



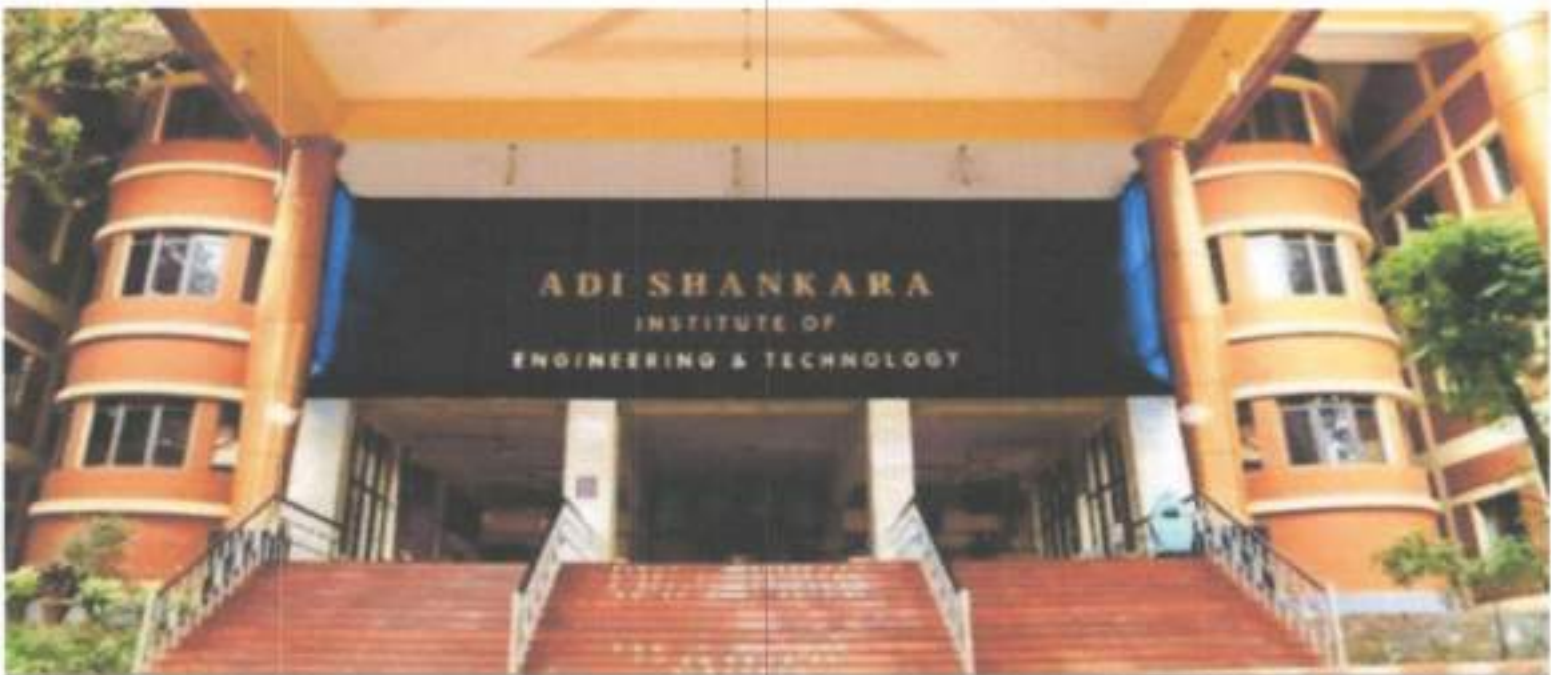
Adi Shankara

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

2021 - 2022



2021-2022

QUALITY INITIATIVES & ENRICHMENT ACTIVITIES

Adi Shankara Institute of Engineering and Technology (ASIET), has been a front runner in ensuring quality engineering education. Major activities undertaken to improve the quality of the institute during the academic year are listed below.

