



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

2022 – 2023



2022-2023

QUALITY INITIATIVES & ENRICHMENT ACTIVITIES

Major quality initiative activities undertaken to improve the quality of the institute during the academic year 2022 - 2023 are listed below.

NATIONAL AWARDS

- **BEST NSS UNIT**
- **BEST PROGRAM OFFICER**

Adi Shankara Trust Managing Trustee Sri. K. Anand and NSS Programme officer Prof. Sijo George received the two NSS National Awards from Hon'ble President of India Smt. Droupadi Murmu on September 24, 2022.



Accreditations

- **NBA Accreditation**
- The NBA expert team audited all the 4 accredited departments; CSE, ECE, EE & ME for the NBA compliance audit on 9th July 2022. **The accreditation was extended further for a period of 3 more academic years till 30.06.25**

(NBA ACCREDITATION STAUS 2022)



- CE dept. has applied for NBA Accreditation and the SAR was uploaded on 09/06/23. Fine tuning of the documentation and other preparatory works are going on in full swing.
- **NAAC ACCREDITATION**
Preparatory works for the NAAC Accreditation is going on.
- **ARIIA Ranking**
ASIET participated in the ARIIA Ranking 2022.

Academic and Administrative Audits

Internal audits on the academic activities were conducted as scheduled by IQAC were conducted on 26th to 27th Oct 2022 and from 24th to 26th May 2023.

Audits on the academic and administrative activities were conducted as scheduled by the affiliating APJ Abdul Kalam Technological University faculty members appointed by the university.

Research Initiatives

Conferences/Hackathons/FDPs

Two international conferences and a gameathon was organised last academic year.

International Conference - ACCESS '23

The 3rd International Conference on Advances in Computing, Communication, Embedded and Secure Systems ACCESS '23 was organised by Department of ECE, ASIET during May 18th – 20th, 2023. Published papers are available in IEEE Xplore: [ACCESS '23](#)

International Conference - ICSETS 2022

EEE Department had organized an International conference on “Sustainable Energy Technology Solutions For Future Demands” - ICSETS 2022; on 5th and 6th of August 2023. The conference was conducted in online mode zoom platform. Out of 47 papers received 27 papers were selected for presentation.



GAMEATHON

Adi Shankara Gameathon, an exciting event that brought together bright and innovative minds in game development was held from March 28th to March 30th 2023. With over 150 delegates from across India participating in the competition, the event showcased the best and most creative ideas in the gaming industry. The gameathon was organized in collaboration with Tiltlabs, an international product realization company



Academic Initiatives

Upgradation of Qualification of Faculty Members

Sl No	Name	Dept.	Program/Institute
1	Dr. Prameela B	ECE	Ph. D, Cochin University of Science and Technology, Kerala
2	Dr. Ganga Devi T R	BSH	Ph. D, M G University, Kottayam, Kerala
3	Dr. Vinila M L	RA	Ph. D, NIT Calicut, Kerala
4	Dr. Deepa Sankar	EEE	Ph. D, Cochin University of Science and Technology, Kerala
5	Dr. Sreena Sreekumar	EEE	Ph. D, APJ AKTU, Kerala
6	Ms.Neenet Baby Manjaly	MBA	M.COM, IGNOU



FDP/Training Programmes/Exhibition Organised

- **KTU Sponsored FDP - Artificial Intelligence and Machine Learning in Manufacturing**

APJ AKTU Sponsored FDP on 'Artificial Intelligence and Machine Learning in Manufacturing' was organised by Dept. of Mechanical Engineering, during 18th to 20th Jan 2023. Around 30 participants from various educational institutions under KTU attended the sessions.

- **KTU Sponsored FDP - ML and DL Applications in Computer Vision**

APJ AKTU Sponsored FDP on 'ML and DL Applications in Computer Vision' was organised by Dept. of Electronics and Communication Engineering, during 30th Dec 2022 to 03rd Jan 2023. Around 40 participants from various educational institutions under KTU attended the sessions.

- **FDP on AI Algorithms**

An FDP on AI Algorithms was organised by Dept. of Computer Science and Engineering on 14th Nov and 15th Nov 2022. Around 35 participants from neighbouring institutions and ASIET attended the program.

