



# 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

## 2018 - 2019



2018-2019

### QUALITY INITIATIVES & ENRICHMENT ACTIVITIES

At Adi Shankara Institute of Engineering and Technology (ASIET), we promote quality and its improvement in every aspects of academic environment. Several steps were taken in this regard during the academic year 2018-2019.

#### Accreditation Status:

In order to improve on the quality of the system, 4 eligible programs (Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering and Mechanical Engineering) applied for the National Board of Accreditation (NBA) accreditation last academic year. The audits were successful and all the **4 programs were granted accreditation** for the 3 academic years. ([NBA Accreditation Status 2018](#))

#### Functioning of IQAC

In order to maintain a quality environment initiate timely interventions, the IQAC cell of the institute was set up in Jan 2018. During the academic year 2018 – 2019, IQAC started its vigilance on every aspect of the institution. **Periodic review meetings** were conducted and actions were planned and executed for improvement.

#### Academic and Administrative 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.

The External Audit scheduled by the University was conducted on 22<sup>nd</sup> November, 2018. Prof. Bos Mathew Jose, Professor, Dept. of EEE MACE, Kothamangalam, Ernakulam was appointed as the external auditor by the university.

Internal Academic Audit Committee (AAC) comprising of senior faculty members from various departments was also formed and 2 internal audits were carried out during the academic year, one for each semester.



## Societal Initiatives

### **Green Campus**

ASIET has pledged its allegiance to development of the community through sustainable growth. In order to put this into practice several steps are taken. A green campus policy has been in practice in the campus. Steps were taken to conserve energy and water. 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.

### **Flood Relief Activities**

Adi Shankara Institute itself was reshaped as a **Flood Relief Centre 'Do for Kerala'** during the heavy flood which hit Kerala in 2018-19. Flood relief activities were also organized at Kuttanad, Alappuzha

## Research Initiatives

### **IPR Cell**

With an intention of creating awareness among the Faculty and the Research Scholars, the IPR Cell was launched on 25.06.2018.

### **IEDC ASIET**

Continuing its legacy Adi Shankara IEDC Bootcamp as the best IEDC in the state in 2016, 2017 among the 216 IEDC's in the state, in **2018** also Kerala Startup Mission has selected Adi Shankara IEDC as the **best IEDC in the state**. Considering the notable contribution to the start-up ecosystem, Adi Shankara IEDC has also received the **Entrepreneurship Enabler Award 2018** from the Kerala Startup Mission.

### **Conferences Organised**

To promote research activities **2 National level Conferences** were organised. The conferences gave a venue for the students and faculty members to interact with external people and showcase their findings.



## Academic Initiatives

### FDP/Training Programmes Organised

In order to upskill the faculty members several programs like **4 FDPs and 4 Training programs** were conducted during the academic year.

Apart from these major initiatives to ensure the quality of the teaching learning process executed in the academic year 2018-2019 is summarised in the following table.

Activity	Count
Number of full time teachers with NET/ SET/Ph. D	27
No of Faculty Members deputed for Developmental/ Skill Upgradation Programs	101
No. of Research Papers published in the Journals notified on UGC CARE	6
No. of books and chapters published and papers in national/ international conference proceedings	7
MoUs Signed	11
Entrepreneurial and IPR Training Programs Organised	15
No of certificate /Value added programs conducted	19
Number of Students Enrolled in Certificate/Add-on/ Value added programs	1067
Gender Equity and Promotion programs conducted	9



**IQAC, ASIET**

**IQAC**

Adi Shankara Institute of Engineering & Technology  
Vidya Bharathi Nagar, Malloor, 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 2018-2019

