



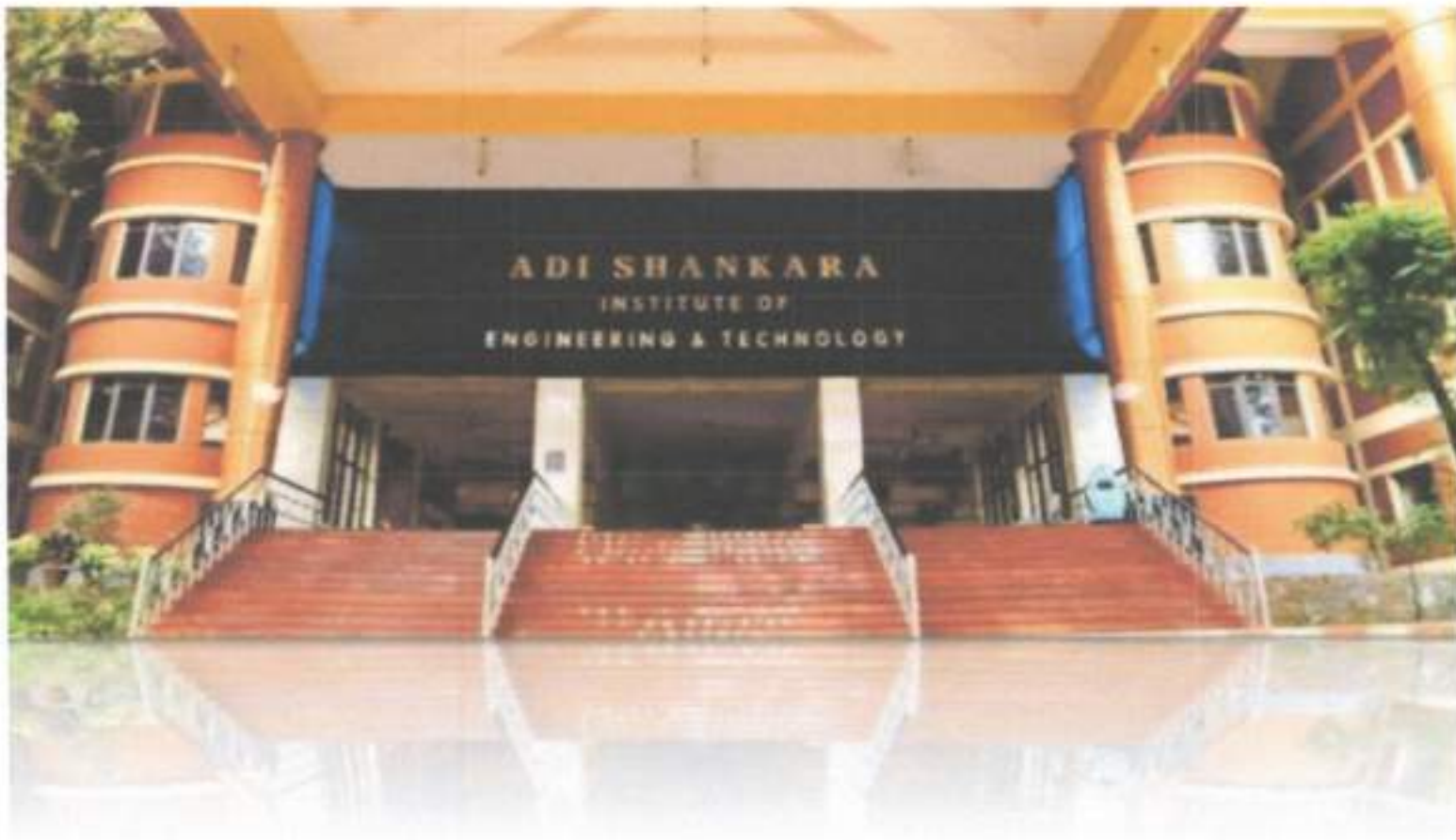
Adi Shankara

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

2019 – 2020



2019-2020

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 2019-2020 are listed below.

