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

Internal Quality Assurance Cell (IQAC)

Annual Report
AY 2016-17

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	One day workshop on roles and responsibilities of Mentor	25-07-2016	Faculty	98
2	Seminar on Academic and Administrative Audit in HEI	22-02-2017	Faculty	41
3	Orientation program on Filling AQAR	15-05-2017	Faculty	39

Faculty Development Programs (FDP) initiated by IQAC

S.No.	Title	Department	Date(s)	No. of Participants
1.	Faculty Development Programme on Soft computing and applications of data science	MCA	08-05-2017 to 13-05-2017	47
2.	Faculty Development Programme on Network Security	CSE	20-03-2017 to 25-03-2017	48
3.	Short Term Training Programme on PHP and Mysql through ICT (NITTTR)	MCA	23-01-2017 to 27-01-2017	10
4.	Short Term Training Programme on ICT Based course on Cloud computing(NITTTR)	IT	05-12-2016 to 09-12-2016	16
5.	Faculty Development Programme on Advances in Construction technology	CIVIL	17-10-2016 to 22-10-2016	23
6.	Faculty Development Programme on CAD Modelling & Matlab Programming	MECH	03-10-2016 to 08-10-2016	53
7.	Faculty Development Programme on Embedded Systems	ECE	08-08-2016 to 13-08-2016	47
8.	Faculty Development Programme on Empowering Hospital Administrators with Management Skills'	MBA	11-07-2016 to 16-07-2016	12
9.	Faculty Development Programme on Recent Trends in Power Electronics Applications in smart Grid, EV and Renewable Energy	EEE	20-06-2016 to 25-06-2016	26

Workshops initiated by IQAC

S.No.	Title	Department	Date(s)	No. of Participants
1.	Workshop on Base isolation techniques for seismic resistance	CIVIL	19-05-2017 to 20-05-2017	24
2.	Workshop on Power system Analysis and Applications	EEE	06-02-2017 to 07-02-2017	19
3.	Workshop on Green mobility	MECH	07-12-2016 to 08-12-2016	56
4.	Workshop on Matlab for mathematicians	HBS	25-11-2016 to 26-11-2016	28
5.	Workshop on Cryptography and its applications	CSE	31-09-2016 to 01-10-2016	49
6.	Workshop on Ethical Hacking and Cyber Security	IT	19-09-2016 to 20-09-2016	48
7.	Workshop on Total station	CIVIL	22-07-2016 to 23-07-2016	24
8.	Workshop on Image processing and its application with MATLAB	ECE	18-07-2016 to 19-07-2016	49
9.	Workshop on Data mining for Business Applications	MCA	01-07-2016 to 02-07-2016	48
10.	Workshop on Design of Electronic circuit and analysis using Multisim	ECE	24-06-2016 to 25-06-2016	47
11.	Workshop on Application of Statistical Methods in Research	MBA	17-06-2016 to 18-06-2016	21
12.	A Three Day Workshop on Hardware and Networking Basics	Non Teaching	13-09-2016 to 15-09-2016	13
13.	A Three Day Training Programme on Office Automation Tools	Non Teaching	01-05-2017 to 03-05-2017	15

Seminars initiated by IQAC

S.No.	Title	Department	Date(s)	No. of Participants
1.	Seminar on Digital design & Emerging trends in VLSI	ECE	22-05-2017	49
2.	Seminar on Emerging Trends in Automation	MECH	24-04-2017	54
3.	Seminar on Capital Market Reforms in India	MBA	17-04-2017	13
4.	Seminar on Intelligent Analytics	MCA	04-03-2017	49
5.	Seminar on Corporate Frauds	MBA	04-02-2017	13
6.	Seminar on Emerging Trends in Concentrated Solar Technologies	MECH	28-01-2017	55
7.	Seminar on CNC programming and machine tools	MECH	09-01-2017	56
8.	Seminar on Big Image Processing Using Hadoop frame work	CSE	02-01-2017	49
9.	Seminar on Bigdata Analytics	IT	19-11-2016	47
10.	Seminar on Emerging Trends in Physics Teaching and Training	HBS	10-11-2016	10
11.	Seminar on Recent trends on funding and its importance	MECH	04-11-2016	54
12.	Seminar on Artificial Intelligence & Applications in Electrical Distribution System	EEE	01-11-2016	26
13.	Seminar on Flexible AC Transmission Systems and its Applications	EEE	20-09-2016	25
14.	Seminar on Water Resources Engineering & Irrigation Structures	CIVIL	15-09-2016	25
15.	Seminar on 5G Networks and IoT	CSE	06-09-2016	47
16.	Seminar on Intelligent Control Systems	EEE	08-08-2016	24
17.	Seminar on Block chain and its applications	IT	06-06-2016	49

Summary Report

During this Academic Year 2016-17, the IQAC has initiated several programs towards improving the Quality in the institution. These programs include professional development, workshops, seminars and orientation programs.

1. No. of program on Quality initiatives – 03

2. No. of Professional and Faculty Development Programs – 09

3. No. of Workshops – 13

4. No. of Seminars – 17

IQAC Coordinator **Principal**