



Adi Shankara

INSTITUTE OF ENGINEERING AND TECHNOLOGY

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

Annual Report 2019-2020

ADI SHANKARA
INSTITUTE OF
ENGINEERING & TECHNOLOGY

www.adishankara.ac.in
info@adishankara.ac.in



B.Tech Programs (CSE, ECE, EEE & ME)
Accredited till 30.06.2025
(Ref - F.No.26-56-2016-NBA,
Dt : 26/08/2022)

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Internal Quality Assurance Cell

About IQAC

The IQAC, stands for the Internal Quality Assurance Cell, which is a mechanism that exists within educational institutions, specifically higher education institutions. Its primary purpose is to ensure and improve the quality of education and overall functioning of the institution. IQACs are typically established based on guidelines provided by quality assurance bodies such as the National Assessment and Accreditation Council (NAAC) in India. At Adi Shankara Institute of Engineering & Technology (ASIET), the IQAC has been operating since 2018. It operates in close coordination with administrative heads and plays a pivotal role in coordinating activities related to quality assurance. Additionally, it facilitates institutional planning and development, as well as the dissemination of information regarding quality aspects.

Vision

- To develop a self-sustained and consistent system of practices in the institution assuring the quality of higher education through continued assessments and improvements

Mission

- To manage and lead the activities pertaining to academic as well as administrative domains of the institution towards achieving academic Excellence.
- To serve as a catalyst for quality improvement by developing intervention strategies to address shortcomings and enhance overall quality.

Objectives of IQAC

- Promoting pedagogical innovation and encouraging innovative teaching practices among the staff through staff development initiatives.
- Encouraging the use of e-resources and Learning Management Systems (LMS) for teaching and learning purposes.
- Conducting Academic and Administrative Audits (AAA) to ensure the effective functioning of the institution.
- Participating in surveys and assessments conducted by organizations like NIRF, NAAC, NBA for accreditation and rankings.
- Engaging in the international accreditation process to enhance global recognition and standards.
- Monitoring student progress and implementing a mentoring system for their academic and personal development.
- Organizing relevant seminars, workshops, industrial visits, and educational trips for students.
- Strengthening the Career Guidance and Placement Cell to enhance student's employability.



- Encouraging students to excel in various sports events and promoting a culture of physical fitness.
- Motivating faculty members to publish journals of international standards and adhere to UGC guidelines.
- Implementing feedback systems to gather input on faculty, curriculum, institutional performance, library facilities, and hostel facilities.
- Gathering feedback from parents, alumni, and employers to improve overall institutional functioning.
- Organizing annual Parents-Teachers Meetings to facilitate communication and collaboration.
- Engaging students in constructive and sensitive community services.
- Instilling a sense of social responsibility among students, teaching, and non-teaching members by extending help to marginalized communities through outreach activities.
- Sensitizing students towards national causes and nurturing their civic consciousness.
- Developing linkages and facilitating collaborations with national and global universities, institutions, industry and research organizations to promote research and academic collaborations.
- Organizing industry-academia meets to foster a holistic growth of academics through industry interactions.
- Facilitating the expansion of revenue sources through consultancy services.
- Assisting faculty members in applying to different state and central funding agencies for research projects.

The Members of IQAC

The members of IQAC

Dr. Suresh Kumar V, Principal	Ex-officio chairman
Prof. R Rajaram	Dean (P & C)
Prof. Deepika M P	IQAC Head
Prof. Vinila M L.	AEI
Prof. Jayasree T G.	BSH
Prof. Chithra C J	CE
Prof. Divya K S,	CSE
Prof. Simi M S	CSE
Prof. Divya V Chandran	ECE
Prof. Prameela	ECE
Prof. Nayana J	EEE
Prof. Eldho Mathew	ME
Prof. Vishnu	ME



ACADEMIC AFFAIRS

PROGRAMS OFFERED

Programme name	Programme Code	Number of seats sanctioned
B.Tech COMPUTER SCIENCE ENGINEERING	CSE	120
B.Tech CIVIL ENGINEERING	CE	60
B.Tech ELECTRONICS AND COMMUNICATION ENGINEERING	ECE	120
B.Tech ELECTRICAL AND ELECTRONICS	EEE	60
B.Tech MECHANICAL ENGINEERING	ME	120
M.Tech COMMUNICATION ENGINEERING	ECE	24
M.Tech VLSI AND EMBEDDED SYSTEMS	ECE	24
M.Tech POWER ELECTRONICS AND POWER SYSTEMS	EEE	24
M.Tech COMPUTER SCIENCE ENGINEERING	CSE	24
MBA	MBA	120

S8 RESULT (2019 Passout batch)

Sl No	Dept.	No. of Students Registered for Final Semester Examination	No. of Students Passed Final Semester Examination	Pass Percentage
1	AE&I	17	13	76.47
2	CE	66	62	95.38
3	CSE	57	52	91.23
4	ECE	82	73	89.02
5	EEE	41	36	87.8
6	IT	23	19	82.61
7	ME	123	105	85.37



8	MBA	83	75	90.36
9	CSE-M.Tech	0	0	0
10	VLSI-M.Tech	0	0	0
11	CE-M.Tech	4	4	100
12	PEPS-M.Tech	5	5	100

RESEARCH & INNOVATION

A. List Of Funds Received

Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during 2019-2020 (INR in Lakhs)

