrator Controller, HX711 Interface Kit & Load Cell, a worth of Rs.8 ,000/- to practice Real Time Granular Packing for our institution.
- 16 students of the institution won prize of Rs. 1 Lakh worth MicroController Kits in TI Drishti Online Contest 2017, a Micro Controller Design Contest, organised by Texas Instruments.
- Our students won 1<sup>st</sup> prize and a cash award of Rs. 5,000/- in *Science City*, a TamilNadu State Level Project Expo organised by TamilNadu Government out of 512 Engineering Colleges in TamilNadu, for the project titled *Platform Crossing*

*in Railway Tracks for the Physically Challenged People.*

- Our students won first prize and a cash award of Rs. 1 Lakh FAER Scholarship Award, a National Level Project Expo out of 400 Engineering Colleges in India for their project *Smart Hygiene Monitoring System for Public Toilets.*
- Our III Mechanical students secured eighth place, out of 29 participants from all over India, in Rally Car Design Challenge held at Bikaner, Rajasthan.
- Our student Karthick Raja P of III Mechanical has designed and fabricated a Sports Model Car for display in Tech Day.
- City Union Bank has sponsored Rupees 75,000/- scholarship for Santhosh of III year Mechanical Engineering for his Sports Representation and Achievement in Decathlon Event.
- Mr. S. Muralishankar, Managing Director, M/S Super Auto Forge Private Limited, Chennai sponsored Rs. 50,000/- to RCDC Team of our institution for their Rally Car Project.
- Prof H Anandhakumar has received patent on title of the invention *Method of Exploration and Discrimination of Mineral Abundance in Beach Sand.*
- Prof H Anandhkumar has received patent on title of the invention *Spectrum Detection Methodology for Cognitive Radio System through Machine Learning.*
- Santhosh, III Mechanical Engineering won the title Dr. Abdul Kalam's Best Student 2017-2018- National Award.
- Signed MoU with ICAR- Central Institute of Fisheries Technology for promoting students' training and post graduate research.
- Signed MoU with CoCubes Technologies to provide a training platform.
- Signed MoU with Hi-focus GATE Academy for GATE Training.
- Signed MoU with T&Vs for trainings, short term courses, R&D industrial visits, internships, student projects and inplant training.
- GATE Coaching in association with M/s TIME Institute and iFocus and M/s Smart Academy and Aptitude Training Classes in association with Smart Training Services have been organised for the students in this academic year.
- Our students participated in Rally Car Design Challenge – 2018, a National Level Collegiate Competition presented by Polaris at Rajasthan, Bikaner.
- Communicative English and Spoken Hindi Classes were organised for final year students in this academic year.



- Alumni Meet was conducted on 25.3.2018.
- Nearly 60 papers have been published by our faculty in this academic year.

Value Added Programmes on *Revit Architecture, STAAD PRO, Primavera, Interior Architecture and Design in 3DS Max, Java, CCNA, Android Programming, Industrial Application of ARM Controller, PLC, Circuit Simulation, Inverter Design Using Arduino, Embedded C, Embedded Systems and IOT Applications, Labview, HVAC, NX Unigraphics; Workshops on Disaster Management, Total Station Surveying, Building Modelling, Android, Internet of Things, Web Designing, MSP 430 Application Programming for Absolute Beginners, Python Programming, How to Create a Chat Application Like Facebook Messenger?, Inverter Design, Arm Processor for Power Electronic Applications, Circuit Simulation Using Lt Spice, MATLAB Simulink With Arduino, Non Destructive Testing, Automotive Systems With Hands on Training, Heating Ventilation & Air Conditioning, 3D Printing, Advanced Arduino & IoT, Robotics on Lego Kit, Sensor and Robotics Using Arduino, Lego Mindstroms NXT, 5S Principles, Guest Lectures on False Ceiling, The Gulf Way, Journey on Travel Smart, Interactive Sessions on Why Don't We Like English? Cloud Computing, Career in Indian Armed Forces Defence Selection, How to Become Industry Ready?, Industry Focus 2017, Wireless Sensor Networks, Talent Innovation Challenge, Industry Focus, Product Engineering Services, Interview Tips, Science, Technology, Qualities and Career Prospects, Gas Turbine Design and Development, Industry Focus 2018, Forging Technologies, Emerging Technology Trends, Expectation for a Design Engineer in Industry Practice, Careers in Automotive Industries, Expectation of Companies from Fresh Engineers, Recent Advancements in Automobile, Freedom of Thought; Motivational Speech Embark on the New Journey., Journey on Travel Smart; Defence Orientation Programme Leadership – The Armed Forces Way; Guvi Mentorship Programme, Guvi Boot Camp Programme; Hands-on-Training on AB-PLC and AB-HMI, Labview Corel & Core 2 Training, Lego & Arduino; Awareness Programme on PCB Designing, Indian Innovation Challenges 2017; Orientation Programme on Entrepreneurship; Women Empowerment Cell Seminar Defence Opportunities for Women and Workshop on Stress Management for Women were organised for students in this academic year.*