Accreditations

- **NBA Accreditation**

Accreditation for the 4 eligible programs (Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering and Mechanical Engineering) were extended further for a period of one academic year upto 30.06.22 based on the compliance report submitted last academic year. The accredited departments also started preparing for the NBA audit expert team visit expected in July 2022. ([NBA Accreditation Status 2021](#))

- **NAAC Accreditation**

Preparatory works for the NAAC Accreditation is going on in full swing.

- **ARIIA Ranking**

ASIET secured a place as “Band Performer” in the ARIIA Ranking 2021.

ARIIA RANKING 2021



Institution ID	Institution Name
AR-C-176	A. B. PRTEL INSTITUTE OF TECHNOLOGY
AR-C-46541	ABES INSTITUTE OF TECHNOLOGY, SHAZARAD
AR-C-49294	ACHARYA S. B. M. REDDY COLLEGE OF PHARMACY
AR-C-1334	ACHARYA INSTITUTE OF TECHNOLOGY
AR-C-36227	ACROPOLIS INSTITUTE OF TECHNOLOGY & RESEARCH, VILLAGE RAJWADI, NHARANE, 144/3, INDIA, PIN CODE - 422004
AR-C-11742	ADI SHANKARA INSTITUTE OF ENGINEERING AND TECHNOLOGY
AR-C-17607	ADITYA COLLEGE OF ENGINEERING



- **Best Engineering College Award 2022**

ASIET participated in the Centre for Education Growth and Research (CEGR) rankings of Engineering Colleges in India and bagged “**The Best Engineering College in Kerala**”, award for the year 2022. The award was for the outstanding and exemplary contributions in the field of engineering education, skill development, and research; presented during the 17th Rashtriya Shiksha Gaurav Puraskar Ceremony 2022 held in New Delhi.

Academic and Administrative Audits

Academic Audits

It's also important to monitor and reassess the quality standards and functions of the institute. Audits (IQAC/External Agencies) play a vital role in this process of continuous evaluation and improvement.

Internal Academic Audit Committee (AAC) comprising of senior faculty members from various departments was also formed and internal audits were carried out during the academic year, one for each semester. The audits were done online due to the covid situation prevailing in the campus

Solar Power Plant Audit

The Solar Panels were inspected and audited by MNRE officials and Maintenance Engineer from ORB. Hot spot Location, Electroluminescence test and Individual Panel Test were conducted to evaluate the performance.



Green, Energy and Environmental Audits

Green, Energy and Environmental Audits for academic year 21-22 conducted on 21st and 22nd December 2021.



Societal Initiatives

Energy Conservation

The College has been using CFL, LED and star rated power equipment etc. which consume lesser electricity and result in lesser energy utilization. The LED light has been installed in major areas of campus as a practice of replacing the old light systems for better energy conservation.

Waste Management

MoUs for the management of waste was renewed during the academic year.

Research Initiatives

Upgradation of Research Facilities and laboratories

- Cyber Forensic Research Lab under the CS department was established

IEDC ASIET

- Evaluating our performance, ASIET IEDC was recognized as **MSME Business Incubation Centre** by Govt of India in 2021. Kerala Startup Mission also recognised our IEDC as **Technology Business Incubator (TBI)**.

IIC ASIET

- Innovation and entrepreneurship promotion and support programs are organized under IIC, through round-the-year activities. This year also AdiShankara IIC has received 3 star and above rating for the activities.

Conferences Organised

- **1 International Conference and 1 National level Conference** were organised during the academic year.



Academic Initiatives

Additional Program

> ELECTRONICS AND BIOMEDICAL ENGINEERING (60 Seats)

- > The program Electronics and Biomedical Engineering is also a course with constant demand among the students. Shortage of biomedical engineers are felt in the society and the new program can nurture biomedical engineers for the future

Apart from these major initiatives to ensure the quality of the teaching learning process executed in the academic year 2021-2022 is summarised in the following table.