SI No.	Name of the participant	Designation	Title of the FDP / professional development / administrative training program	Dates (from-to) (DD-MM-YYYY)
<b>Teaching Staff</b>				
1	Mr.Sreerag M	Assistant Professor	FDP on Signal processing from Fundamentals to Challenges	09-07-2018 to 13-07-2018
2	Ms.Anjana S	Assistant Professor	Industrial training on solar power system and power electronics	16-07-2018 to 20-07-2018
3	Mr.Anuroop K B	Assistant Professor	Training Program,STE-SDC Course "Train the Trainer"by Tessolve Semiconductor Pvt.Ltd	06-05-2019 to 10-05-2019
4	Mr.Prasanth P Menon	Assistant Professor	FDP on Artificial Intelligence and Machine Learning	14-12-2018 to 19-12-2018
5	Mr.Akash G Kamal	Assistant Professor	FDP on Artificial Intelligence and Machine Learning	14-12-2018 to 19-12-2018
6	Ms.Arya Paul	Assistant Professor	FDP on Artificial Intelligence and Machine Learning	14-12-2018 to 19-12-2018
			Industrial training on solar power system and power electronics	09-07-2018 to 13-07-2018
7	Neema M	Assistant Professor	FDP on Artificial Intelligence using Deep Learning and Machine Learning	26-11-2018 to 30-11-2018
8	Mr.Albins Paul	Assistant Professor	FDP on Artificial Intelligence and Machine Learning	14-12-2018 to 19-12-2018
9	Mr.Ajay Kumar	Associate Professor	Short term Course on Free and Open Source Geospatial Technologies (FOSS4G) for Natural Resource Management	27-05-2019 to 31-05-2019
10	Ms.Divya V Chandran	Assistant Professor	FDP on Artificial Intelligence and Machine Learning	14-12-2018 to 19-12-2018
			Industrial training on solar power system and power electronics	09-07-2018 to 13-07-2018
			FDP on Industrial Robotics Platforms,Algorithm & Techniques	16-07-2018 to 20-07-2018
11	Ms.Shanthi Prabhu	Assistant Professor	FDP on Artificial Intelligence and Machine Learning	14-12-2018 to 19-12-2018





11	Ms. Shanthi Prabhu	Assistant Professor	FDP on Artificial Intelligence and Machine Learning	14-12-2018 to 19-12-2018
12	Ms. Neethu Suman	Assistant Professor	FDP on Artificial Intelligence and Machine Learning	14-12-2018 to 19-12-2018
			FDP on Industry 4.0 - Technological Advances and Implications	17-06-2019 to 21-06-2019
			Industrial training on solar power system and power electronics	09-07-2018 to 13-07-2018
13	Mr. Jayesh T P	Assistant Professor	Workshop entitled on Disaster Management	16-01-2019 to 20-01-2019
			FDP on Artificial Intelligence and Machine Learning	14-12-2018 to 19-12-2018
14	Ms. Savitha Raghavan	Assistant Professor	FDP on Artificial Intelligence and Machine Learning	14-12-2018 to 19-12-2018
15	Ms. Archana Aniyar	Assistant Professor	FDP on Artificial Intelligence and Machine Learning	14-12-2018 to 19-12-2018
16 17	Mr. Prajeesh P A Ms. Prameela B	Assistant Professor Associate Professor	FDP on Artificial Intelligence and Machine Learning	14-12-2018 to 19-12-2018
			Training Program, STE-SDC Course "Train the Trainer" by Tessolve Semiconductor Pvt. Ltd	06-05-2019 to 10-05-2019
18	Mr. Sreekanth K S	Associate Professor	FDP on Artificial Intelligence and Machine Learning	14-12-2018 to 19-12-2018
19	Mr. Ragesh G K	Professor	Short term Course on Free and Open Source Geospatial Technologies (FOSS4G) for Natural Resource Management	27-05-2019 to 31-05-2019
20	Ms. Jyothi Lekshmi R	Assistant Professor	Workshop entitled on "Disaster management"	16-01-2019 to 20-01-2019
21	Dr. Manish T.J	Professor	Workshop entitled on "Disaster Management"	16-01-2019 to 20-01-2019
			FDP on "Recent Industry practices in project management and testing"	27-05-2019 to 31-05-2019
22	Ms. Deepika M.P	Associate Professor	FDP on "Recent Industry practices in project management and testing"	27-05-2019 to 31-05-2019
23	Ms. T. Sobha	Associate Professor	FDP on "Recent Industry practices in project management and testing"	27-05-2019 to 31-05-2019
24	Mr. Ajay Basil Varghese	Assistant Professor	FDP on "Android Development Fundamentals"	17-12-2018 to 21-12-2018
25	Ms. Asha Rose Thomas	Assistant Professor	FDP on "Artificial Intelligence & Machine Learning"	14-12-2018 to 19-12-2018