- **FDP on Antenna Design and Measurement**

An FDP on 'Antenna Design and Measurement' was organised by Dept. of Electronics and Communication Engineering, during 24th May & 25th May 2023. Around 30 participants from various educational institutions under KTU attended the sessions.

- **Other Quality Enrichment Programs for Faculty Members**

Sl. No	Activity	Duration	No of Participants
1	CNC Workshop for ASIET Faculties	1 day	25
2	Faculty Interaction with Industry experts from Apollo Tyres	1 day	21
3	Faculty Interaction with Dr. A P Sudheer, Professor of NIT Calicut	1 day	21
4	Faculty Interaction with Dr. Vinay V Panicker, Associate Professor from NIT Calicut.	1 day	21

- **ASPREN '23 – 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 23rd June 2023.



Apart from these major initiatives to ensure the quality of the teaching learning process executed in the academic year 2022-2023 is summarised in the following table.

Activity	Count
Number of full time teachers with NET/ SET/Ph. D	37
No of Staff Members deputed for Developmental/ Skill Upgradation Programs	96
No. of Research Papers published in the Journals notified on UGC CARE	30
No. of books and chapters published and papers in national/ international conference proceedings	16
MoUs Signed	7
Entrepreneurial and IPR Training Programs conducted	13
No of certificate /Value added programs Offered	30
Number of Students Enrolled in Certificate/Add-on/ Value added programs	1396



Ponnathur S. C.

IQAC, ASIET

IQAC

Adi Shankara Institute of Engineering & Technology
Vidya Sharathi Nagar Mattoor, Kalyadi- 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 **2022-2023**.

Sl No.	Name of the participant	Designation	Title of the FDP / professional development / administrative training program	Dates (from-to) (DD-MM-YYYY)
Teaching Staffs				
1	Dr. Bobby Mathews C	Professor	One week International FDP on Amazon Web Services	22-08-2022 to 27-08-2022
2	Mr.Sreekanth K S	Associate Professor	Five Days FDP on MATLAB and Simulink for Scientific Computing, circuit analysis and signal processing	29-08-2022 to 02-09-2022
3	Ms.Archana Aniyar	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
4	Ms.Aswathy N	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
5	Ms.Divya V Chandran	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
6	Ms.Neetha K	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
			Five Days FDP on Advances In Communication Engineering	06-03-2023 to 10-03-2023
7	Ms.Remya Ramesh	Assistant Professor	Five Days Workshop on Medical Image Understanding	27-02-2023 to 03-03-2023
8	Ms.Anju George	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
9	Ms.Savitha Raghavan	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
10	Ms.Arya Paul	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
11	Mr.Albins Paul	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
12	Mr.Prajeesh P A	Assistant Professor	One week International FDP on Advanced Research and Quality Publication	29-08-2022 to 02-09-2022
13	Dr.Ajay Kumar	Associate Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023





14	Mr.Jayesh T P	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
15	Mr.Prasanth P Menon	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
16	Mr.Sreerag M S	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
17	Ms.Jaimy James Poovely	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
18	Ms.Anjana S	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
19	Ms.Neethu Suman	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
20	Dr. Bipin P R	Associate Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
21	Ms.Neema M	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
22	Mr.Eldho Mathew	Assistant Professor	Five Days FDP on Nano materials: Developments Applications and Future Outlook	09-01-2023 to 13-01-2023
23	Dr. Arya Devi P.S	Associate Professor	Eight Week Course Programming Data Structures and Algorithms Using Python by NPTEL	01-07-2022 to 01-09-2022
24	Mr.Leo Francis	Assistant Professor	Five days Hands- onWorkshop on Advanced Multi-Criteria Decision Making Methods using MS Excel	15-10-2022 to 19-10-2022
25	Mr.Sandeep OS	Assistant Professor	One week Workshop on Advances in Welding and Additive Manufacturing	18-07-2022 to 24-07-2022
26	Mr.Vinay Varghese	Assistant Professor	Five Days FDP on Emerging Trends in Additive Manufacturing Technologies	30-01-2023 to 03-02-2023
27	Mr.Jithesh S R	Assistant Professor	Five Days FDP on Advanced Mateials Processing and Characterization Methods	26-12-2022 to 30-12-2022