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.

### TECH DAY

Our College celebrates Engineers' Day and Tech Day that are liked and contributed vitally by our budding engineers. 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. During Tech Day Celebrations of this academic year, our students came out with innovative projects. Out of 300 projects, 59 projects were shortlisted from the first level and 24 projects from the Semi Finals Round.

### ACHIEVEMENT IN SPORTS

- Ball Badminton Team (men) have won KPR Trophy among 18 teams from Coimbatore, Zone-10 Ball Badminton Tournament at Karpagam College of Engineering, SREC Alumni Trophy at Sri Ramakrishna Engineering College, Brindhavan Trophy at Coimbatore Institute of Technology, Covai Ties at Sri Krishna College of Engineering and Technology, GCT Alumni Trophy, Coimbatore, CIT Alumni Trophy, Coimbatore and Akshaya Alumni Trophy.
- Our cricket team secured 1st place in AAROHAD -2K18 Cricket Tournament.
- Our Basketball Team secured 4th place in Park Alumni Trophy 2018.
- Our student Parthasarathy of III Mechatronics secured third position in South Zone National Level Junior Athletic Meet event Decathlon (including 100m, 400m, 800m, 1500m, High Jump, Pole Vault, Javelin Throw, Shot-Put, 110m Hurdles And Long Jump), got first place in Decathlon State Level Junior Athletic Meet, got second place in Decathlon State Level Open Junior Athletic Meet, got fourth place in Decathlon Inter Zone Athletic Meet, got first position in Decathlon Zone-10 athletic Meet, first position in 110m Hurdles, second position In Pole Vault, Third




Position in Centies Athletic Meet in High Jump, first place in Javelin Throw in Zone-10 Athletic Meet, Covai Ties Athletic Meet and Centies Athletic Meet.

- Our student K. Nithya of I ECE secured first place in Heptathlon, first place in 100m Hurdles, third place in Triple Jump in Zone-10 Athletic Meet, got first place in 100m Dash, First Place in long jump in Covai Ties Athletic Meet and third position in 100m in Centies Athletic Meet.
- Our students have also secured third position in 400m Hurdles, third position in Hammer Throw, second position in 5KM Walk, third position in 4\*400m relay and third position in 4\*400m relay in Zone-10 Athletic Meet organized by Anna University , second and third place in 7th National Rural Games Football Championship.

## PLACEMENTS

ACET has unexceptionally churned excellence in all domains and certainly placements were in line with rich tradition of the yesteryears. To enable placement as an ongoing process, the college initiated Industry- Institution interaction and collaboration with several firms to conduct academic linkages like Value Added Programs, SMART Classes, GATE Coaching, Center for Placement in Defence, Soft Skill Trainings like IXEL, Guvi, ORACLE, CISCO Networking, Pre-Placement Talks, Written Tests, Interviews and Group Discussions, etc. One of the benchmarking features of the placement was the recruitment of 2 students with a package of 10 lakhs. In this academic year, 224 students were placed in reputed companies.

The institution is actively doing its part for the welfare of the students to groom them as socially responsible professionals. Sure it would continue its progressive measures throughout its journey.

  
27/9/18

**Dr. J. JAYA, M.Tech Ph.D**  
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