Academic Year	2019-20
Number	22
INR in Lakhs	14.40

List of grants received from Government and non-governmental agencies for research projects, endowments in the institution during the 2019-20 are given below

Sl No	Name of the research project/ endowment	Name of the Principal Investigator /Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government /non-Government)
1	Smart Cooking Stove Patent Documentation service.	Prof. Ajay Basil Varghese, Dr. Vince Paul	CSE	2019-20	0.06000	1 month	Machbee	Non-Government
2	Charity Monk Web app development	Prof. Ajay Basil Varghese, Dr. Manish T. I, Prof. Sobha T.	CSE	2019-20	0.10000	2 months	PenserLabs	Non-Government



3	Consultancy service for the R&D of Fully automatic STP controller	Prof. Ajay Basil Varghese, Prof. R. Rajaram, Prof. Deepika M. P.	CSE	2019-20	0.54000	5 month	ICube Design Studio	Non-Government
4	Consultancy service for the R&D of a live temperature monitoring system and its cloud services	Prof. Ajay Basil Varghese, Dr. Vince Paul, Prof. Simi M. S.	CSE	2019-20	0.24000	2 months	RIOD Logic	Non-Government
5	Consultancy service for the R&D of fully automatic AMF panel for generator(control board)	Prof. Ajay Basil Varghese, Dr. Vince Paul, Prof. Gokilavani M.	CSE	2019-20	0.36000	6 months	ICube Design Studio	Non-Government
6	Consultancy service for the R&D of Mini Lift Machine	Prof. Ajay Basil Varghese, Prof. Sumesh M. S, Prof. Ramesh R.	CSE	2019-20	0.18000	2 months	ICube Design Studio	Non-Government
7	Consultancy service for the development of News Vision notification service	Prof. Ajay Basil Varghese, Prof. Neetha K. Nataraj, Prof. Raghi R. Menon	CSE	2019-20	0.10000	1 month	PenserLabs	Non-Government
8	Consultancy service for the development of Smart Cooking Stove	Prof. Ajay Basil Varghese, Prof. R Rajaram, Prof. Deepika M. P	CSE	2019-20	0.10000	5 months	MachBee	Non-Government
9	Consultancy service for the R&D of fully automatic paper bag cutting machine using PIC micro Controller	Prof. Ajay Basil Varghese, Dr. Vince Paul, Prof. Divya K. S.	CSE	2019-20	0.90000	1 year	ICube Design Studio	Non-Government
10	Zero discharge sea water to drinking	Dr. P. Jeno Paul	EEE	2019-20	0.15000	3 months	Malayala Manorama	Non-Government
11	Isolation enhancement in multi antenna systems used for 5G systems using metamaterials	Prof. Sreerag M	ECE	2019-20	1.92000	3 Years	APJ AKTU-CERD (Research Seed Money Scheme)	Government
12	Implementation of a deep learning based waste segregation	Prof. Anuroop K B	ECE	2019-20	1.84500	3 Years	APJ AKTU-CERD (Research Seed Money Scheme)	Government



	system using Computer vision and Robotics							
13	Development of a smart portable IoT device for better diagnosis and control of asthma and COPD	Prof. Arya Paul	ECE	2019-20	1.68662	3 Years	APJ AKTU-CERD (Research Seed Money Scheme)	Government
14	Idea Grant (PYXIS)	Prof. Anuroop K B	ECE	2019-20	0.75000	1 Year	kerala Startup Mission	Government
15	IoT based smart inhaler	Prof. Arya Paul, Prof. Divya V Chandran	ECE	2019-20	0.30000	1 Year	Institution of Engineers (India) (Student Project)	Non-Government
16	IoT based plant monitoring systems	Prof. Ajay kumar	ECE	2019-20	0.15000	1 Year	Institution of Engineers (India) (Student Project)	Non-Government
17	Doily	Prof. Divya V Chandran, Prof. Arya Paul	ECE	2019-20	0.26000	1 Year	APJ AKTU-CERD (Student Project Scheme)	Government
18	National Technology day celebrations	Prof. Remya Ramesh	ECE	2019-20	0.20000	1 day	KSCSTE	Government
19	Needleless Drug Injector	Dr. Kiran Joy Irimpan	ME	2019-20	1.31000	2 year	CERD (KTU)	Government
20	Innovation and Entrepreneurship Activity Fund	Prof. Ajay Basil Varghese	CSE	2019-20	2.00000	1 year	Kerala Startup Mission	Government
21	Idea Grant (D Glass)	Prof. Ajay Basil	CSE	2019-20	0.50000	1	Kerala Startup Mission	Government
22	Idea Grant(kane Fresh)	Prof. Ranjesh	AE&I	2019-20	0.75000	1	Kerala Startup Mission	Government



B. Publications

Research papers published in the Journals notified on UGC website are listed below