Accreditations

4 eligible programs (Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering and Mechanical Engineering) are **accredited** ([NBA Accreditation Status 2019](#))

Functioning of IQAC

Completing 1 year of existence during the academic year 2019– 2020, IQAC has been instrumental in the quality initiatives of the institute. **Periodic review meetings** were conducted and actions were planned and executed for improvement.

Academic and Administrative Audits

The external audit scheduled by the University was conducted on 11th November, 2019. Dr. Chikku Abraham, Muthoot Institute of Technology, Ernakulam was appointed as the external auditor by the university.

On 3rd Jan 2020, another external audit was carried out to verify the status of NBA reaccreditation process. The auditor was Dr. Muruganatham Ponnusamy, Registrar, Saintgits Group of Institutions, Kottayam (Approved Auditor of NBA).

Internal Academic Audit Committee (AAC) comprising of senior faculty members from various departments was also formed and 4 internal audits were carried out during the academic year, two for each semester.



Research Initiatives

Facility Upgradation

Advanced Communication Lab was set up upgrading the communication lab with additional features with the help of AICTE MODROBS scheme in 2019.

Conferences Organised

1 International Conference was organised during the academic year.

IEDC ASIET

Evaluating our IEDC performance, Kerala State Industrial Development Cooperation has sanctioned a Business Incubation Centre at Adi Shankara in 2019.

Societal Initiatives

Green Campus

Waste (Solid, Liquid and E-Waste) management policies and practiced in the campus. MoUs with agencies are in place for the waste management. The solar electricity plant to promote the conservation of energy, established earlier is maintained with its maximum capacity. Programs were also organised to sensitise the importance of the conservation of nature and management of wastes.

Academic Initiatives

FDP/Training Programmes Organised

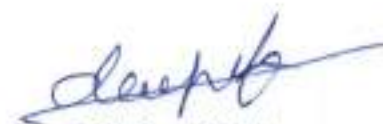
In order to upskill the faculty members **1 FDP** was conducted during the academic year.

Apart from these major initiatives to ensure the quality of the teaching learning process executed in the academic year 2019-2020 is summarised in the following table.

Activity	Count
Number of full time teachers with NET/ SET/Ph. D	30
No of Staff Members deputed for Developmental/ Skill Upgradation Programs	77



No. of Research Papers published in the Journals notified on UGC CARE	8
No. of books and chapters published and papers in national/ international conference proceedings	34
MoUs Signed	2
Entrepreneurial and IPR Training Programs Organised	8
No of certificate /Value added programs offered	42
Number of Students Enrolled in Certificate/Add-on/ Value added programs	1352



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 2019-2020

SI 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. Harshananda T N	Assistant Professor	Eight Days Online FDP on Outcome based Learning Approach in Higher Education	23-04-2020 to 30-04-2020
			One week Online FDP on OpenFOAM	01-06-2020 to 05-06-2020
2	Mr. Aneesh P C	HOD & Assistant Professor	Five Days FDP on "Emerging Trends in Sustainable Developments in Transportation Engineering"	23-09-2019 to 27-09-2019
3	Dr. Manish T.J	Professor	ATAL FDP on "Blockchain"	09-12-2020 to 13-12-2020
4	Ms. Asha Rose Thomas	Assistant Professor	Five Days Short Term Training Programme on "Recent Trends in Applications of Machine Learning and Deep Learning in IT"	25-05-2020 to 29-05-2020
5	Ms. Divya G.	Assistant Professor	Five Days FDP on "Internet of Things"	15-04-2020 to 19-04-2020
			Five Days FDP on "Linux Applications in Engineering Education"	27-04-2020 to 01-05-2020
			ATAL Online FDP on "Internet of Things(IoT)"	07-05-2020 to 11-05-2020
6	Ms. Gokilavani	Assistant Professor	ATAL FDP on "Blockchain"	09-12-2019 to 13-12-2019
7	Ms. Gipsy Paul Mannickathan	Assistant Professor	ATAL FDP on "Blockchain"	09-12-2020 to 13-12-2020
8	Ms. Jain Stoble B.	Assistant Professor	ATAL FDP on "Blockchain"	09-12-2019 to 13-12-2019
			Five Days FDP on "Information and Network Security Challenges"	01-07-2019 to 05-07-2019
9	Mr. Joseph George	Assistant Professor	Two weeks FDP on "Data Science & Deep Learning"	15-07-2019 to 26-07-2019
10	Ms. Neetha .K. Nataraj	Assistant Professor	Five Days FDP on "Information and Network Security Challenges"	01-07-2019 to 05-07-2019