Activity	Count
Number of full time teachers with NET/ SET/Ph. D	38
No of Faculty Members deputed for Developmental/ Skill Upgradation Programs	80
No. of Research Papers published in the Journals notified on UGC CARE	36
No. of books and chapters published and papers in national/ international conference proceedings	13
MoUs Signed	9
Industry linked activities	24
Entrepreneurial and IPR Training Programs conducted	9
No of certificate /Value added programs Offered	43
Number of Students Enrolled in Certificate/Add-on/ Value added programs	1228




IQAC, ASIET

IQAC

Adi Shankara Institute of Engineering & Technology
Vidya Bharathi Nagar Mattoor, Kalady- 683574



6.3.3 Percentage of teaching and non-teaching staff participating in Faculty Development Programmes (FDP), professional development / administrative training programs during the Year 2021-2022

Sl No.	Name of the participant	Designation	Title of the FDP / professional development / administrative training program	Dates (from-to) (DD-MM-YYYY)
Teaching Staff				
1	Ms. Dona Joy	Assistant Professor	Innovation Ambassador (IA) training ' Foundation Level 'by MoE's Innovation Cell and AICTE	01-01-2021 to 01-04- 2022
2	Dr. Dhanasekar K	Professor	Five Days FDP on Water-A Precious Natural Resource	22-03-2022 to 03-2022
3	Ms. Reema Pius	Assistant Professor	Five Days Online FDP " Data Analysis and Modelling Softwares in Civil Engineering"	10-08-2021 to 14-08-2021
4	Ms. Shabnum Suhara Shamsudheen	Assistant Professor	Five Days Online FDP " Data Analysis and Modelling Softwares in Civil Engineering"	10-08-2021 to 14-08-2021
5	Mr. Abhishek Kumar A A	Assistant Professor	Five Days Online FDP " Data Analysis and Modelling Softwares in Civil Engineering"	10-08-2021 to 14-08-2021
6	Mr. Abin Joy	Assistant Professor	Five Days Online FDP " Data Analysis and Modelling Softwares in Civil Engineering"	10-08-2021 to 14-08-2021
7	Ms. Akhila Vijayan	Assistant Professor	Five Days Online FDP " Data Analysis and Modelling Softwares in Civil Engineering"	10-08-2021 to 14-08-2021
8	Ms. Clydin P A	Assistant Professor	Five Days Online FDP " Data Analysis and Modelling Softwares in Civil Engineering"	10-08-2021 to 14-08-2021
9	Dr. Manu S Nadesan	Associate Professor	Five Days Online FDP " Data Analysis and Modelling Softwares in Civil Engineering"	10-08-2021 to 14-08-2021
10	Ms. Jyothilekshmi R	Assistant Professor	Five Days Online FDP " Data Analysis and Modelling Softwares in Civil Engineering"	10-08-2021 to 14-08-2021
11	Ms. Jeeva P Winto	Assistant Professor	Five Days Online FDP " Data Analysis and Modelling Softwares in Civil Engineering"	10-08-2021 to 14-08-2021
12	Ms. Harshananda T N	Assistant Professor	Five Days Online FDP " Data Analysis and Modelling Softwares in Civil Engineering"	10-08-2021 to 14-08-2021