Sl No.	Title of Article	Name of Faculty Member	Dept.	Journal
1	Survey on Load Balancing & Future Research Avenues in Routing Protocol for Low Power Lossy Networks in IoT Networks	Ajay Kumar, Dr.N Hariharan	ECE	IJAST
2	A Compact Microstrip Quadband Bandpass Filter using Six Mode Resonator and a Hairpin Resonator	Dr. N. Hariharan, Dr. Ragesh G K, Er. Ajay Kumar	ECE	IJAST
3	Area Optimized Low Noise Amplifier for Narrowband Receiver Applications	P.K.Sisira, N.Aswathy, B. Prameela, Anju George	ECE	INTERNATIONAL JOURNAL OF MICROWAVE AND OPTICAL TECHNOLOGY
4	Ternary Content Addressable Memory	P.K.Sisira, N.Aswathy, B. Prameela, Anju George	ECE	IJEAT
5	ADMS-Automatic Diabetic Management System	Amala Benny, Neethu Suman	ECE	IJEAT
6	Comparative study of LBPH and Haar features in Real time recognition under varying light intensities	Akas G Kamal,Dennies Rocky, Aajin Roy, Anujith S, Eldho K Paul	ECE	IJEAT
7	Multi Terrain Surveillance Drone.	Rohit N Nair, Prasanth P Menon, Roy Baiju, Sreelakshmi L S, V Kavyalakshmi	ECE	IJEAT
8	A Compact Microstrip Quad Band Bandpass Filter using Six Mode Resonator and a Hairpin Resonator	Dr.Ragesh G,K,Ajay Kumar, Dr.N Hariharan	ECE	International Journal of Advanced Science and Technology
9	Chlad Apock-Iot Based Security Lock Safety at Your Hands	Aiswarya Laskhmi T, Prajcesh P A, Adithya Sukumaran, Aswathy PA, Athira K K	ECE	IJEAT
10	Modified Anpr using Neural Networks	Shahala Shanavas, Sneha Raju, Sreeganesh S., Sreejil B.Nair, Albins Paul	ECE	IJEAT
11	DCRL-RPL: Dual Context based Routing and Load Balancing in RPL for IoT Networks	Ajay Kumar, Dr.N Hariharan	ECE	IET COMMUNICATIONS
12	Super-Resolution Based Automatic Diagnosis of Retinal Disease for Clinical Applications	Dr. Bipin P. R.	ECE	Neural Processing Letters

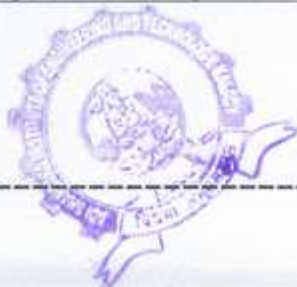


13	Survey on Load Balancing & Future Research Avenues in Routing Protocol for Low Power Lossy Networks in IoT Networks	Ajay Kumar, Dr.N Hariharan	ECE	International Journal of Advanced Science and Technology
14	Customer attitude and satisfaction towards investment in life insurance with special reference to Ernakulum city”	Ganga Devi T R	BSH	Zeichen journal
15	Socio-economic& demographic determinants that motivating to purchase health insurance with special reference to IT professionals in Kerala” & Development(IJRD)	Ganga Devi T R	BSH	EPRA International journal of Research && Development(IJRD)
16	Disease prediction based on micro array classification using deep learning techniques	Dr.Suresh Kumar V	CSE	<u>ELSEVIER</u>
17	Design and analysis of novel Quasi Z Source based Asymmetric Multilevel Inverter for PV applications	Deepa Sankar	EEE	International Journal of power electronics and drive systems (IJPEDS)
18	Comparative Study of Two Queuing Inventory Models with Buffer, Retrials and Different Service Rates	Dr. Rejitha K R	BSH	AIP Conference Proceedings
19	Skin friction estimation on a surface under shock-boundary layer interaction	Maitri Kshetrimayum, Kiran Joy Irimpan, Viren Menezes	ME	Sādhanā

C. Other Publications

Books and chapters in edited volumes/books published and articles published in national/ international conference proceedings during 2018-19 are listed below

Sl. No.	Name Of Faculty Member	Title Of Article	Name Of The Conference	National / International/Book
1	P V Aparna, Kesiya Elizabeth, , N Bhagya, P A Abdul Majeed, , Bhaskar and	Bitublock	3rd National Conference on Structural Engineering and Construction Management, SECON	National
2	Aaron Rodrigues, V. Gopika, Anupriya Saji, Safina Salam, A. A. Abishek Kumar	Load Settlement Behavior of Ceramic Columns	3rd National Conference on Structural Engineering and Construction Management, SECON	National
3	Akhila Vijayan, Amala Stephen, Anupriya B., Anamika P. A. and R. Urmila Raghava Panicker	Study on strength characteristics of dredged marine soil treated with alkali activated incinerator bottom ash	National Conference on Innovative Practices in Civil Engineering	National