26	Ms.Divya K. S	Assistant Professor	FDP on "Artificial Intelligence & Machine Learning"	14-12-2018 to 19-12-2018
			FDP on "Recent Industry practices in project management and testing"	27-05-2019 to 31-05-2019
27	Ms.Gokilavani	Assistant Professor	FDP on "Artificial Intelligence & Machine Learning"	14-12-2018 to 19-12-2018
			FDP on "Android Development Fundamentals"	17-12-2018 to 21-12-2018
28	Gripsy Paul Mannickathan	Assistant Professor	FDP on "Recent Industry practices in project management and testing"	27-05-2019 to 31-05-2019
29	Ms.Jain Stoble B.	Assistant Professor	FDP on "Android Development Fundamentals"	17-12-2018 to 21-12-2018
			FDP on "Recent Industry practices in project management and testing"	27-05-2019 to 31-05-2019
30	Mr.Joseph George	Assistant Professor	FDP on "Artificial Intelligence & Machine Learning"	17-12-2018 to 21-12-2018
			FDP on "Recent Industry practices in project management and testing"	27-05-2019 to 31-05-2019
31	Ms.Neetha .K. Nataraj	Assistant Professor	FDP on "Artificial Intelligence & Machine Learning"	14-12-2018 to 19-12-2018
32	Ms.Raghi R. Menon	Assistant Professor	FDP on "Artificial Intelligence & Machine Learning"	14-12-2018 to 19-12-2018
			FDP on "Recent Industry practices in project management and testing"	27-05-2019 to 31-05-2019
33	Mr.Ramesh R.	Assistant Professor	Training program on "Machine Learning- Training of Trainers Programme" by Additional Skill Acquisition Program	16-07-2018 to 21-07-2018
34	Ms.Sankaranyaki. K.	Assistant Professor	Workshop on "Advances in machine learning"	26-11-2018 to 30-11-2018
35	Ms.Sreeremi T. S.	Assistant Professor	Training program on "Machine Learning- Training of Trainers Programme" by Additional Skill Acquisition Program	20-09-2018 to 25-09-2018
			FDP on "Recent Industry practices in project management and testing"	27-05-2019 to 31-05-2019
36	Mr.Sumesh M. S.	Assistant Professor	STTP on "Technology enhanced learning Environment"	07-01-2019 to 11-01-2019
			FDP on "Recent Industry Practices in Project Management and Testing"	27-05-2019 to 31-05-2019





37	Ms.Teena George	Assistant Professor	FDP on "Recent Industry practices in project management and testing"	27-05-2019 to 31-05-2019
			FDP on "Artificial Intelligence & Machine Learning"	14-12-2018 to 19-12-2018
38	Mr.Anand Raj	Professor	Short term Course on "Advanced methods in compressible fluid flow Analysis	11-03-2019 to 16-03-2019
39	Mr.Jithesh S R	Assistant Professor	workshop entitled on Disaster management	16-01-2019 to 20-01-2019
40	Mr.Leo Francis	Assistant Professor	workshop on entitled Disaster management	16-01-2019 to 20-01-2019
41	Mr.Unnikrishnan S Nair	Associate Professor	workshop on entitled Disaster management	16-01-2019 to 20-01-2019
42	Mr.Tony K P	Assistant Professor	workshop on entitled Disaster management	16-01-2019 to 20-01-2019
43	Mr.Mohammad Shiyas	Assistant Professor	workshop on entitled Disaster management	16-01-2019 to 20-01-2019
44	Mr.Eldho Mathew	Assistant Professor	workshop on entitled Disaster management	16-01-2019 to 20-01-2019
45	Mr.Eldhose K Joy	Assistant Professor	workshop on entitled Disaster management	16-01-2019 to 20-01-2019
46	Mr.Arun P Das	Assistant Professor	workshop on entitled Disaster management	16-01-2019 to 20-01-2019
47	Mr.Sreenivasan S N	Assistant Professor	workshop on entitled Disaster management	16-01-2019 to 20-01-2019
48	Mr.Ajith M S	Assistant Professor	workshop on entitled Disaster management	16-01-2019 to 20-01-2019
49	Mr.Goutam S	Assistant Professor	Short term Course on "Advanced methods in compressible fluid flow Analysis	11-03-2019 to 16-03-2019
			workshop on entitled Disaster management	16-01-2019 to 20-01-2019
50	Mr.Aneesh V	Assistant Professor	workshop on entitled Disaster management	16-01-2019 to 20-01-2019
51	Mr.Sandeep O S	Assistant Professor	workshop on entitled Disaster management	16-01-2019 to 20-01-2019
52	Mr.Majo Davis	Assistant Professor	FDP on "Entrepreneurship by KITCO	01-12-2018 to 31-01-2019 (2 Weeks)
53	Mr.Ben Austin B Alapat	Assistant Professor	workshop entitled on Disaster management	16-01-2019 to 20-01-2019
54	Mr.Alan Mathew George	Assistant Professor	Workshop on " Innovations and Challenges in Microgrid"	14-01-2019 to 18-01-2019







