



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

Internal Quality Assurance Cell (IQAC)

Annual Report **AY 2020-21**

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	Beneficiaries	No. of Participants
1	Impact Lecture Session on Innovation and Entrepreneurship Program by Institute of Innovation Council	22-06-2020	Faculty and Students	210
2	Two days' workshop on NAAC Accreditation (Cycle-II)	20-10-2021	Faculty	121
3	Orientation Program on Patents Filing	16-02-2021	Faculty	92
4	Orientation Program on NIRF	05-10-2020	Faculty	37
5	Orientation Program on NAAC SSR	16-09-2021	Faculty	76
6	Orientation Program on Paper presentation in National / International Conferences	25-10-2021	Faculty and Students	254
7	Orientation Program on Outcome Based Education (OBE)	13-11-2021	Faculty and Students	280
8	Become Coder an Orientation Program for students	15-11-2021	Students	135

Faculty Development Programs (FDP) initiated by IOAC

S.No.	Title	Department	Date(s)	No. of Participants
1.	Faculty Development Programme on Recent Research Trends on Digital VLSI design	ECE	26-04-2021 to 01-05-2021	50
2.	Faculty Development Programme on Application of Computational Geomechanics to earthquake engineering	CIVIL	22-03-2021 to 27-03-2021	25
3.	Faculty Development Programme on Electric Vehicles: Challenges & Opportunities in Future India	MECH	15-03-2021 to 20-03-2021	51
4.	Faculty Development Programme on 3D printing and Design	MECH	13-07-2020 to 18-07-2020	56
5.	Faculty Development Programme on Cyber Security & Forensics	CSE	06-07-2020 to 11-07-2020	51
6.	Faculty Development Programme on Research Opportunities in Electrical Engineering	EEE	20-07-2020 to 24-07-2020	26

Workshops initiated by IOAC

S.No.	Title	Department	Date(s)	No. of Participants
1.	Workshop on Grid Computing	CSE	06-04-2021 to 07-04-2021	51
2.	Workshop on Present Automotive Two & Three Wheeler Technologies	MECH	24-03-2021 to 25-03-2021	53
3.	Workshop on Security & Privacy	CSE	01-02-2021 to 02-02-2021	47
4.	Workshop on Recent Trends in Wireless technology	ECE	18-01-2021 to 19-01-2021	51
5.	Workshop on Engineering Scalable Distributed Services for Real-Time Big Data Analytics	MCA	08-01-2021 to 09-01-2021	45
6.	Workshop on PLAXIS Software	CIVIL	08-01-2021 to 09-01-2021	26
7.	Workshop on Solar powered Electric Vehicle Design using Matlab/Simulink	EEE	11-09-2020 to 12-09-2020	27
8.	A Three Days Training Program on IT Workshop Lab	Non Teaching	18-01-2021 to 20-01-2021	20
9.	A Three Days Training Program on Microprocessor and Micro Controller Programming	Non Teaching	22-04-2021 to 24-04-2021	15

Seminars initiated by IOAC

S.No.	Title	Department	Date(s)	No. of Participants
1.	Seminar on AI transforming our future	IT	28-04-2021	54
2.	Seminar on IoT Applications, Adoptions, Potential Technical, Financial & Research Challenges	MCA	08-04-2021	47
3.	Seminar on Latest Trends In Geotechnical Engineering	CIVIL	09-04-2021	27
4.	Seminar on National Education Policy 2020	ECE	20-03-2021	49
5.	Seminar on cloud infrastructure	CSE	20-02-2021	49
6.	Seminar on Recent Trends in Solar power	EEE	16-02-2021	25
7.	Seminar on Emerging trends in Nano fluids	HBS	25-01-2021	15
8.	Seminar on Real time IOT industry oriented approach	IT	06-01-2021	49
9.	Seminar on Understanding Automotive Industry	MECH	21-12-2020	54
10.	Seminar on An overview of PIC Microconroller	ECE	05-12-2020	47
11.	Seminar on Dynamic Wireless charging System for EV	EEE	05-10-2020	24
12.	Seminar on Emerging Opportunities in EV	EEE	17-08-2020	25
13.	Seminar on Latest Technology in Wind power	EEE	05-06-2020	26

Summary Report

During this Academic Year 2020-21, 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 | – 06 |
| 3. No. of Workshops | – 09 |
| 4. No. of Seminars | – 13 |



IQAC Coordinator



Principal