4	Afra A R, Anceta Mathew, Anuja E V, Maneesh Sathyan M, Gisha George	Behavior of RC Beams Using GFRP and SMA Bars in Critical Regions	National Conference on Innovative Practices in Civil Engineering	National
5	P V Aparna, Kesiya Elizabeth Samuel, N Bhagya, P A Abdul Majeed & Chithra C J	Bitablock- A Sustainable Building Block	National Conference on structural engineering and construction management	National
6	Arshad Ameen A.A, K.M Muhammed Ameen, Malavika K.V, Megha Manchakkal, Anjali Ann Johnson	Flood Mapping of Kalady using GIS	National Conference on Innovative Practices in Civil Engineering	National
7	Shana Nazrin A.S, Aparna K.V, Rithin Varghese, Anand C Nair, Aneesh P.C	Proposal For an Efficient Stormwater Management Over Road Pavements	National Conference on Innovative Practices in Civil Engineering	National
8	Grace Mary Joy , Sibin K, Vishnu, Seena Mani	Strength characteristics of concrete with fine aggregate partially replaced by marble dust	National Conference on Innovative Practices in Civil Engineering	National
9	Amana Nezzin K A, Rahul A J, Sruthy Krishna P, Thansi M S, Jyothi Lekshmi R	Effect of Municipal Solid Waste Incinerator Bottom Ash and Rice Husk Ash on Building Blocks	National Conference on Innovative Practices in Civil Engineering	National
10	Ierin Babu	"Envisaging the Academic Performance of Students"	(ICCCIS)	International
11	Ierin Babu	"Envisaging the Academic Performance of Students"	(ICCCIS-2019)	International
12	Ramesh R	"Leveraging Big Data Analytics Frameworks for Computational Epidemiology"	Intellisig-2019	International
13	jenopaul, Anna Baby	Battery Charger for Electric Vehicles with modified Power Factor Corrected Bridgeless Converter	Second International conference on Intelligent Computing, Instrumentation and Control Technologies	International
14	Ms. Athira S V, Ajay Kumar	A Survey on Routing Protocol for Low-Power Lossy Network (RPL) in IoT	Global Research and Development Journal for Engineering National Conference on Emerging Research Trend in Electrical and Electronics Engineering	National
15	Gayathri A, Aparna Menon, Amitha Jiju, Divya V Chandran.	Fruit Detection and Sorting based on Machine Learning	Global Research and Development Journal for Engineering National Conference on Emerging Research Trend in Electrical and Electronics Engineering	National
16	Jesslin George Koottala, Neethu Suman	Recent Proposals on Photonic Generation of Millimeter wave in MMW-RoF Communication Networks: A survey	Global Research and Development Journal for Engineering National Conference on Emerging Research Trend in Electrical and Electronics Engineering	National
17	Jophin George, Sreelakshmi Menon, Sreenivas. S. Pai, Vishmol Babu, Remya Ramesh	Noise Interjector for Piracy Avoidance	2nd International Conference on Emerging Trends on Engineering Science, Technology and Management – 19	International
18	Prajeesh P A, Aiswarya Venugopal , Anjana M R , Ashna Hasif , Delna Varghese	Speech Enhancement using DUET & Weiner Filter Technique	Global Research and Development Journal for Engineering National Conference on Emerging Research Trend in Electrical and Electronics Engineering	National



19	Khadeeja Sherbin, Sindhu V	Cognitive Radio Architecture: A Survey	Global Research and Development Journal for Engineering National Conference on Emerging Research Trend in Electrical and Electronics Engineering	National
20	Kailas Narayanan A. S, Parvana Darly, Aparna P M	Smart Incinerator	Global Research and Development Journal for Engineering National Conference on Emerging Research Trend in Electrical and Electronics Engineering	National
21	Neetha K, Haritha Haridas, Hena H	IoT based Smart Aquaculture	Global Research and Development Journal for Engineering National Conference on Emerging Research Trend in Electrical and Electronics Engineering	National
22	Lakshmi Priya Sunil, Sneha Mohan, Sruthi Santhosh, Sreema S K, Anju Mary Joseph	IoT based Dynamic Distributed Energy Management System	Global Research and Development Journal for Engineering National Conference on Emerging Research Trend in Electrical and Electronics Engineering	National
23	Dr.VINCE PAUL	NA	NA	Book
24	Dr.VINCE PAUL	NA	NA	Book
25	Prof.Ramesh R	Chapter-31 Titled "Leveraging Big Data Analytics Frameworks for Computational Epidemiology"	NA	Book
26	Neema M	Multiple eye disease detection using Deep Neural Network,	IEEE Region 10 International Conference TENCON	International
27	Arya Paul	Sensor based Waste segregation	National Conference on Recent Trends in VLSI, Communication and Networks 2018 (RTVCN2K18)	National
28	Ajay Kumar, Dr.N Hariharan	Enhanced Mobility Based Content Centric Routing In RPL for Low Power Lossy Networks in Internet of Vehicles	International Conference on Intelligent Autonomous Systems (ICoIAS)	International
29	Dr. N Hariharan,	Classification of Fundus Images Using Neural Network Approach	NA	International
30	Rajalakshmi Menon; S Gomathy; K J Lakshmi Priya	Analysis of Boost Converters for PV and Wind in a Hybrid Microgrid	ICCES	International
31	Ms.Sindhu.V	Architecture of Cognitive Radio Network:A survey	National Conference on Emerging Research Trend in Electrical and Electronics Engineering (ERTE'19)	National
32	sindhu v	Cyclostationary Feature Detection for Spectrum Sensing in Cognitive Radio Network	2019 International Conference on Intelligent Computing and Control Systems (ICCS)	international
33	Vinila ML, Sreepriya S	Optimization of Parametric Model of Cumene Reactor Using Loop Shaping Methodology and Dynamic Modeling of Reactor	International Conference on Intelligent Computing, Information and Control Systems	International
34	Sreepriya S,Vinila ML	Evolutionary Algorithm Based Robust Fixed Structure Controller for pH in Sodium Chlorate Process	International Conference on Intelligent Computing, Information and Control Systems	International



D. Entrepreneurial and IPR Training Programs Organised

Workshops/seminars/Conference including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during 2019-20 is listed below.