11	Ms.Raghi R. Menon	Assistant Professor	Five Days FDP on "Information and Network Security Challenges"	01-07-2019 to 05-07-2019
12	Mr.Ramesh R.	Assistant Professor	Five Days FDP on "Linux Applications in in Engineering Education"	27-04-2020 to 01-05-2020
			Five Days FDP on "Internet of Things"	15-04-2020 to 19-04-2020
			ATAL FDP on "Blockchain"	09-12-2019 to 13-12-2019
13	Ms.Rosemary Varghese	Assistant Professor	ATAL FDP on "Blockchain"	09-12-2019 to 13-12-2019
			Five Days FDP on "Information and Network Security Challenges"	01-07-2019 to 05-07-2019
			Five Days FDP on "Linux Applications in in Engineering Education"	27-04-2020 to 01-05-2020
14	Ms.Sameera K. M.	Assistant Professor	Five Days FDP on "Information and Network Security Challenges"	01-07-2019 to 05-07-2019
15	Ms.Simi M.S.	Assistant Professor	ATAL FDP on "Artificial Intelligence"	02-12-2019 to 06-12-2019
			ATAL FDP on "Blockchain"	09-12-2019 to 13-12-2019
16	Ms.Sreereshmi T. S.	Assistant Professor	Five Days FDP on "Big Data Analytics"	18-05-2020 to 22-05-2020
17	Mr.Sumesh M. S.	Assistant Professor	ATAL FDP on "Blockchain"	09-12-2019 to 13-12-2019
18	Ms.Teena George	Assistant Professor	Five Days FDP on "Information and Network Security Challenges"	01-07-2019 to 05-07-2019
			Seven Days Course On "Android Apps Development" by Apptrox Technologies	04-05-2020 to 10-05-2020
19	Ms.Chinnu S	Assistant Professor	Five Days Online Short Term Training Programme on MATLAB based Teaching - learning in mathematics, science & Engineering	18-05-2020 to 22-05-2020
20	Ms.Jaimy James	Assistant Professor	ATAL FDP on "Data Science"	30-04-2020 to 04-05-2020
21	Mr.Sreerag M	Assistant Professor	Five Days FDP on "Innovative design and product development"	08-07-2019 to 12-07-2019
22	Ms.Arjana S	Assistant Professor	Five Days Online Short Term Training Programme on "Recent trends and applications of Machine Learning and Deep Learning in IT"	25-05-2020 to 29-05-2020
23	Ms.Asathy N	Assistant Professor	ATAL Online FDP on Artificial Intelligence	24-04-2020 to 28-04-2020
24	Mr.Prasanth P Menon	Assistant Professor	Five Days FDP on "Innovative design and product development"	08-07-2019 to 12-07-2019