13	Dr. Manish T. I.	Professor	Five Days Online FDP " Data Analysis and Modelling Softwares in Civil Engineering"	05-07-2021 to 09-07-2021
14	Dr. Sanaj M.S.	Associate Professor	Ten Days International FDP on " Data Science and Machine Learning"	19-01-2022 to 31-01-2022
			Two -week International FDP on "Technology Insights on IOT,AI,And Data Science"	18-08-2021 to 28-08-2021
15	Ms. T Sobha	Associate Professor	Five Oline Day FDP on "Data science For The Next Decade"	05-07-2021 to 09-07-2021
16	Mr.Ajay Basil Varghese	Assistant Professor	Two-week international Winter School on "Cyber Security and Threat Intelligence"	17-01-2022 to 28-01-2022
17	Ms. Asha Rose Thomas	Assistant Professor	Five Days FDP on "Recent Trends and Applications of NLP"	14-02-2022 to 18-02-2022
18	Ms. Divya K. S.	Assistant Professor	Two-week international Winter School on "Cyber Security and Threat Intelligence"	17-01-2022 to 28-01-2022
			ATAL Online Elementary FDP on "Deep Learning"	05-07-2021 to 09-07-2021
19	Ms.Divya G	Assistant Professor	Attended in an Open Source Summit India -2021 by Open Source Club	28-06-2021 to 02-07-2021
20	Ms. Gripsy Paul Mannickathan	Assistant Professor	Two-week international Winter School on "Cyber Security and Threat Intelligence"	17-01-2022 to 28-01-2022
21	Mr. Jain Stoble B.	Assistant Professor	Five Days Online FDP Faculty on "Infrastructure and security challenges in cloud computing"	19-07-2021 to 24-07-2021
22	Ms.Neeha K Nataraj	Assistant Professor	Two-week international Winter School on "Cyber Security and Threat Intelligence"	17-01-2022 to 28-01-2022
23	Mr. Nikhil Narayanan	Assistant Professor	Virtual FDP on Modern web application development with Mean stack	05-01-2022 to 10-01-2022
24	Ms.Raghi R Menon	Assistant Professor	Two-week international Winter School on "Cyber Security and Threat Intelligence"	17-01-2022 to 28-01-2022
25	Mr.Ramesh R	Assistant Professor	Attended in an Open Source Summit India -2021 by Open Source Club	28-06-2021 to 02-07-2021
26	Ms. Remya Vinayakumar	Assistant Professor	Virtual FDP on Modern web application development with Mean stack	05-01-2022 to 10-01-2022
27	Ms. Rosemary Varghese	Assistant Professor	Five Days Online FDP Faculty on "Infrastructure and security challenges in cloud computing"	19-07-2021 to 24-07-2021
			ATAL Online Elementary FDP on " AI Enabled IOT Networks"	13-09-2021 to 17-09-2021
28	Ms. Rosemary Varghese (Jr)	Assistant Professor	Virtual FDP on Modern web application development with Mean stack	05-01-2022 to 10-01-2022





29	Ms. Simi M.S.	Assistant Professor	Five Days FDP on "Data science For The Next Decade"	05-07-2021 to 09-07-2021
			ATALOnline Elementary FDP on "Heart Rate Variability - Monitoring, Analysis and Diagnosis"	25-10-2021 to 29-10-2021
30	Ms.Sreereshmi T.S	Assistant Professor	Orientation programme on Advances in cyber security sponsored by AICTE and ISTE	19-01-2022 to 25-01-2022
31	Mr. Sumesh M. S.	Assistant Professor	Two-week international Winter School on "Cyber Security and Threat Intelligence"	17-01-2022 to 28-01-2022
32	Dr. Bobby Mathews C	HOD, Professor	Five Days Online FDP on Innovation Incubation and Reseach Challenges in India	21-06-2021 to 25-06-2021
33	Ms. Aswathy N	Assistant Professor	ATAL Online Elementary FDP on Research issues in VLSI design and testing	02-08-2021 to 06-08-2021
34	Ms.Arya Paul	Assistant Professor	Five Days FDP on 3D printing and additive manufacturing	18-04-2022 to 22-04-2022
35	Ms. Neema M	Assistant Professor	Twelve days FDP on Advanced optimisation techniques and hands on with MATLAB and SCILAB	06-09-2021 to 17-09-2021
36	Ms.Prameela B	Associate Professor	ATAL bOnline Elementary FDP on on ASIC Design for driving digital innovations in next gen platform	23-08-2021 to 27-08-2021
37	Ms. Neetha K	Assistant Professor	ATAL Online Elementary FDP on Green communication	24-08-2021 to 28-08-2021
38	Ms. Anju George	Assistant Professor	ATAL Online Elementary FDP on Green communication	24-08-2021 to 28-08-2021
39	Mr. Prasanth P Menon	Assistant Professor	ATAL Elementary Online FDP on Virtual and Augmented reality for robotics	12-07-2021 to 16-07-2021
40	Dr. Ajay Kumar	Associate Professor	Six Days FDP on Arificial Intelligence and Machine Language	28-02-2022 to 05-03-2022
			ATAL Online Elementary FDP on 6G wireless communication	20-12-2021 to 24-12-2021
41	Mrs.Divya V Chandran	Assistant Professor	ATAL On;ine Elementary FDP on Hyper spectral remote sensing and it's applications	06-09-2021 to 10-09-2021
			ATALOnline Elementary FDP on remote sensing and GIS	13-09-2021 to 17-09-2021
42	Ms. Jaimy James	Assistant Professor	ATAL Online Elementary FDP on FPGA Based Deep learning applications in signal processing	05-07-2021 to 09-07-2021
			Forty Hours Online FDP on Natural Language Processing	19-02-2022 to 28-02-2022





