

AHALIA SCHOOL OF ENGINEERING AND TECHNOLOGY

ANNUAL REPORT 2022-2023

INSTITUTION PROFILE

Ahalia School of Engineering and Technology started its journey in the year 2012 to impart quality education and research in the field of engineering and technology. In the very year we achieved an intake of 300, which was the maximum intake approved. Now we completed the 10th successful year. The college was initially affiliated to Calicut University, and from the year 2015 is affiliated to APJAKTU, Thiruvananthapuram.

ACADEMIC ACTIVITIES - FIRST YEAR CLASSES

The **odd semester** classes for the academic year 2022-23 , S7 – 13TH SEP 2022, S5 – 19TH SEP 2022, S3 – 12TH SEP 2022 and S1 – 25TH OCT 2022

The **even semester** classes S8 – 30TH JAN 2023, S4 & S6 – 06TH FEB 2023 and S2 – 13.03.2023.

The Admission process for the current year began well in advance in the month of Feb 2022, as booking enquires to various departments were received from December 2021 itself. The classes for the first year started in the last week of October 2022 with an AICTE-mandated Student Induction Program (SIP) conducted from 18 to 26 November 2022. We conducted a bridge course also on Physics, chemistry, mathematics and basic engineering subjects for new entrants.

UNIVERSITY RESULTS

In the overall University results published during the year 2022-23 our college repeatedly had the highest pass percentage in Palakkad district, among private colleges. Aswathy S of CE Dept. **2019-23** batch secured 9.25 SGPA in the recently published university result of fifth semester. Bhavana A of the same semester CSE secured 9.0 SGPA, Arya R Krishna of ECE secured 8.83 SGPA, T V Naveen of ME SECURED 8.07 SGPA and Pramod Krishna P of EE SECURED 7.28 SGPA.

EVENTS ORGANIZED FOR STUDENTS BY VARIOUS DEPARTMENTS

The **Civil Engineering Department** Association of ASET celebrated National Pollution Control day on 2/12/22, Friday from 2.30 pm to 4.20 pm. The program started with an oath taking ceremony to inculcate students, the need of pollution control in today's world. A debate competition on the topic "Plastic has to be banned worldwide, why?" was given on the spot. Also, a poster design competition was conducted with theme "Reduce air pollution and regain your health". The winners of the Debate Competition were Viswetha & team, Nishikant & team. The winners of Poster design competition are Namitha (S5 CE), Anaswara (S5 CE) and Greeshma K. (S1 CE). The winners were awarded with trophy and certificates.

Department of Computer Science and Engineering.

Seminar on 'Introduction to Blockchain Technology' was conducted on 28.9.22 by Mr. Maharaj, Project Consultant, Blockchain and cybersecurity, Buzzybee technology Coimbatore. He delivered the content of blockchain technology along with job opportunities and future scope. He gave input to carry out the final year project in Blockchain Technology area. Blockchain is an emerging technology in the IT industry now and more organizations are using the technology to process cryptocurrency payments between different parties. This seminar on 'Introduction to Blockchain' has been designed to explain what the technology is and how it works at a high level. Students will build an awareness of Blockchain technology and how it can be used to process cryptocurrency transactions across an open and distributed ledger. End of the course students were understood what blockchain technology is and why it is used, they are able to explain the different components involved with blockchain, understand when and why you may want to use blockchain within your environment and to understand at a high level what cryptocurrency is. As this is an introductory level course to blockchain, no prior experience is required. It assumes that you have never used the technology before and this is your first experience with blockchain. The resource person delivered the content of blockchain technology along with job opportunities and future scope. He gave input to carry out the final year project in the Blockchain Technology area.

The **Department of Electronics and Communication Engineering** in association with the IEEE Student Branch, IEEE Women In Engineering AG of Ahalia School of Engineering and Technology is organizing a seminar on "GATEway to Excellent Career Opportunities" 30 September 2022. The resource person was Mr. A. Saravanakumaran, Manager, GATE FORUM, and Coimbatore. The session was attended by 72 participants (7 IEEE

members, 65 non-IEEE members). The resource person elaborated on the benefits of passing the GATE exam. Possessing a valid GATE score allows the candidate in pursuing a master's degree in a reputed national institute as well as pursuing a career in public sector companies. The resource person also encouraged the students in the third and fourth year of engineering to appear for the GATE exam. This session was coordinated by Dr. V. Balamurugan (HOD ECE) and Mr. Amith Mathew Titus (S3 ECE) and Megha (S3 ECE).

