



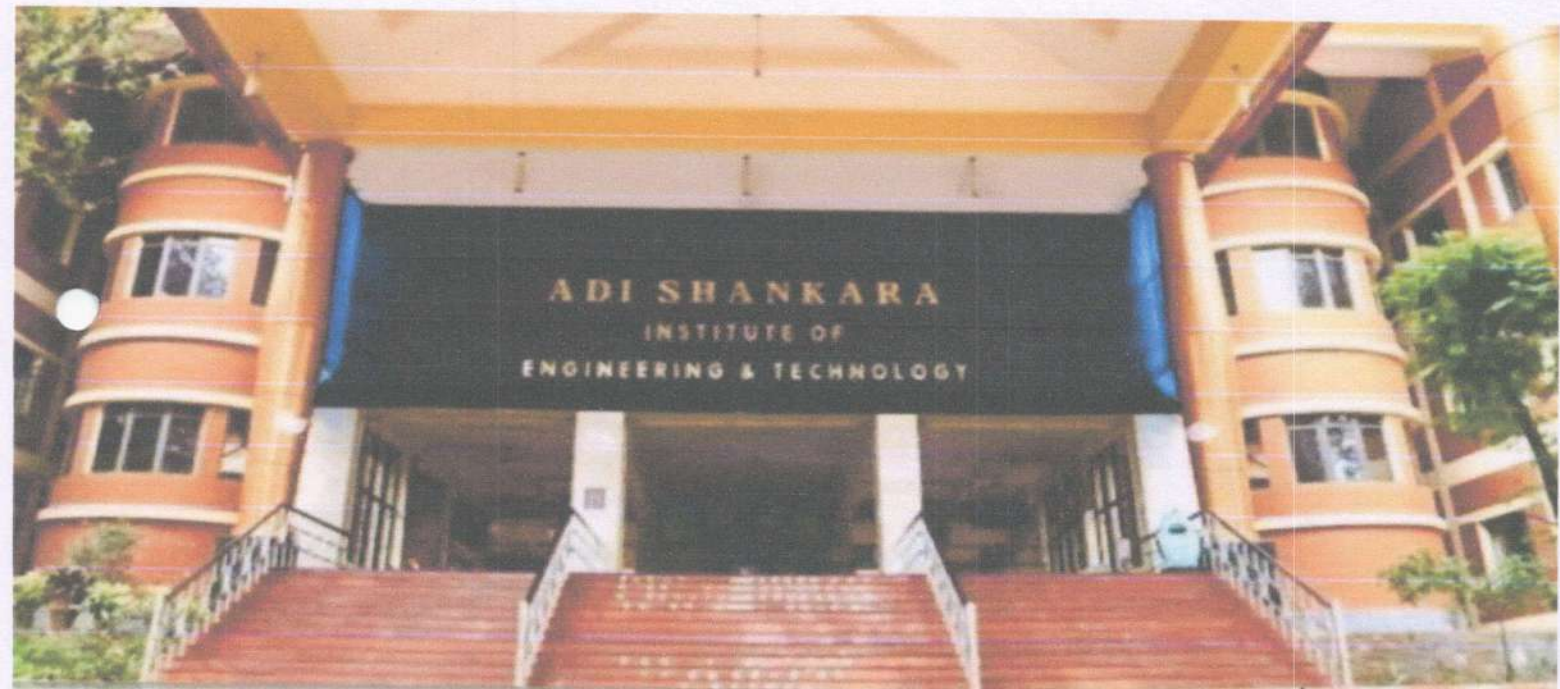
Adi Shankara

INSTITUTE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE & Affiliated to APJ Abdul Kalam
Technological University
(Owned by Adi Sankara Trust)

QUALITY INITIATIVES AND ENRICHMENT REPORT

2023 - 2024



2023-2024

QUALITY INITIATIVES & ENRICHMENT ACTIVITIES

Major quality initiative activities undertaken to improve the quality of the institute during the academic year 2023 – 2024 are listed below.

NATIONAL RECOGNITION

➤ **Participation in Republic Day Parade**

Ms. Aparna Prasad, 2021-2025 Batch student of ECE Department represented the NSS, National Contingent in the **Republic Day Parade, 2024 at Raj Path, New Delhi.**



OUTSTANDING ACHIEVEMENTS

- **Ms. Gouri A** was selected as the **Best Student Volunteer(Female)** of APJ KTU. She is also recommended for the state award from the university.
- Our student **Mr. Abhinav Raj**, NSS volunteer of ASIET participated in **Meri Matti Mera Desh Programme** at New Delhi.