43	Mr. Albins Paul	Assistant Professor	ATAL Online Elementary FDP on AI enabled IoT networks	13-09-2021 to 17-09-2021
			ATAL Online Elementary FDP on Machine Learning and applications on image processing	17-01-2022 to 21-01-2022
44	Ms.Savitha Raghavan	Assistant Professor	Five Days FDP on Deep Learning and Neural Networks	05-07-2021 to 09-07-2021
45	Mr. Prajesh P A	Assistant Professor	ATAL Online Elementary FDP in Research Issues in VLSI Design and Testing	02-08-2021 to 06-08-2021
46	Dr. Eldhose K K	Professor	Five Days Inpods FDP on advanced concepts of Outcome Based Education	04-04-2022 to 08-04-2022
47	Mr. Jithesh S R	Associate Professor	ATALOnline Elementary FDP on Additive Manufacturing: Current trends and prospects towards Developing AM Research	25-10-2021 to 29-10-2021
48	Mr. Goutam S	Assistant Professor	Four-week Course on Connective Heat Transfer by NPTEL	01-02-2022 to 01-03- 2022
49	Mr. Sreedeeep Krishnan	Associate Professor	ATAL Online Elementary FDP on State of the art applications and research areas in high voltage engineering	05-07-2021 to 09-07-2021
50	Mr. Vinila M L	Assistant Professor	Innovation Ambassador (IA) training ' Foundation Level 'by MoE's Innovation Cell and AICTE	01-01-2021 to 01-04- 2022
51	Ms.Anju Mary Joseph	Assistant Professor	Two-week Online Workshop on Machine learning,Deep Learning and Computational Intelligence for wireless communication	30-05-2022 to 10-06-2022
52	Ms.Lakshmi M Hari	Assistant Professor	ATAL Online Elementary FDP Advancement of digital health and medical innovation during pandemic by AICTE training and learning academy (ATAL)	06-12-2021 to 10-12-2021
53	Ms. Akhila K	Assistant Professor	Five Days Online FDP on " Power electronics for Electric vehicles: Control and Challenges"	06-07-2021 to 10-07-2021
54	Mr. Alan Mathew George	Assistant Professor	Five Days Online FDP on " Power electronics for Electric vehicles: Control and Challenges"	06-07-2021 to 10-07-2021
55	Ms. Anitha P	Associate Professor	Five Days Online FDP on " Power electronics for Electric vehicles: Control and Challenges"	06-07-2021 to 10-07-2021
56	Ms. Anna Baby	Assistant Professor	Five Days Online FDP on " Power electronics for Electric vehicles: Control and Challenges"	06-07-2021 to 10-07-2021
57	Ms. Deepa Sankar	Associate Professor	Five Days Online FDP on " Power electronics for Electric vehicles: Control and Challenges"	06-07-2021 to 10-07-2021
			Five Days Online FDP on "Power converters - An Embedded System Based Approach"	22-07-2021 to 28-07-2021