Year	Name of the workshop/ seminar/ conference
2019-2020	Kick Start 2019 - Orientation program for 1st year students
2019-2020	Entrepreneur Talk show 2019
2019-2020	2 days Workshop on Ideation and Lateral Thinking
2019-2020	Ideation talk for 1st years students-entrepreneurship
2019-2020	Talk on Startups and Fablab by Gokul Krishnan & Deepu Ajay, Alumni,ECE dept, ASIET (2015-2019) for entrepreneurship
2019-2020	IEDC BOOT CAMP for entrepreneurship
2019-2020	Talk on "The art of entrepreneurship: turning dreams into ideas" by Mr. Arjun R Pillai, Founder and CEO, Insent.ai, USA
2019-2020	A session on "Technology, Innovation and Entrepreneurship" by EEE dept Adi Shankara Institute Of Engineering & Technology
2019-2020	Hack camp -hack club original hackathon

E. List of MOUs Signed

SI No.	Industry/Organization Name	ASIET/Dept.
1	NIT Trichy and SIEMENS center of excellence	CS,ME,EE,EC
2	International Centre for Free and Open Source Software (ICFOSS)	CS



PROFESSIONAL BODIES/CELL /CLUBS'/ NSS ACTIVITIES

IEEE

SI NO	EVENT	DURATION
1	Introduction to Deep Learning	25/07/19 - 26/07/19
2	CODATHON	22/08/19 - 25/08/19
3	IZITA 2.0 RELOADED	19/09/19 - 22/09/19
4	BODHI – ENLIGHTENMENT PROGRAM	05/10/19
5	IEEE DAY PES QUIZ	10/10/19
6	IoT Workshop	12/10/19
7	IEEEXTREME 13.0	19/10/19
8	Tell us a Story	04/11/19
9	LaTeX Workshop	04/11/19
10	Project R	05/11/19
11	Talk on Bioinformatics	18/11/19

IEI

SI No	Activity	Date
1	PROJECT EXPO & COMPETITION-AAVISHKAR2K19	3 rd and 4 th May 2019
2	LSSUW - Lab Staff Skill Upgradation Workshop	25-6-2019-27-6-2019
3	Hands on workshop on Network simulation using NS2	23/8/2019-24/08/2019
4	Workshop on Cyber Security facts and tools	12/10/2019
5	WORKSHOP ON DEBUGGING AND CODING USING C	6-2-2020 TO 7-2-2020, 11-2-2020 TO 12-2-2020

IEDC

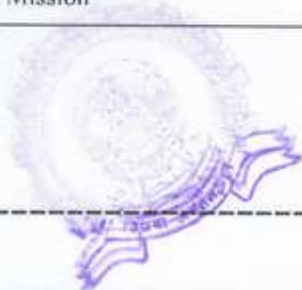
EVENT	Date conducted
UDDYOTANA 2019	10/06/2019



Kick Start 2019 - Orientation program for 1st year students	23/07/2019
Entrepreneur Talk show 2019	19/8/2019
2 days Workshop on Ideation and Lateral Thinking	11/11/2019 to 12/11/2019
Startup i3	2/8/2019
IEDC ORIENTATION PROGRAM	30/8/2019

NSS

EVENT	Date conducted
Rapid Respose team State level Training	20/7/2019 & 21/7/2019
3 day Nature Camp	From 12-07-2019 To 14-07-2019
Kaithang-Material collection campaign and Distribution to the flood affected areas of Malappuram District.	From 11-08-2019 To 14-08-2019
Cleaning activity -After Flood at Athani	16-08-2019
One Student - One Book Collection campaign	19-08-2019
Shramadhan At Kottamam And Kalady	26-08-2019
Dress Collection campaign	16-09-2019
Ozone Day Celebration – Umbrella for Earth	16-09-2019
Orientation program and group dynamics	21-09-2019
NSS Golden Jubilee day Celebration	24-09-2019
Gandhi Jayanthi Observation	1-02-2020 & 2-10-2019
Blood Donation Camp	29-10-2019
Anti-Plastic Campaign	03-11-2019
Life style disease detection camp	15-11-2019
Medical Camp - Eye Testing and General Medicine	16-11-2019
Heart Beats - MEGA CPR training program in association with IMA	16-11-2019
Volunteering Rotary Olympics for special education students	14-12-2019
Road Safety week: Sign Board Cleaning From Kalady To Angamaly Traffic awareness class	17-01-2020 and 18-01-2020
FIT India Program -FIT India Rally & YOGA Training	17-01-2020 & 18-01-2020
Clean Kalady Mission	25-01-2020



Swachatha Hi Seva -cleanliness drive at Marine drive Cochi	26-01-2020
Tree Identification with Data QR Codex	11-01-2020
Blood Donation Camp	19-02-2020
Bike rally Against drug in association with Vimukthi Mission	25-2-2020
Bike rally Against drug in association with Vimukthi Mission	18-3-2020 & 19-3-2020
Paper bag making training at st joseph church Vellarappilly	16-3-2020