- Adi Shankara has clinched **two Best Pavilion Award** at the prestigious Inter-College Tech Exhibition held at St. Mary's School, Thamarachal and Christava Mahilalayam School Aluva.
- Team ASIET won **The Best Stall Award** at the Project Expo at Yeldho Mar Baselious College.
- **Our Women Volleyball Team** emerged as the **University Champions** in **KTU Inter Collegiate Volleyball Championship 2023-24 (Women)**.



**APJ KTU VOLLEYBALL CHAMPIONSHIP 2023-24
(WOMEN)**

- **Eight students** from our college got **selected to KTU Volleyball, Basketball, Badminton University team**.
- We are also the **second runner-up** in the **KTU D zone Kho. Kho tournament men**.
- IEEE ComSoc SBC ASIET has been awarded a generous **grant of US \$480** for IEEE ComSoc Student Branch 2023 Q4 Funding.
- IEEE PES SBC at Adi Shankara Institute of Engineering and Technology, Kalady, Kerala have received a gracious **funding of US \$200** as part of the 'High Performing Student Branch Chapter Program 2024'



Accreditations

➤ **NBA Accreditation**

- Self-Assessment Report (SAR) of Civil Engineering department was submitted on 09/06/23.
- Detailed Audits by external experts to ensure the compliance of requirements were conducted, one in the month of September and another one in the month of December, in addition to the audits by internal faculty members for fine-tuning Documentation.
- Based on the SAR submitted, the NBA Team visited ASIET, during March 29th to April 1st, 2024 for the evaluation and assessment of Civil Engg Dept. **CE dept. is accredited for 3 academic years until 30/06/2027. [NBA 24-27 - CE](#)**

➤ **NAAC Accreditation of the Institution**

- **IIQA for NAAC accreditation of the institution submitted on 30/05/24.** The same was approved and the preparations for the submission of SSR is going on in full swing. We are planning to upload/submit it by the end of July.

➤ **ARIIA Ranking**

- ASIET participated in the ARIIA Ranking 2023.

➤ **LEAP Centre Recognition by Kerala Startup Mission**

- ASIET was recognised with the **Local Entrepreneurship Advancement Programme (LEAP) from the Kerala Startup Mission.** Dr. Rathan U Kelkar IAS, Secretary, Electronics & IT, Govt. of Kerala handed over the LEAP Centre Card on September 12, 2023, during the IEDC SUMMIT at CET Trivandrum.

New Academic Programs

- 2 New Academic Programs were started during the academic year 2023-2024. A **PG Program in Master of Computer Applications** with an intake of 60 and another **UG Program – Computer Science and Engineering (Data Science)** with an intake of 30 were started.



Rover Ranger Unit of Hindustan Scout and Guides

- The 1st Rover Ranger Unit of Hindustan Scout and Guides in college in Kerala has started functioning at our campus with a 3-day training camp.

High Speed Connectivity & Surveillance System

- The installation of new high speed internet connectivity systems supported by Asianet has been completed.
- Wi-Fi Access points has been installed at necessary locations such that seamless internet connection is available everywhere in the campus.
- Surveillance cameras were installed in strategic points with monitoring facilities at Principal's office and General Manager's office.

Academic and Administrative Audits

Internal audits on the academic activities were conducted as scheduled by IQAC were conducted on 02nd and 03rd of Sept 2023 and from 04th to 05th of Jan 2024.

Audits on the academic and administrative activities were conducted as scheduled by the affiliating APJ Abdul Kalam Technological University on 07th of July 2023. Dr. Anjaly Varghese, Professor, Muthoot Institute of Tech and Prof Neenu B, KMEA Engg. College were the auditors.