28	Mr Rahul S Arackal	Assistant Professor	Five Dyas FDP on Nanotechnology	09-01-2023 to 13-01-2023
29	Dr.Nidhin Raj. A	Associate Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
30	Mr.Aneesh V	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
31	Mr.Arun P Das	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
32	Mr.Eldose K. Joy	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
33	Dr. Eldose K K	Associate Professor	Four weeks Course on Ourcome Based Pedagogic Principles for Effective Teaching by NPTEL	01-02-2023 to 01-03-2023
34	Ms.Arya C V	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
35	Ms.Nimmi Vijayan	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
36	Ms.Lakshmi.M.Hari	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
37	Ms.Winnie Ann Thomas	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
38	Ms. Akhila K	Assistant Professor	Two months Training program in Data Science with Python	17-12-2022 to 17-02-2023
39	Ms. Anna Baby	Assistant Professor	One week Workshop on SERB sponsored high-End workshop on Recent Trends in High Voltage Engineering & Insulation Diagnostics	18-07-2022 to 24-07-2022
			Si Days Short Term Traning Programme on 'Recent Advances in Energy" Science and Engineering'	24-04-2023 to 29-04-2023





40	Mr. Sijo George	Assistant Professor	Six Days FDP on Storage Technologies and Associated Control Techniques	12-12-2022 to 17-12-2022
41	Ms. Hima T	Assistant Professor	Five Days FDP on Research Trends and control of Robotic systems	21-11-2022 to 25-11-2022
			Six week Online training on MATLAB	05-11-2022 (42 days)
42	Ms. Ashna Mohan	Assistant Professor	Six Days FDP on Future Research and innovation Technologies	06-03-2023 to 11-03-2023
			One week International FDP on Advanced Research and Quality Publication	29-08-2022 to 02-09-2022
43	Dr. Deepa Sankar	Associate Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
44	Ms. Gomathy S	Associate Professor	Five Days FDP on Applications oriented design and control of Electric Motor Drives	16-01-2023 to 20-01-2023
46	Dr. Jeno Paul P	Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
47	Ms. Rajitha A R	Assistant Professor	Six Days Online FDP on Recent Developments in Nano Research and Nano Materials for Future Applications	20-03-2023 to 25-03-2023
48	Ms. Remya K P	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
49	Mr. Sreehari	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
50	Dr. Sreena Sreekumar	Associate Professor	One week Online FDP on Solar PV Systems and it's Applications	27-03-2023 to 01-04-2023
51	Ms. Jyothilekshmi R	Assistant Professor	Seven Days National Level FDP on Outcome Based Education	18-01-2023 to 25-01-2023
52	Ms. Shabnum Suhura	Assistant Professor	One week National Level FDP on Futuristic Research Scope in Civil Engineering	23-08-2022 to 27-08-2022
53	Ms. Reema Pius	Assistant Professor	Seven Days National Level FDP on Outcome Based Education	18-01-2023 to 25-01-2023
54	Ms. Harshananda T N	Assistant Professor	Eight weeks course on Instructional Planning and Delivery by NPTEL	01-07-2022 to 31-07-2022





