



ACADEMIC YEAR 2019-20
ANNUAL REPORT

With the lofty vision of developing as a Centre of Excellence in Engineering Education, Akshaya College of Engineering and Technology was founded in 2009 by a group of visionaries and intellectuals to impart quality education in a stimulating and innovative environment. 'Quality' and 'Excellence' are the guiding principles of this institution and strives to create self-disciplined, mentally robust and morally strong engineers with high degree of integrity and to make them capable to meet challenges of ever advancing technology for the benefit of mankind and nature. The institution offers 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 and Ph.D. in Electronics and Communication Engineering.

This institution provides opportunities for fairly bright students from middle and lower income group to get good Engineering Education and also provides fee waiver for the students who have scored high cut-off marks in Higher Secondary and Diploma examinations.

Merit and Sports Scholarship:

FEE WAIVER Fee Waiver includes Tuition, Hostel (Room Rent & Food)/Bus	+2 STUDENTS (CUT- OFF) PRM(%)	DIPLOMA (DOTE) (%)	SPORTS QUOTA
Full Fee Waiver	95 & Above	95 & Above	National Level
100% TF*+50%(H/B)*	90 – 94	90 – 94	State Level
50% Fee Waiver	85 – 89	85 – 89	Divisional Level

FEE WAIVER Fee Waiver includes Tuition, Hostel (Room Rent & Food)/Bus	+2 STUDENTS (CUT- OFF) PRM(%)	DIPLOMA (DOTE) (%)	SPORTS QUOTA
25% FEE Waiver	80 – 84	70 – 79	District Level

Akshaya Trust Monthly Scholarship:

SCHOLARSHIP NAME	TOTAL AMOUNT	ELIGIBILITY
Akshaya Trust Scholarship	Rs.2000 Per month	9.0 CGPA and above
Akshaya Trust Scholarship	Rs.1000 Per month	8.50 CGPA to 8.99 CGPA
Akshaya Trust Scholarship	Rs.500 Per month	8.00 CGPA to 8.49 CGPA

Academic programs at ACET are designed to enable growth and learning in a highly focused and application-based environment. This is achieved through a combination of formal lectures and hands-on experience in well-equipped laboratories and through project activities. In a bid to bring out the excellence from its students, the institution has gone far ahead of just classroom teaching and introduced various outreach programmes like: Student Seminars, Guest Lectures, Mini-Projects, Training Programs, Technical Seminars, Higher Education Seminars, Workshops, Symposiums, In-Plant Trainings, Industrial Visits, etc., to help students in exhibiting their technical innovativeness and competence in multifarious areas like technical quiz, paper presentations, deliberations and discussions under specific themes for holistic development of personality with a human and global outlook. It ensures that its' students develop the required knowledge and skills and provides an ambience that stimulates intellectual thinking and academic interaction. Communicative English Classes, Soft Skills, Quantitative and Literary Aptitude in tie up with M/s Smart Academy, GATE coaching in tie up with M/s TIME Institute & HI FOCUS, etc., were also organised for the students.

Besides promoting research and disseminating knowledge, the institution fosters co-operation between the academic and industrial communities and as a result, has built-up an impressive placement record both in terms of percentage of registered students placed as well as the number of companies visiting the campus. Placement and Training Cell functioning in the college continuously increases the contact base for training and placement activities and keenly concentrates to interface with the outside world and create the maximum recognition of the college. It organises practice sessions through the eminent industry personnel and through the faculty of national repute and mobilizes internal faculty resource for preparing students their final placement process. It also encompasses various programmes including Mock Interviews, Group Discussions, Project Presentations, and Personality Development Workshops, etc., to hone the skills of the students. Companies visited the campus for recruitment has shown commendable appreciation for the efforts of the institution towards the performance of students during the recruitments. 266 students of this batch were placed in reputed companies.

Value Added Programmes like *PCB Design and Fabrication, Embedded Systems and IOT Application Development, VLSI Design, Data Structure / OOPS, Web Design, E-CAD, PLC Programming, Industrial Automation Engineer, CREO, ANSYS, HVAC & Unigraphics UG-NX, AUTOCAD, 3Ds Max, Primavera, Advanced Python, VLSI Design – Verilog and System Verilog, Big Data Statistical analysis using R Programming, Modeling practice for Automotive Assemblies, Modeling and Machining practice for CNC machines and Design and Systematic Analysis of Civil Structures* were organised for students. Nearly 50 papers have been published by our faculty in this academic year, 120 students have completed their inplant training and nearly 90 students have completed their internships successfully in reputed companies.

Academic Performance of the Students:

Our students have performed satisfactorily in the Anna University End-Semester Examinations. The UG students of our 2015-19 batch has produced 44% results and PG students have produced 50% results. Out of 374 UG students and 6 PG students, 166 UG students and 3 PG students have been successfully graduated.

The department wise pass percentage of our students are:

2018-19- Even Semester

Overall result of the institution in the academic year 2018-19 Even Semester is 34%.

B.E. Civil Engineering – 22.9%

B.E. Mechanical Engineering-29.1%

B.E. Mechatronics– 51.1%

B.E. Electrical & Electronics Engineering – 33.3%

B.E. Electronics & Communication Engineering – 42.9%

B.E. Computer Science & Engineering – 40.6%

M.E. Structural Engineering – 33.3%

M.E. Computer Science and Engineering – 80%

M.E. VLSI – 50%

2019-20- Odd Semester

Overall result of the institution in this academic year 2019-20 Odd Semester is 43%.