Academic Initiatives

Upgradation of Qualification of Faculty Members


Sl No	Name	Dept.	Program/Institute
1	Dr. Neema M	ECE	Ph. D, NIT Trichy
2	Dr. Jini Varghese P	BSH	Ph.D, Mother Teresa University, Tamil Nadu
	Dr. Lakshmi M Hari	EBE	Ph. D, IIT Madras
3	Dr. Vignesh Karthik S	MBA	Ph. D, Cochin University of Science and Technology, Kerala
4	Dr. Neenet Baby Manjaly	MBA	Ph. D, Cochin University of Science and Technology, Kerala





Research Initiatives

MeitY Funded Project

Adi Shankara Institute of Engineering and Technology in collaboration with C-MET Thrissur, has been granted a research fund of Rs. 2.98 Crore from the Ministry of Electronics and Information Technology (MeitY), Government of India, for the project titled "Development of digital networking for preventive and predictive environmental and climatic warning solutions - Building an Entrepreneurial ecosystem for addressing Environmental Issues".




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2.98 Crore

Celebrating a Landmark Achievement!

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FDP/Training Programmes/Exhibition Organised

- ***ATAL FDP - EXPLORING EXPLAINABLE AND GENERATIVE AI IN CONTEMPORARY MACHINE LEARNING***

A six-day AICTE Training and Learning (ATAL) Academy Faculty Development Program was organised by the Departments of Computer Science & Engineering and Computer Science & Engineering (Artificial Intelligence), from 15th Jan 2024 to 20th Jan 2024.

- ***Two Days FDP - Autodesk Fusion 360 CAD Fundamentals***

Dept. of Mechanical Engineering organised a 2 day FDP on Two Days FDP on Autodesk Fusion 360 CAD Fundamentals by BIMIT Ernakulam on 27th and 28th June 2024. Autodesk certified instructors handled the sessions.

- ***FDP - Robotic Operating Systems (ROS)***

A Faculty Development Program (FDP) on ROS was organised by Dept. of RA during 20/01/24 to 24/01/24. Participants could gain insights into cutting-edge technologies and diverse perspectives within the realm of robotics needs special mention.

- ***AR VR Hackathon***

The AR/VR Hackathon, held on 21/11/23, brought together good participants from diverse backgrounds, including developers, designers and beginners. The AR/VR Hackathon was designed to encourage collaboration and creativity in the rapidly evolving field of AR and VR.

- ***3 Day Laboratory Staff Skill Upgradation Workshop: IOT & ANTENNA DYNAMICS: BRIDGING THE WIRELESS WORLD***

The Department of Electronics and Communication Engineering successfully hosted a Three-day workshop in association with RIG IOT and Wireless Communication for technical staff titled "LSSUW 2024: IoT and Antenna Dynamics - Bridging the Wireless World" from June 24th to June 27th, 2024. Technical staff from all over Kerala attended the workshop. The workshop provided comprehensive hands-on training and practical insights to the laboratory staff, bridging theoretical knowledge and practical applications in IoT and antenna dynamics.



- **Faculty Orientation Program**

The orientation programme aims to acquaint the newly joined faculty members with the vision, mission, and values of the institution, provide an understanding of the various academic and administrative processes, and foster a sense of belonging to the academic community. The programme will cover topics related to curriculum planning, quality assurance, accreditation, pedagogical initiatives, outcome-based education, and technology integration.

The First orientation programme organized by the Faculty Professional Enrichment Cell (FPEC) was conducted on 20/07/2023 and 21/07/23.

The Second orientation programme organized by the Faculty Professional Enrichment Cell (FPEC) was conducted during 23/01/2024 and 24/01/24.

- **Workshop on Universal Human Values**

A Workshop on Universal Human Values(FDP) was organised for faculty members by the UHV Cell of ASIET from 8th to 10th of February. 25 Faculty members attended the program.

- **ASPREN '24 - PROJECT EXHIBITION OF FINAL YEAR STUDENTS**

An exhibition and competition of the selected Project works of the final year students from all departments were organised on 16th May 2024. The teams showcased thneir working models and were evaluated by jury panelcomprising of experts in and out of ASIET.



- ***Samagra Inter College Project Expo***

The SAMAGRA Project Expo, an integral part of the BRAHMA'24 National level techno-cultural fest, was organized by IEDC ASIET on 01st of March 2024. With the aim of providing a dynamic platform for college students to showcase their tech projects and innovative ideas, SAMAGRA featured projects aligned with categories such as Internet of Things, Sustainable Development/Renewable Technologies, Health Care, and Agricultural Development.