STUDENT SUPPORT & PROGRESSION

PLACEMENT

Branch Name	No. Of Students Placed
CS	47
EC	41
EEE	21
IT	10
ME	48

ADD ON COURSES

Number of students enrolled in subject related Certificate/Add-on/Value added programs: 1560

Name of Add on / Certificate programs offered by each departments	Number of Students completing the course in the year
Engineering foundation programme	399
Training on Problem solving skills	327
Training on AutoCAD, AutoCAD Electrical, Revit MEP with Auto Desk Certification	30
Hands-on Workshop on 'IoT'	41
Solar Energy Training Program	14
Introduction to Photonics	10
Introduction to IoT	25
Joy of computing Using Python	1
Digital Circuits	2



Python for Data Science	6
Basics Electrical Circuits	1
Introduction to industry 4. 0 and Industrial IoT	33
Soft skill development	4
Computer Networks and Internet Protocol	4
Principals of Signals and Systems	2
Signals and Systems	15
Aircraft Maintenance	1
Enhancing Softskills and Personality	1
Problem Solving Through programming In C	14
Android and iOS application development using flutter system	84
Training Course Covering Industrial Automation	17
Training on DCS and PLC Over view	33
Workshop on Instrumentation	29
Google ACE	75
Engine Assembly Workshop	28
BMW Skill Next	12
Concepts of Thermodynamics - Online	1
Ecology and Environment - Online	1
Inspection and Quality Control in Manufacturing	1
Introduction to Machine Learning-IIT Kharagpur	1
Manufacturing Automation	3
Manufacturing Process Technology I & II	1
Refrigeration and Air-conditioning	4
Primavera Project Management	178
AutoCAD	52
Body Language : Key to Professional Success	1
Concrete Technology	2
Design of Reinforced Structures	1
Developing Soft Skills and Personality	2
Fluid Mechanics	3
Geotechnical Engineering Laboratory	1
PG Diploma in Business Analytics	100

Students Qualified in State/ National/ International Level Examinations

Number of students qualified in state/ national/ international level examinations (JAM / CLAT / NET / SLET / GATE / GMAT / CAT / GRE / TOEFL / Civil Services / State government examinations) during 2019-2020: 23

Sl. no.	Year	Names of students selected/ qualified				
		NET	GATE	GRE	IELTS	Other examinations conducted by the State / Central Government Agencies (Specify)
1	2019-2020	0	3	0	18	2



BEYOND THE CAMPUS ENVIRONMENTAL ACTIVITIES 2019-2020

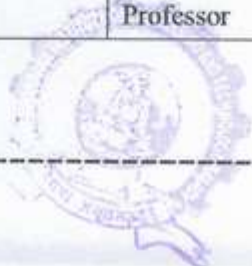
Activity	Date
Nature Camp	From 12/07/2019 To 14/07/2019
Pond Renovation	2/10/2019
Anti-Plastic Campaign at Karukutty	3/11/2019
Green protocol Implementation- at Kanjoor Church	From 19/1/2020 to 27/1/2020
Clean Kalady Mission	25/1/2020
Swachatha Hi Seva -cleanliness drive at Marine drive Cochi	26/1/2020
Paper bag making training at st joseph church Vellarappilly	16/3/2020
Environment day observation	5/6/2020

E-Governance

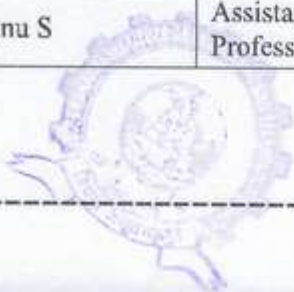
- Linways -ERP software :
- For digital fee payments, admission and for tracking of application status.
- student administration and leaning management-online attendance, online examinations, access to learning resources, progress reports, feedbacks, result analysis
- Tally software : For finance and accounts section
- Paysoft: For tracking faculty attendance, biometric details, leaves and payslips.
- KOHA: For library management.
- CCTV is installed all over the campus for continuous monitoring.
- Adi Shankara email domain: for all official communications.

QUALITY ENRICHMENT ACTIVITIES

Name of the participant	Designation	Title of the FDP / professional development / administrative training program	Dates (from-to) (DD-MM-YYYY)
Ms. Harshananda T N	Assistant Professor	Online FDP on Outcome based Learning Approach in Higher Education	23-04-2020 to 30-04-2020
		One week Online call Faculty development programme on Open FOAM	01-06-2020 to 05-06-2020
Aneesh P C	Hod & Assistant Professor	Emerging Trends in Sustainable Developments in Transportation Engineering	23-09-2019 to 27-09-2019
Dr. MANISH T.I.	Professor	ATAL FDP on "Blockchain"	09-12-2020 to 13-12-2020
ASHA ROSE THOMAS	Assistant Professor	STTP on "Recent Trends in Applications of Machine Learning and Deep Learning in IT"	25-05-2020 to 29-05-2020
DIVYA G.	Assistant Professor	FDP on "Internet of Things"	15-04-2020 to 19-04-2020