55	Ms. Anitha P	Associate Professor	Workshop on " Innovations and Challenges in Microgrid"	14-01-2019 to 18-01-2019
56	Ms. Anna Baby	Assistant Professor	Workshop on " Innovations and Challenges in Microgrid"	14-01-2019 to 18-01-2019
57	Ms. Gayathri S Nair	Assistant Professor	Workshop on " Innovations and Challenges in Microgrid"	14-01-2019 to 18-01-2019
58	Ms. Gomathy S	Associate Professor	Workshop on " Innovations and Challenges in Microgrid"	14-01-2019 to 18-01-2019
59	Ms. Hima T	Assistant Professor	FDP on "School on systems and control"(SSC)	03-12-2018 to 08-12-2018
60	Dr. P Jeny Paul	Professor	Workshop on " Innovations and Challenges in Microgrid"	14-01-2019 to 18-01-2019
61	Ms. Nayana J	Assistant Professor	Workshop on " Innovations and Challenges in Microgrid"	14-01-2019 to 18-01-2019
62	Ms. Neethu. N M	Assistant Professor	Workshop on " Innovations and Challenges in Microgrid"	14-01-2019 to 18-01-2019
63	Ms. Priya Jose	Assistant Professor	Workshop on " Innovations and Challenges in Microgrid"	14-01-2019 to 18-01-2019
64	Ms. Rajalakshmy S	Senior Assistant Professor	FDP on " Artificial Intelligence and Machine learning"	14-12-2018 to 19-12-2018
65	Ms. Rajitha A R	Assistant Professor	FDP on "Robotics and IOT- A promise to modern Era"	16-07-2018 to 20-07-2018
66	Ms. Remya K P	Assistant Professor	Workshop on " Innovations and Challenges in Microgrid"	14-01-2019 to 18-01-2019





67	Ms.Ciby C Arjunan	Assistant Professor	Workshop on " Innovations and Challenges in Microgrid"	14-01-2019 to 18-01-2019
68	Mr. Sijo George	Assistant Professor	Workshop on " Innovations and Challenges in Microgrid"	14-01-2019 to 18-01-2019
69	Mr. Sreehari S	Assistant Professor	Workshop on " Innovations and Challenges in Microgrid"	14-01-2019 to 18-01-2019
70	Dr. Tonny George	Associate Professor	Workshop on " Innovations and Challenges in Microgrid"	14-01-2019 to 18-01-2019
71	Mrs. Pravitha K Nair	Assistant Professor	workshop on entitled " Disaster management"	16-01-2019 to 20-01-2019
72	Mrs. Dhanya R	Assistant Professor	workshop on entitled "Disaster management"	16-01-2019 to 20-01-2019
73	Mrs.Sruthi N L	Assistant Professor	workshop on entitled "Disaster management"	16-01-2019 to 20-01-2019
74	Mrs. Sajitha Saseendran	Assistant Professor	workshop on entitled "Disaster management"	16-01-2019 to 20-01-2019
75	Mrs. Leena C L	Assistant Professor	workshop on entitled "Disaster management"	16-01-2019 to 20-01-2019
76	Ms. Sreelakshmi T N	Assistant Professor	FDP on " Signal processing : from fundamentals to Challenges"	09-07-2018 to 13-07-2018
77	Ms. Hitha P S	Assistant Professor	FDP on " Artificial Intelligence and Machine Learning"	14-12-2018 to 19-12-2018
78	Ms. Jisha K R	Assistant Professor	FDP on " Signal processing : from fundamentals to Challenges"	09-07-2018 to 13-07-2018