25	Mr.Bipin P R	Associate Professor	Five Days FDP on "AI & it's applications"	11-05-2020 to 15-05-2020
			Five Days Online Short Term Training Programme on "Recent trends and applications of Machine Learning and Deep Learning in IT"	25-05-2020 to 29-05-2020
26	Ms.Arya Paul	Assistant Professor	Five Days Online Short Term Training Programme on "Recent trends and applications of Machine Learning and Deep Learning in IT"	25-05-2020 to 29-05-2020
27	Ms.Anjali Gopinath	Assistant Professor	Five Days Online Short Term Training Programme on "Recent trends and applications of Machine Learning and Deep Learning in IT"	25-05-2020 to 29-05-2020
28	Ms.Anju George	Assistant Professor	ATAL Online FDP on Cyber security	14-05-2020 to 18-05-2020
29	Ms.Neetha K	Assistant Professor	Five Days Online Short Term Training Programme on "Recent trends and applications of Machine Learning and Deep Learning in IT"	25-05-2020 to 29-05-2020
30	Ms.Divya V Chandran	Assistant Professor	Five Days Online Short Term Training Programme on "Recent trends and applications of Machine Learning and Deep Learning in IT"	25-05-2020 to 29-05-2020
31	Ms.Savitha Raghavan	Assistant Professor	Five Days Online Short Term Training Programme on "Recent trends and applications of Machine Learning and Deep Learning in IT"	25-05-2020 to 29-05-2020
32	Mr.Prajeesh P A	Assistant Professor	Five Days FDP on "Innovative design and product development"	08-07-2019 to 12-07-2019
33	Dr.Rajesh Cherian	Professor	Five Days Summer school on speech signal processing	06-07-2019 to 10-07-2019
34	Ms. Akhila K	Assistant Professor	ATAL FDP on Block Chain	09-12-2019 to 13-12-2019
35	Mr.Alan Mathew	Assistant Professor	Eight Days Short Term Training Programme on Electric vehicles - scope ,challenges and development	03-01-2022 to 10-01-2020
36	Ms. Anitha P	Associate Professor	Five Days FDP on Advances in Electric Vehicles Technology	08-07-2019 to 12-07-2019
37	Ms. Anna Baby	Assistant Professor	ATAL FDP on "Blockchain"	09-12-2019 to 13-12-2019
38	Ms. Hima T	Assistant Professor	Five Days FDP on "Electric Vehicles: Exploring Inside The Box"	08-06-2020 to 12-06-2020
39	Dr. Jenopaul P.	Professor	Seven Days FDP on " Scope of Artificial Intelligence and Machine Learning in Automation "	11-05-2020 to 17-05-2020
40	Mr.Sijo George	Assistant Professor	Five Days FDP on "Electric Vehicles: Exploring Inside The Box"	08-06-2020 to 12-06-2020





41	Mr. Sreehari S.	Assistant Professor	Eight Days Short Term Training Programme on Electric vehicles - scope ,challenges and development	03-01-2020 to 10-01-2020
			Five Days Short Term Training Programme on "MATLAB based Teaching - Learning in Mathematics Science and Engineering	18-05-2020 to 22-05-2020
42	Ms Nayana J	Assistant Professor	ATAL FDP on "Blockchain"	09-12-2019 to 13-12-2019
43	Ms Rajitha A R	Assistant Professor	Five Days FDP on Advances in Electric Vehicles Technology	08-07-2019 to 12-07-2019
			ATAL FDP on "Blockchain"	09-12-2019 to 13-12-2019
44	Dr Eldhose K K	Associate Professor	Five Days FDP on "Deep Learning and Machine Learning approaches and it's applications"	09-12-2019 to 13-12-2019
45	Dr.Anand Raj Hariharan	HOD, Professor	Twelve weeks Course on Advanced Fluid Mechanics by NPTEL	01-01-2020 to 01-04- 2020
46	Dr.Jobin Varghese	Associate Professor	Five Days Online Training program on Stimulation Based Product Design	27-04-2020 to 01-05-2020
47	Mr.Jithesh S R	Assistant Professor	Five Days Webinar Series on "Industrial Aspects of Thermal Engineering"	13-06-2020 to 17-06-2020
48	Mr.Mohammad Shiyas	Assistant Professor	Five Days FDP on "Technological Advances in Mechanical Engineering"	29-06-2020 to 03-07-2020
			Seven Days FDP on "Renewable Energy Sources"	15-05-2020 to 21-05-2020
49	Mr.Eldho Mathew	Assistant Professor	Six Days Short Term Training Programme on "Latest trends in Mechanical Engineering and Technologies"	26-05-2020 to 31-05-2020
50	Mr.Eldhose K Joy	Assistant Professor	Five Days Online Short Term Training Programme on "Bio-energy: Technologies and Transition"	13-05-2020 to 17-05-2020
51	Mr.Arjun P Das	Assistant Professor	Seven Days FDP on "Renewable Energy Sources"	15-05-2020 to 21-05-2020
52	Mr.Sreenivasan S N	Assistant Professor	Seven Days FDP on "Renewable Energy Sources"	15-05-2020 to 21-05-2020
53	Mr.Ajith M S	Assistant Professor	Seven Days FDP on "Renewable Energy Sources"	15-05-2020 to 21-05-2020
54	Mr.Aneesh V	Assistant Professor	Five Days FDP on "Technological Advances in Mechanical Engineering"	29-06-2020 to 03-07-2020
55	Mr.Sandeep O S	Assistant Professor	Seven Days FDP on "Renewable Energy Sources"	15-05-2020 to 21-05-2020
56	Mr.Vishnu S	Assistant Professor	One week National Level FDP on "Design Services in Advanced Manufacturing"	22-06-2020 to 27-06-2020