A talk on "VANDE BHARATH EXPRESS-A Game Changer in the Semi High Speed Rail Sector" was organized by the **Department of Electrical and Electronics Engineering** of Ahalia School of engineering and technology on 13th October 2022. This was attended by the 1st, 2nd and 3rd year students of EEE at Seminar Hall 1. The programme started by 10.30 a.m. and concluded by 12.00 p.m. The resource person was Mr. K. Madhana Mohan, Chairman, IEI Palakkad Local Centre. The welcome address was given by Mr. Sreevalsan K. R. (S5 EEE) and the Presidential address was delivered by Dr. P. R. Sreemahadevan Pillai, Principal, Ahalia School of Engineering and Technology. Mr. Gautham M. (S7 EEE) introduced the speaker to the audience. Mr. Madhana Mohan gave a detailed explanation about the salient features, advantages, architecture, technical design features of semi high speed VANDE BHARATH Express. It was a great source of information and experience. This programme was concluded by the vote of thanks delivered by Ms. Ashcharya (S3 EEE). The event was coordinated by Ms. Swathy M. V. (AP, EEE) and Ms. Sruthi Viswanath (AP, EEE).

The Department of Mechanical Engineering of Ahalia School of Engineering and Technology in association with CAD Centre Palakkad, conducted a workshop on ANSYS for final year Mechanical Engineering students from 04 April 2022 to 26 April 2022.

DECENNIAL ANNIVERSARY

This year, as part of completing 10 years of service in the field of education in engineering, **Decennial Anniversary Celebration** was celebrated with great pomp from 27 July to 05 Aug 5 2022, organising Sports Day, Literary Day, Music Day, Arts Day and Dance Day. School children from all over Palakkad district participated in various events and cash prizes were distributed to the winners. A mini marathon was organized for the school children, in which more than 100 children participated.

SPORTS, GAMES & ARTS

Annual Athletic Meet “**PILLAER OTTATHILANU**” was conducted on May 7th 2022, in the ASET Ground. 14 separate Events were conducted for boys and girls. Nearly 300 students participated in these events and winners were awarded certificates and mementos and moreover the winners earned activity points which adds up to their university credits.

Two students will be given memento and certificate at this annual day celebration for their special performance. **Hrithika R.** (S2 CE, 2022-2026 batch) got 2nd place in junior district netball held at KHSS Palakkad. She participated in the junior state netball championship held at Kottayam; got 2nd place in senior district netball held at Vyasa Vidyapeethom, Palakkad, got 1st place in shot-put women category in the 62nd Palakkad district athletic championship, got 3rd place in APJAKTU e-zone tug of war championship held at Royal Engg. College Thrissur and is a reserve player in University tug of war women's team. **Srijin. S** (S6 ME, 2020-2024 batch) got 3rd place in APJAKTU inter-zone karate championship held at MA College of Engg., Kothamangalam, 1st place in open karate championship conducted by JSKA, was selected from APJAKTU e-zone kho kho championship for university team, participated in the APJAKTU ezone khokho championship held at GEC Thrissur, participated in the APJAKTU e-zone kabaddi championship held at NSS Engg. College, Palakkad. Ahalia arts festival for all Ahalia colleges was conducted in December 2022 and the students of ASET bagged two first places and two second places.

PLACEMENTS

For the AY 2021-22, all students who preferred jobs were given at least one offer in various reputed companies. The present final year students are offered placements in IBM, TCS, Speridian Technologies, etc. Major companies that visited our campus this year include Cummins International, Trellious Technologies, Tessolve Semiconductors etc.

FACULTY DEVELOPMENT PROGRAMS

Various departments organised University Sponsored Faculty Development Programs during this academic year, as follows:

Department of Civil Engineering:

“Sustainable Materials in Civil Engineering” from 23.02.2023 – 25.02.2023

Department of Electronics and Communication Engineering:

“Future Scope of 5G Communications” from 18.01.2023 to 20.01.2023.

Department of Mechanical Engineering:

“Additive and Subtractive Manufacturing” from 09.01 to 11.01.2023

Department of Science and Humanities:

“Advanced Graph Theory and its Applications” from 23.02 to 25.02.2023

EXTENSION ACTIVITIES - NATIONAL SERVICE SCHEME

The college NSS Unit organised various social service activities in the current year. ASET got approval for a fully government aided National Service Scheme Unit of 50 strength from 2022 onward. The Annual NSS Residential camp was held from 01.02.2023 to 7.02.2023 at Elappully Panchayat.

MOUs SIGNED

For enhancing the quality of engineering and technology field awareness of our students, they have to experience the working of industries. So Memorandum of Understanding were signed with various companies/industries; to name a few: **IIT Palakkad Technology Hub Tech Foundation (IPTIF), Integrated Rural Technology Centre, Mundur, Steelmax Rolling Mills Ltd., Life Tree Agro Foods Pvt. Ltd.**

LIBRARY INFRASTRUCTURE

College Library is maintaining a good ambience for the users with a good number of journals, online services, question paper repository, OPAC, etc. Campus WI-Fi and the Campus LAN enable seamless connectivity.

NAAC VISIT

A remarkable event in the college this year was that we submitted the SSR for NAAC Accreditation. Team comprising of our faculty members, HoDs, led by our IQAC Coordinator, Prof. & Head of the Dept. of Electrical and Electronics, Dr. Murugananth, with their dedicated efforts submitted the SSR and the NAAC Assessors visited the campus on 09 & 10 March on a two day visit. We are waiting for the accreditation final results to come out.



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