		FDP on "Linux Applications in in Engineering Education"	27-04-2020 to 01-05-2020
		FDP on "Internet of Things(IoT)"	07-05-2020 to 11-05-2020
GOKILAVANI M	Assistant Professor	ATAL FDP on "Blockchain"	09-12-2019 to 13-12-2019
GRIPSY PAUL MANNICKATHAN	Assistant Professor	ATAL FDP on "Blockchain"	09-12-2020 to 13-12-2020
JAIN STOBLE B.	Assistant Professor	ATAL FDP on "Blockchain"	09-12-2019 to 13-12-2019
		FDP on "Information and Network Security Challenges"	01-07-2019 to 05-07-2019
JOSEPH GEORGE	Assistant Professor	FDP on "Data Science & Deep Learning"	15-07-2019 to 26-07-2019
NEETHA K. NATARAJ	Assistant Professor	FDP on "Information and Network Security Challenges"	01-07-2019 to 05-07-2019
		FDP on " Big Data Analytics"	18-05-2020 to 22-05-2020
RAGHI R. MENON	Assistant Professor	FDP on "Information and Network Security Challenges"	01-07-2019 to 05-07-2019
RAMESH R	Assistant Professor	FDP on "Linux Applications in in Engineering Education"	27-04-2020 to 01-05-2020
		FDP on "Internet of Things"	15-04-2020 to 19-04-2020
		ATAL FDP on "Blockchain"	09-12-2019 to 13-12-2019
ROSEMARY VARGHESE	Assistant Professor	ATAL FDP on "Blockchain"	09-12-2019 to 13-12-2019
		FDP on "Information and Network Security Challenges"	01-07-2019 to 05-07-2019
		FDP on "Linux Applications in in Engineering Education"	27-04-2020 to 01-05-2020
SAMEERA K. M.	Assistant Professor	FDP on "Information and Network Security Challenges"	01-07-2019 to 05-07-2019
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
SREERESMI T.S.	Assistant Professor	FDP on " Big Data Analytics"	18-05-2020 to 22-05-2020
SUMESH M. S.	Assistant Professor	ATAL FDP on "Blockchain"	09-12-2019 to 13-12-2019
TEENA GEORGE	Assistant Professor	FDP on "Information and Network Security Challenges"	01-07-2019 to 05-07-2019
		Online Training On "Android Apps Development"	04-05-2020 to 10-05-2020
Chinnu S	Assistant Professor	MATLAB based Teaching learning in mathematics, science & Engineering	18-05-2020 to 22-05-2020



Jaimy James	Assistant Professor	FDP on Data Science	30-04-2020 to 04-05-2020
Sreerag M	Assistant Professor	FDP on innovative design and product development	08-07-2019 to 12-07-2019
Anjana S	Assistant Professor	Recent trends and applications of ML and DL in IT	25-05-2020 to 29-05-2020
Aswathy N	Assistant Professor	FDP on AI	24-04-2020 to 28-04-2020
Prasanth P Menon	Assistant Professor	FDP on innovative design and product development	08-07-2019 to 12-07-2019
Bipin P R	Associate Professor	AI & it's applications	11-05-2020 to 15-05-2020
		Recent trends and applications of ML and DL in IT	25-05-2020 to 29-05-2020
Arya Paul	Assistant Professor	Recent trends and applications of ML and DL in IT	25-05-2020 to 29-05-2020
Anjali Gopinath	Assistant Professor	Recent trends and applications of ML and DL in IT	25-05-2020 to 29-05-2020
Anju George	Assistant Professor	FDP on Cyber security	14-05-2020 to 18-05-2020
Neetha K	Assistant Professor	Recent trends and applications of ML and DL in IT	25-05-2020 to 29-05-2020
Divya V Chandran	Assistant Professor	Recent trends and applications of ML and DL in IT	25-05-2020 to 29-05-2020
Savitha Raghavan	Assistant Professor	Recent trends and applications of ML and DL in IT	25-05-2020 to 29-05-2020
Prajeesh P A	Assistant Professor	FDP on innovative design and product development	08-07-2019 to 12-07-2019
Dr.Rajesh Cherian	Professor	Summer school on speech signal processing	06-07-2019 to 10-07-2019
Ms. Akhila K	Assistant Professor	ATAL FDP on Block Chain	09-12-2019 to 13-12-2019
Alan Mathew	Assistant Professor	TEQUIP :III Electric vehicles - scope challenges and development	03-01-2022 to 10-01-2020
Ms. Anitha P	Associate Professor	Advances in Electric Vehicles Technology	08-07-2019 to 12-07-2019
Ms. Anna Baby	Assistant Professor	AICTE Training And Learning (ATAL) Academy FDP on "Blockchain"	09-12-2019 to 13-12-2019
Ms. Hima T	Assistant Professor	Electric Vehicles: Exploring Inside The Box	08-06-2020 to 12-06-2020
Dr. Jenopaul P.	Professor	FDP on " Scope of Artificial Intelligence and Machine Learning in Automation "	11-05-2020 to 17-05-2020
Mr.Sijo George	Assistant Professor	Electric Vehicles: Exploring Inside The Box	08-06-2020 to 12-06-2020
Mr. Sreehari S.	Assistant Professor	Training program on " Electric Vehicles - Scope , challenges and Developments"	03-01-2020 to 10-01-2020