B.E. Civil Engineering – 36.2%

B.E. Mechanical Engineering-36.5%

B.E. Mechatronics– 39.4%

B.E. Electrical & Electronics Engineering – 27.5%

B.E. Electronics & Communication Engineering – 48.9%

B.E. Computer Science & Engineering – 55.8%

M.E. Structural Engineering – 25%

M.E. VLSI Design – 66.6%

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

ANNA UNIVERSITY RANK HOLDER

Akash. B. M – Rank 19 (Under Graduate (Batch 2015-19))

HIGHLIGHTS OF THIS ACADEMIC YEAR

- DRDO-NRB granted Rs. 1,00,000/- for a National Seminar on *Hybrid Optical Acoustic Autonomous Underwater Vehicles (AUVs) Swarms for Marine Environment Monitoring*.
- The Institution of Engineers (India) granted Rs.30,000/- for the conduct of a two day seminar on *The Role of Geospatial Technology for Precision Agriculture*.
- IEI, India granted Rs. 10,000/- for the conduct of a One Day Seminar on *Smart Manufacturing Using IOT*.
- IEI, India granted Rs. 10,000/- for the conduct of a One Day Seminar on *Impact of Computational Intelligence in Wireless Sensor Networks*.
- Tessolve has granted a sum of Rs.20,000/- for the international conference to be conducted on *Materials Science and Manufacturing Technology(ICMSMT 2020)* in the month of April.
- Gowtham S, Umar B, Sree Lakshmi P T and Srithi S G of final ECE won 3rd place with a cash award of Rs.50,000/- for the project *Smart Hygiene Monitoring System for Public Toilet* in FAER McAfee Scholarship 2019-2020 National Level Project presentation conducted by Foundation for Advancement of Education and Research, Bangalore.
- PMKVY-TI (2018-19) batches have been approved by AICTE and a grant of Rs 14,45,000 has been sanctioned and first installment of Rs 4,33,500 is released.
- II year Mechatronics students won *Safest Vehicle Award* with the cash amount of Rs.4100/- in National Dirt Karting Championship - 2k19 GOKART held at Sri Venkateshwara College of Technology, Chennai.
- Winners of Tech day were provided with a National and International flight trip.

- Prof K.Thirunavukkarasu of Civil Department was conferred with *Young Achiever Award* in Engineer's Day 2019 hosted by IE(I), Coimbatore Local Centre.
- Prof. T. Boobalan was honored by Texas Instruments, DST, AICTE and IIM Bangalore as a Member of Confederations of Elite Academicians of IICDC for outstanding contribution in inspiring engineering students
- Parameshwari. N, Preethi. K, Swathy. M and Tamilamudha. D of final year Electronics and Communication Engineering received proposal funding of Rs. 7,500/- from TamilNadu State Council for Science and Technology.
- Seminars on topics like: *Evolving Trends in Structural Monitoring and Rehabilitation, Water Proofing in Construction, Impact of Computational Intelligence in Wireless Sensor Networks, Hybrid Optical - Acoustics Autonomous Underwater Vehicles Swarms for Marine Environment, Connect the Challenges, Free Education in European Countries, Smart Manufacturing Using IoT, Faculty Development Program on Teaching Techniques with Gamification, Guest Lecture on FPGA and trends in Memory, Retrospect and Reflect-Find your Path to Excellence, Hands on Training on Six Axis Robot , Workshop on Lego Mindstroms NXT , Awareness Programmes on Corona Virus, Breast Cancer-Awareness, Kavalan App- Women Safety, Self –Defence Training, etc. were organized for the students.*
- Students of Industry Empowerment Cell of the college has participated in various contests like: Texas Instruments Innovation Challenge, FAER Scholarship Award, Quest Ingenium 2019, Smart India Hackathon, Techgium 2020, AICTE Viswakarma Awards 2019, Mitsubishi Electric Cup, etc., and has secured many prizes
- Department of Civil Engineering signed MoU with Edveon Technologies Profenna Automation and TANGEDCO regarding training programmes and industrial visits.

ACHIEVEMENTS IN SPORTS

- Ball Badminton Men Team of our college has secured fourth position in State Level BIT Alumni Trophy, first position in Zone 10 Ball Badminton Tournament – Men organised by Karpagam College of Engineering, 4th position in Zone 10 Ball Badminton Tournament – Men organised by P.A. College of Engineering, 3rd

position in Akshaya Alumini Trophy, secured 1st position in Centies organized by Bannari Amman Institute of Technology and 1st position in Covai Ties organized by RVS College of Engineering.

- Kabaddi Men Team of our college has secured 4th position in Centies organized by Bannari Amman Institute of Technology and third position in Zone 10 Kabaddi Tournament – Men organised by Dhanalakshmi College of Engineering.
- Volley Ball Men Team of our college has secured 4th position in Dr. Mahalingam Trophy organized by Dr. Mahalingam College of Engineering and Technology.
- Our students have also won silver medal and bronze medal in Long Jump 100 M Women organised by Kumaraguru College of Technology and again a silver medal in 5km walk – women - Zone 10 Athletic Meet. One of our student has also secured 3 gold medals in 100 M Hurdles – Long Jump Heptathlon in Zone 10 Athletic Meet organized by Sri Krishna College of Technology.
- Our students have also proved their might and secured 7th position in Body Building and Fitness Championship in Open State Level Mr. HULK 2019 organised by Hulk Gym, secured 4th and 9th position in Best Physique Men in State Level Best Physique Competition organised by Kumaraguru College of Technology and secured 1st place in Long Jump 100 Mts in Covai Ties organised by RVS College of Engineering.

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.

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. Totally 169 projects were enrolled in this academic year and out of which three projects were selected in finals. The college works on every aspect of imparting in-depth knowledge, honing the skills, inculcating the right attitude, grooming the personality and enriching the value based education since its inception that proves to be the benchmark of the success of the institution. Sure, our hardships are committed for the best improvements in nearby future.



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