79	Ms. Vinila M L	Assistant Professor	FDP on " Advanced techniques in Energy and Wastewater treatment"	02-07-2018 to 07-07-2018
80	Mr. Ranjeesh R Chandran	Assistant Professor	FDP on " Artificial Intelligence and Machine Learning"	14-12-2018 to 19-12-2018
81	Ms. Shabnum Suhara Shamsudeen	Assistant Professor	Workshop on entitled " Disaster management"	16-01-2019 to 20-01-2019
			Advanced training programme on " Remote sensing and GIS"	24-06-2019 to 29-06-2019
82	Ms. Akhila Vijayan	Assistant Professor	Short term Training programme on " Designing with Geosynthetics"	07-01-2019 to 11-01-2019
83	Ms. Anjali Gopinath	Assistant Professor	FDP on Industry 4.0 -Technological Advances and Implications	17-06-2019 to 21-06-2019
84	Ms. Anju George	Assistant Professor	FDP on Industry 4.0 -Technological Advances and Implications	17-06-2019 to 21-06-2019
85	Ms. Neetha K	Assistant Professor	FDP on Industry 4.0 -Technological Advances and Implications	17-06-2019 to 21-06-2019
86	Ms. Aswathy N	Assistant Professor	FDP on Industry 4.0 -Technological Advances and Implications	17-06-2019 to 21-06-2019
87	Ms. Akhila. K	Assistant Professor	NPTEL online certification in Technical English for Engineers	August 2018 (8week course)
88	Mr. Sreekanth Sharma P V	Assistant Professor	workshop on entitled "Disaster management"	16-01-2019 to 20-01-2019





89	Ms.Savithry K S	Assistant Professor	workshop on entitled "Disaster management"	16-01-2019 to 20-01-2019
90	Ms.Suja C K	Assistant Professor	NPTEL online Certification on "Descriptive Statistics with R Software"	01-02-2019 to 01-04-2019
91	Ms.Vinodini R	Senior Assistant Professor	Workshop on entitled " Disaster management"	16-01-2019 to 20-01-2019
92	Mr.Vishnu S	Assistant Professor	Workshop on entitled " Disaster management"	16-01-2019 to 20-01-2019
93	Mr.Karthik R N	Assistant Professor	NPTEL -AICTE ,FDP course on 'Heat Exchangers:Fundamentals and Design Analysis'	01-07-2018 to 01-10-2018
94	Mr.John Thomas A	Assistant Professor	FDP on "Entrepreneurship by KITCO	01-12-2018 to 01-01-2019
95	Mr.Sriram K V	Assistant Professor	NPTEL course on 'Joy of computing Using Python'	01-01-2019 to 01-04-2019
96	Dr.Deepa sankar	Associate Professor	NPTEL Course on Design of Photovoltaic Systems	01-07-2018 to 01-10-2018
97	Dr.Gangadevi T R	Associate Professor	workshop on entitled "Disaster management"	16-01-2019 to 20-01-2019
98	Ms.Remya Ramesh	Assistant Professor	FDP on Industry 4.0 -Technological Advances and Implications	17-06-2019 to 21-06-2019
99	Mr.Dileep K	Assistant Professor	NPTEL on "Control Systems"	01-07-2018 to 01-10-2018
			FDP on "School on sytems and control"(SSC)	03-12-2018 to 8-12-2018
100	Ms.Arya Devi P S	Associate Professor	NPTEL on Roadmap for patent creation	01-01-2019 to 01-03-2019
101	Ms.Jayalakshmi P K	Assistant Professor	FDP on Signal Processing from fundamentals to challenges	09-07-2018 to 13-07-2018
			FDP on Artificial Intelligence and Machine Learning	14-12-2018 to 19-12-2018