		Training program on "MATLAB based Teaching - Learning in Mathematics Science and Engineering"	18-05-2020 to 22-05-2020
Ms Nayana J	Assistant Professor	AICTE Training And Learning (ATAL) Academy FDP on "Blockchain"	09-12-2019 to 13-12-2019
Ms Rajitha A R	Assistant Professor	Advances in Electric Vehicles Technology	08-07-2019 to 12-07-2019
		AICTE Training And Learning (ATAL) Academy FDP on "Blockchain"	09-12-2019 to 13-12-2019
Dr Eldhose K K	Associate Professor	FDP on "Deep Learning and Mechine Learning approaches and it's applications"	09-12-2019 to 13-12-2019
Dr.Anand Raj Hariharan	Hod, Professor	Completed NPTEL course on advanced Fluid Mechanics	Jan -April2020
Dr.Jobin Varghese	Associate Professor	Online Training program on STIMULATION BASED PRODUCT DESIGN	27-04-2020 to 01-05-2020
Jithesh S R	Assistant Professor	FDP on "Industrial Aspects of Thermal Engineering"	13-06-2020 to 17-06-2020
Mohammad Shiyas	Assistant Professor	FDP on "Technological Advances in Mechanical Engineering"	29-06-2020 to 03-07-2020
		FDP on "Renewable Energy Sources"	15-05-2020 to 21-05-2020
Eldho Mathew	Assistant Professor	Program on "Latest trends in Mechanical Engineering and Technologies"	26-05-2020 to 31-05-2020
Eldhose K Joy	Assistant Professor	Program on "Bio-energy: Technologies and Transition"	13-05-2020 to 17-05-2020
Arun P Das	Assistant Professor	FDP on "Renewable Energy Sources"	15-05-2020 to 21-05-2020
Sreenivasan S N	Assistant Professor	FDP on "Renewable Energy Sources"	15-05-2020 to 21-05-2020
Ajith M S	Assistant Professor	FDP on "Renewable Energy Sources"	15-05-2020 to 21-05-2020
Aneesh V	Assistant Professor	FDP on "Technological Advances in Mechanical Engineering"	29-06-2020 to 03-07-2020
Sandeep O S	Assistant Professor	FDP on "Renewable Energy Sources"	15-05-2020 to 21-05-2020
Vishnu S	Assistant Professor	FDP on "Design Services in Advanced Manufacturing"	22-06-2020 to 27-06-2020
Majo Davis	Assistant Professor	FDP on "Renewable Energy Sources"	15-05-2020 to 21-05-2020
Akhil Sankar K	Assistant Professor	Program on "Latest trends in Mechanical Engineering and Technologies"	26-05-2020 to 31-05-2020
Narendran A K	Assistant Professor	FDP on "Renewable Energy Sources"	15-05-2020 to 21-05-2020
		Program on "Latest trends in Mechanical Engineering and Technologies"	26-05-2020 to 31-05-2020



		Program on "Bio-energy: Technologies and Transition"	18-05-2020 to 22-05-2020
Goutam D	Assistant Professor	FDP on "Renewable Energy Sources"	06-01-2020 to 10-01-2020
Mrs. Dhanya R	Assistant Professor	NPTEL on Calculus of Several Real Variables	Aug-Oct 2019
Ms. Jisha K R	Assistant Professor	Training program on " Deep Learning"	30-12-2019 to 04-01-2020
Ms. Jayalakshmi P K	Assistant Professor	Course on "Deep Learning Part 1"	Jan -Apr 2020
Ms. Vinila M L	Assistant Professor	Course on " Stress Management"	Jul-Aug 2019
Mr. Sreedeeep Krishnan	Assistant Professor	FDP on " Innovative Design and Product Development"	08-07-2019 to 12-07-2019
Nimal CN	Associate Professor	Data Management & Analysis Using Excel	25-05-2020 to 30-05-2020
Neema M	Assistant Professor	5G Technologies	08-02-2019 to 14-02-2019
Jeeva P Winto	Assistant Professor	Emerging Trends in Sustainable Developments in Transportation Engineering	23-09-2019 to 27-09- 2019
Anaswara Jayan	Assistant Professor	ATAL FDP on Data Science	09-12-2019 to 13-12-2019
Dr. Tony George	Associate Professor	Advances in Electric Vehicle Technology	08-07-2019 to 12-07-2019
Dr. Deepa Sankar	Associate Professor	Current affairs and research topic in Renewable Energy	29-06-2020 to 03-07-2020
Mr. Tony K P	Assistant Professor	Tools , Techniques and models for scientific Research	22-07-2019 to 26-07-2019
Neethu Suman	Assistant Professor	NPTEL- Python for Data science	Aug-Sep 2019
Sindhu V	Senior Assistant Professor	NPTEL-Principles of modern CDMA/MIMO/OFDM wireless communications	Aug-Oct 2019
Albins Paul	Assistant Professor	NPTEL- Signals and Systems	Jan-Apr 2020
Remya Ramesh	Assistant Professor	Recent Trends in Data Science and Information Security	22-06-2020 to 26-06-2020
Dileep K	Assistant Professor	NPTEL-Deep Learning part-I	Jan-Apr 2020
		FDP on Innovative Design and Product Development	08-07-2019 to 12-07-2019
Deepa V V	Lab Instructor	FDP on "Data science Using R"	11-05-2020 to 15-05-2020



Deepa
14/10/20
IQAC, ASIET
IQAC

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