55	Ms. Dona Joy	Assistant Professor	Seven Days National Level FDP on Outcome Based Education	18-01-2023 to 25-01-2023
56	Ms. Veena S Kumar	Assistant Professor	Five Days FDP On Applications of Artificial Intelligence in Civil Engineering	30-01-2023 to 03-02-2023
57	Ms. Rosmin Thomas	Assistant Professor	Five Days FDP On Applications of Artificial Intelligence in Civil Engineering	30-01-2023 to 03-02-2023
58	Ms. Anna Varghese	Assistant Professor	Five Days FDP On Applications of Artificial Intelligence in Civil Engineering	30-01-2023 to 03-02-2023
59	Ms.Clydin P A	Assistant Professor	Eight weeks course on Professional Ethics and Sustainability by NPTEL	01-07-2022 to 31-07-2022
60	Mr.Joseph George	Assistant professor	Five Days FDP on Advances in image processing applications	29-08-2022 to 02-09-2022
61	Ms.Shyama R	Assistant professor	Ten Days National Level FDP on Unleashing emerging Reaserch Trends and advancements in Computer Science	04-07-2022 to 14-07-2022
62	Ms.Anila S	Assistant professor	Ten Days National Level FDP on Unleashing emerging Reaserch Trends and advancements in Computer Science	04-07-2022 to 14-07-2022
63	Ms.Rose Mary Varghese	Assistant professor	Ten Days National Level FDP on Unleashing emerging Reaserch Trends and advancements in Computer Science	04-07-2022 to 14-07-2022
64	Ms.Rose Mary Varghese	Assistant professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
65	Dr. Sanaj M S	Associate professor	Five Days FDP on Project based learning	16-01-2023 to 20-01-2023
66	Ms.T Shoba	Assistant professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
67	Ms.Divya K S	Assistant professor	Five Days FDP on Medical image analysis using deep learning techniques	23-01-2023 to 28-01-2023
			Five Days FDP on Addressing open problems in medical domain through Artificial intelligence	30-01-2023 to 03-02-2023
68	Ms.Gripsy paul Mannickathan	Assistant professor	Five Days FDP on Addressing open problems in medical domain through Artificial intelligence	30-01-2023 to 03-02-2023





69	Ms.Neetha K Nataraj	Assistant professor	Five Days FDP on Addressing open problems in medical domain through Artificial intelligence	30-01-2023 to 03-02-2023
70	Ms.Raghi R Menon	Assistant professor	Five Days FDP on Addressing open problems in medical domain through Artificial intelligence	30-01-2023 to 03-02-2023
71	Mr.Suresh M S	Assistant professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
72	Ms.Teena George	Assistant professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
73	Mr.Nikhil Narayanan	Assistant professor	Five Days FDP on Project based learning	16-01-2023 to 20-01-2023
74	Mr. Prabhu	Assistant professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
75	Ms.Sreedevi R Krishnan	Assistant professor	Five Days National Level Online FDP on Intellectual Property Rights	22-05-2023 to 26-05-2023
76	Ms.Sabitha M G	Assistant professor	Eight weeks Course on Fundamentals of Information Security	21-01-2023 (8 weeks)
77	Ms.Simi M. S.	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
78	Ms.Vydhechi K	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
79	Ms.Savitha K.K.	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
80	Ms.Remya Raveendran	Assistant Professor	Seven Days National Level Online FDP on ChatGPT & AI Tools	14-06-2023 to 21-06-2023
81	Mr.Sredeep Krishnan	Associate Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
82	Mr.Ranjeesh R Chandran	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
83	Dr. Vinila M L	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023



84	Mr.Anju Mary Joseph	Assistant Professor	Five Days Comprehensive Training Programme on Pneumatics ,Electro Pneumatics,PLC,Hydraulics and Hydraulics	28-11-2022 to 02-12-2022
85	Dr. Sivaprasad P. V.	Associate Professor	Five Days FDP on Emerging Trends in Additive Manufacturing Technologies	30-01-2023 to 03-02-2023
86	Ms.Asha Rose Thomas	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
87	Ms.Rajalakshmy S	Senior Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
88	Ms.Anitha P	Associate Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
89	Dr. Subiramoniyam S	Associate Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
90	Mr.Ajith M S	Assistant Professor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
Non-Teaching Staffs				
91	Ms.Sangeetha M S	Lab Instructor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
92	Ms.Sreesubha Gopi	Lab-instructor	Twelve week course on Joy of computing using python by NPTEL	01-07-2022 to 31-10-2022
93	Ms.Deepa P B	Lab Instructor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
94	Ms.Vidya.V	Lab Instructor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
95	Mr.Syamsundar B	Lab Instructor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023
96	Ms.Sheeja.K.S	Lab Instructor	Five Days FDP on ML & DL Applications in computer vision	30-01-2023 to 03-02-2023