- ***Women Hackathon***

On March 9th and 10th, 2024, our college hosted a two-day hackathon exclusively for women, organized by TinkerHub Foundation in partnership with IEDC ASIET and TinkerHub ASIET

- ***HACK CLUB - FUSION-360***

Hack Club ASIET organised a Fusion 360 Workshop on October 7th, 2023. The workshop consisted of completely hands-on activities that gave the participants an opportunity to grasp the concepts properly. This also helped them to be confident about the software.

- ***Other Quality Enrichment Programs***

Sl. No	Activity	Duration	No of Participants
1	Industrial visit at NITTA GELATIN for faculty of Department of civil engineering as a part of faculty professional enrichment program (CE Dept.)	1 Day	13
2	FDP -Best practices in medical device quality and regulatory (EBE Dept.)	1 Day	9
3	FDP -Outcome-Based Education (OBE) Awareness (EBE Dept.)	1 Day	9
4	Academic Advancement Programme On Medical Device Design & Regulatory Practice (EBE Dept.)	26-06-24 to 28-06-24	10



5	Talk on "A Guide to Publication, Indexing and Funding" or faculty members organized by Faculty professional enrichment cell (FPEC), Dept. of Electronics	1 Day	22
6	Workshop on ETAP software (EEE Dept.)	1 day	5
7	Workshop on EV modelling using MATLAB (EEE Dept.)	1 day	15
8	Skill enhancement workshop for technical staff (EEE Dept.)	2 days	12
9	Faculty training in AUTOCAD and REVIT MEP (EEE Dept.)	1 day	15
10	Two Days FDP on Fusion 360 in Collaboration with BIM Lab Ernakulam (ME Dept.)	2 days	15
11	Fire prevention awareness and training program (ME Dept.)	1 day	25
12	Faculty interaction with Dr. T R Sreekrishnan, Deputy Director of IIT New Delhi (ME Dept.)	1 day	18
13	Expert talk on 'Maintenance systems in process industry' by Mr.Asok Rajan, Manager SES & Safety (ME Dept.)	1 day	15
14	Faculty Interaction with Dr. Bhallamudi Ravi, Director, NIT Suratkal (NITK) - Karnataka (ME Dept.)	1 day	15
15	Expert talk on 'Quality assurance and 5S' by Professor Bhat	1 day	15
16	Leadership & Entrepreneurship Enrichment Programme by Ernst and Young (EY) - Leep 2024 (MBA Dept.)	1 day	9
17	Awareness Programme on Portfolio management in tie up with Malayala Manorama and Geojit Securities (MBA Dept.)	1 day	9
18	Kautilya '23 - Entrepreneurship Conclave (MBA Dept.)	1 day	9
19	3D CRAFT Workshop (FAB Lab)	1 day	11
20	Train the Faculty (FAB Lab)	1 day	1
21	3D Printing Work shop-Experience the next dimension for a day (FAB Lab)	1 day	26
22	Workshop on "Mastering LATEX: A Student Guide's to Effective Report Writing and Paper Publication"	1 day	45



- The project '**Library Advancement and Revitalization for Collaborative Learning**' (**LAARC**) of IEEE SB ASIET funded by 2023 IEEE HTB/SIGHT was completed and handed over to the Kanaka Public Library, Paniyeli Poru.
- NSS Unit ASIET, in association with KTU and a charitable society, took a leading role in **constructing a new house** for a family in the neighbour hoods of the institute.



Collaborations

- Adi Shankara Group of Institutions initiated the first stage of an agreement with Dr. Linda Oecknick, EU-India Consulting Germany and Mr. Binu, CEO, Extrem Consultants and Shri. K Harikrishnan Namboothiri, CEO Noroka Roots on 23rd November 2023.
- ASIET became a Member of the IESA, The India Electronics and Semiconductor Association Kerala Chapter.



Apart from these major initiatives to ensure the quality of the teaching learning process executed in the academic year 2023-2024 is summarised in the following table.

Activity	Count
Number of full time teachers with NET/ SET/Ph. D	50
No of Staff Members deputed for Developmental/ Skill Upgradation Programs	138
No. of Research Articles	29
MoUs Signed	7
Entrepreneurial and IPR Training Programs conducted	10
No of Certificate /Value added programs Offered	5



IQAC, ASIET

IQAC

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