



ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY
Aditya Nagar, ADB Road, Surampalem-533437, E.G. Dt., A.P

Internal Quality Assurance Cell (IQAC)

Annual Report **AY 2019-20**

Objectives:

The objectives of IQAC are

- Plan, initiate and follow up quality related activities, including adoption and dissemination of best practices.
- Develop a system for conscious and consistent improvement in the overall performance of institution.

Functions:

- Act as a nodal agency of the Institute for organizing quality related activities, including adoption and dissemination of best practices.
- Initiate and encourage faculty members and students to participate in various curricular, co-curricular activities and development programmes towards career enhancement.
- Assessment and Attainment of Course Outcomes and Programme Outcomes.
- Collect and analyze feedback from all stakeholders on quality-related institutional processes.
- Document the programmes/activities organizing on quality improvement.
- Organize workshops, seminars on quality related themes and promotion towards Development of Quality Culture among stakeholder of the institution.
- Communicate institutional quality standards/parameters among stakeholders.
- Periodical conduct of Academic and Administrative Audit and its follow-up.
- Prepare Annual Quality Assurance Report (AQAR) as per the guidelines of NAAC and timely submission to NAAC.

Quality Initiatives by IQAC

S. No.	Title	Date (s)	Beneficiaries	No. of Participants
1	Short Time Training program on Effective Teaching organized by NITTTR, Kolkota	15-07-2019 to 19-07-2019	Faculty	39
2	Webinar on Writing Research proposal	11-05-2020	Faculty	80
3	Webinar on Engineering Learning Outcomes (Blooms Taxonomy)	07-05-2020	Faculty	95
4	A One day Workshop on Research tools and how to write a research paper	14-05-2020	Faculty	73
5	Impact Lecture Session on Intellectual Property Rights by Institute of Innovation Council	07-03-2020	Faculty	70
6	Inculcating research paper writing and uplifting coding skills in Faculty	10-12-2019 to 11-12-2019	Faculty	56
7	Orientation Program on Startup initiation, Research projects and Certifications by Faculty	18-03-2020 to 19-03-2020	Faculty	75
8	Awareness program on preparing online AQAR	22-07-2019	Faculty	35

Faculty Development Programs (FDP) initiated by IQAC

S.No.	Title	Department	Date(s)	No. of Participants
1.	Faculty Development Programme on Security issues & Challenges of Internet of Things (IoT)	MCA	10-02-2020 to 15-02-2020	45
2.	Short Term Training Programme on Theory, Operation and applications of Transducers & Actuators in Industry(NITTTR)	EEE	30-12-2019 to 03-01-2020	18
3.	Faculty Development Programme on Paradigms of Education- Role of a Teacher and reflective Teaching	MBA	04-11-2019 to 09-11-2019	60
4.	Faculty Development Programme on Refresher Program on Arduino Robotics	MECH	27-10-2019 to 01-11-2019	54
5.	Faculty Development Programme on Machine Learning and data science	IT	21-10-2019 to 26-10-2019	47
6.	Faculty Development Programme on Image and speech processing	ECE	15-10-2019 to 19-10-2019	48
7.	Short Term Training Programme on Analysis and design of Shallow foundations (NITTTR)	CIVIL	26-08-2019 to 30-08-2019	15
8.	Short Term Training Programme On Application of Finite element Analysis for structural design(NITTTR)	CIVIL	05-08-2019 to 09-08-2019	20
9.	Short term training programme through ICT mode effective teaching	IT	15-07-2019 to 19-07-2019	25
10.	Faculty Development Programme on Advances in Computational techniques for Electrical Systems	EEE	24-06-2019 to 29-06-2019	26
11.	Short Term Training Programme on Introduction to Network Security(NITTTR)	CSE	24-06-2019 to 28-06-2019	12

Workshops initiated by IOAC

S.No.	Title	Department	Date(s)	No. of Participants
1.	Workshop on Signal Analysis on Transform techniques	ECE	02-03-2020 to 03-03-2020	51
2.	Workshop on Image processing & pattern recognition	IT	27-12-2019 to 28-12-2019	49
3.	Workshop on Engineering Exploration Project	EEE	13-11-2019 to 15-11-2019	26
4.	Workshop on Advanced automotive technology	MECH	23-09-2019 to 24-09-2019	52
5.	Workshop on Computational Mechanics in Industrial Applications	MECH	13-09-2019 to 14-09-2019	53
6.	National workshop on Hands on experience in welding technology	MECH	12-07-2019 to 13-07-2019	53
7.	Workshop On Green Wireless Cooperative Communications in 5G	ECE	06-06-2019 to 07-06-2019	50
8.	A Three Day Workshop on Auto CAD Tools	Non Teaching	30-01-2020 to 01-02-2020	12

Seminars initiated by IOAC

S.No.	Title	Department	Date(s)	No. of Participants
1.	Seminar on cloud virtualization	IT	07-03-2020	54
2.	Seminar on Energy management in industries	MECH	17-02-2020	49
3.	Seminar on Tools for Scientific Communication and Effective Teaching	HBS	05-02-2020	53
4.	Seminar on Next generation Techniques in wireless communication	ECE	08-01-2020	17
5.	Seminar on Deep Learning and its Applications	MCA	03-01-2020	51
6.	Seminar on Structural Audit For Structural Safety	CIVIL	13-12-2019	47
7.	Seminar on zigbee Technology	CSE	07-12-2019	27
8.	Seminar on Signal processing from fundamentals to challenges	ECE	25-11-2019	49
9.	Seminar on Emerging trends in infrastructure and structural engineering	CIVIL	22-10-2019	49
10.	Seminar on Additive Manufacturing Processes and its applications	MECH	06-10-2019	26
11.	Seminar on Hybrid Motor Cycle	EEE	19-09-2019	54
12.	Seminar on Optimized Controller Gains using Optimization Algorithm for Grid-Tied Solar Power Generation with Improved Dynamics and Power Quality	EEE	05-07-2019	26
13.	Seminar on Recent Trends in Information Technology	IT	22-06-2019	27

Summary Report

During this Academic Year 2019-20, the IQAC has initiated several programs towards improving the Quality in the institution. These programs include professional development, workshops, seminars and orientation programs.

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| 1. No. of program on Quality initiatives | – 08 |
| 2. No. of Professional and Faculty Development Programs | – 11 |
| 3. No. of Workshops | – 08 |
| 4. No. of Seminars | – 13 |



IQAC Coordinator



Principal