58	Ms. Gomathy S	Associate Professor	Five Days Online FDP on " Power electronics for Electric vehicles: Control and Challenges"	06-07-2021 to 10-07-2021
59	Ms. Hima T	Assistant Professor	Five Days Online FDP on " Power electronics for Electric vehicles: Control and Challenges"	06-07-2021 to 10-07-2021
			ATAL Online Elementary FDP on "Nonlinear Systems: Dynamics and Control"	13-12-2021 to 17-12-2021
60	Dr. Jeny Paul P	Professor	Five Days Online FDP on " Power electronics for Electric vehicles: Control and Challenges"	06-07-2021 to 10-07-2021
61	Ms. Nayana J	Assistant Professor	Five Days Online FDP on " Power electronics for Electric vehicles: Control and Challenges"	06-07-2021 to 10-07-2021
62	Ms. Rajalakshmy S	Senior Assistant Professor	Five Days Online FDP on " Power electronics for Electric vehicles: Control and Challenges"	06-07-2021 to 10-07-2021
63	Ms. Rajitha A R	Assistant Professor	Five Days Online FDP on " Power electronics for Electric vehicles: Control and Challenges"	06-07-2021 to 10-07-2021
64	Ms. Remya K P	Assistant Professor	Five Days Online FDP on " Power electronics for Electric vehicles: Control and Challenges"	06-07-2021 to 10-07-2021
			Five Days Online FDP on "Power converters - An Embedded System Based Approach"	22-07-2021 to 28-07-2021
65	Mr. Sijo George	Assistant Professor	Five Days Online FDP on " Power electronics for Electric vehicles: Control and Challenges"	06-07-2021 to 10-07-2021
66	Mr. Sreehari S	Assistant Professor	Five Days Online FDP on " Power electronics for Electric vehicles: Control and Challenges"	06-07-2021 to 10-07-2021
67	Dr. Subirumoniyan S	Professor	Five Days Online FDP on " Power electronics for Electric vehicles: Control and Challenges"	06-07-2021 to 10-07-2021
68	Dr. Tony George	Associate Professor	Five Days Online FDP on " Power electronics for Electric vehicles: Control and Challenges"	06-07-2021 to 10-07-2021
69	Ms. Resmi V R	Assistant Professor	Two-weeks Online Workshop on Spectroscopic ,Structural & Electrical Characterization Techniques	31-01-2022 to 15-02-2022
70	Mr. Nimal CN	Associate Professor	Five Days Online FDP on Trends and Challenges in Digital Business Innovation	26-07-2021 to 30-07-2021
71	Mr.Eldho Mathew	Assistant Professor	Five Dyas FDP on Renewable Energy Sources; Conversion,Storage & Applications	06-01-2022 to 10-01-2022
72	Ms.S. Priya	Assistant Professor	ATAL Online Elementary FDP on Structure Equation Modeling and Artificial Neural Network in Management Research	07-12-2021 to 11-12-2021
73	Mr.Eldhose K Joy	Assistant Professor	Five Days FDP on Renewable Energy Sources; Conversion,Storage & Applications	06-01-2022 to 10-01-2022
74	Mr.Tony K P	Associate Professor	One -week FDP on Heating ,Ventilation, Air Conditioning & Refrigeration	03-08-2021 to 08-08-2021





75	Ms.Archana Aniyan	Assistant Professor	ATAL Online Elementary FDP Research issues in VLSI design and Testing	02-08-2021 to 06-08-2021
76	Dr.Arya Devi P S	Associate Professor	ATAL Online Elementary FDP on "Heart Rate Variability- Monitoring, Analysis and diagnosis"	25-10-2021 to 29-10-2021
Non-Teaching Staffs				
77	Ms.Deepa PB	Lab Instructor	ATAL Online Elementary FDP on Robotics	06-09-2021 to 10-09-2021
78	Ms.Sheeja Santhosh	Lab Instructor	ATAL Online Elementary FDP on Robotics	06-09-2021 to 10-09-2021
79	Mr.SyamSundar B	Lab Instructor	ATAL Online Elementary FDP on AI Enabled IoT Networks	13-09-2021 to 17-09-2021
80	Ms.Sreesubha Gopi	Lab Instructor	ATAL Online Elementary FDP on Robotics	06-09-2021 to 10-09-2021



IQAC

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