57	Mr.Majo Davis	Assistant Professor	Seven Days FDP on "Renewable Energy Sources"	15-05-2020 to 21-05-2020
58	Mr.Akhil Sankar K	Assistant Professor	One week Short Term Training Programme on "Latest trends in Mechanical Engineering and Technologies"	26-05-2020 to 31-05-2020
59	Mr.Narendran A K	Assistant Professor	Seven Days FDP on "Renewable Energy Sources"	15-05-2020 to 21-05-2020
			One week Short Term Training Programme on "Latest trends in Mechanical Engineering and Technologies"	26-05-2020 to 31-05-2020
			Five Days Online Short Term Training Programme on "Bio-energy: Technologies and Transition"	18-05-2020 to 22-05-2020
60	Mr.Goutam D	Assistant Professor	Five Days FDP on "Renewable Energy Sources :Conversion,Storage & Applications"	06-01-2020 to 10-01-2020
61	Mrs. Dhanya R	Assistant Professor	Eight weeks course on Calculus of Several Real Variables by NPTEL	01-08-2019 to 01-10-2019
62	Ms. Jisha K R	Assistant Professor	Six Days Training program on " Deep Learning"	30-12-2019 to 04-01-2020
63	Ms. Jayalakshmi P K	Assistant Professor	Twelve weeks Course on "Deep Learning- Part 1"by NPTEL	01-01-2020 to 01-04-2020
64	Ms. Vinila M.L	Assistant Professor	Course on " Stress Management" by NPTEL	01-07-2019 to 01-08-2019
65	Mr. Sreedeeep Krishnan	Assistant Professor	Five Days FDP on " Innovative Design and Product Development"	08-07-2019 to 12-07-2019
66	Mr.Nimal CN	Associate Professor	Six Days Online Skill Development Program on "Data Management & Analysis Using Excel"	25-05-2020 to 30-05-2020
67	Ms.Neema M	Assistant Professor	One week Short Course on "5G Technologies-MIMO,Millimeter"	08-02-2019 to 14-02-2019
68	Mr.Jeeva P Winto	Assistant Professor	Five Days FDP on :Emerging Trends in Sustainable Developments in Transportation Engineering	23-09-2019 to 27-09-2019
69	Ms.Anaswara Jayan	Assistant Professor	ATAL FDP on DataScience	09-12-2019 to 13-12-2019
70	Dr.Tony George	Associate Professor	Five Days FDP on Advances in Electric Vehicle Technology	08-07-2019 to 12-07-2019





71	Mr. Tony K P	Assistant Professor	Five Days FDP on Tools , Techniques and models for scientific Research	22-07-2019 to 26-07-2019
72	Ms.Neethu Suman	Assistant Professor	Four weeks Course on Python for Data science by NPTEL	01-08-2019 to 01-09- 2019
73	Ms.Sindhu V	Senior Assistant Professor	Eight weeks Course on Principles of modern CDMA/MIMO/OFDM wireless communications by NPTEL	01-08-2019 to 01-10- 2019
74	Mr.Albins Paul	Assistant Professor	Twelve weeks Course on Signals and Systems by NPTEL	01-01-2020 to 01-04- 2020
75	Ms.Remya Ramesh	Assistant Professor	Five Days Online Short Term Training Programme on Recent Trends in Data Science and Inforation Security	22-06-2020 to 26-06-2020
76	Mr.Dileep K	Assistant Professor	Twelve weeks Course on "Deep Learning- Part 1"by NPTEL	01-01-2020 to 01-04- 2020
			Five Days FDP on Innovative Design and Product Development	08-07-2019 to 12-07-2019
Non-Teaching Staffs				
77	Ms.Deepa V V	Lab Instructor	One week Online FDP on "Data science Using R"	11-05-2020 to 15-05-2020

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