

PREAMBLE:

As per the guidelines of National Assessment and Accreditation Council (NAAC), the establishment of Internal Quality Assurance Cell (IQAC) is a mandatory requirement for all NAAC-accredited institutions. Anna University was reaccredited by NAAC in the year 2014 with A grade (CGPA 3.46 out of 4). The IQAC of Anna University, since inception, has been consistently and actively involved in quality sustenance and quality enhancement activities. It is a participative cell of the University that works on evolving strategies to remove deficiencies and enhance quality, thus channelizing the efforts of the University towards achieving holistic academic excellence.

1.1 Major Functions

- i. Development and application of quality benchmarks/parameters for various academic and administrative activities of the institution;
- ii. Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process;
- iii. Arrangement for feedback response from students, parents and other stakeholders on quality-related institutional processes
- iv. Dissemination of information on various quality parameters of higher education;
- v. Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles;
- vi. Documentation of the various programmes/activities leading to quality improvement
- vii. Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices
- viii. Development and maintenance of institutional database through Management Information System (MIS) for the purpose of maintaining /enhancing the institutional quality
- ix. Development of Quality Culture in the institution
- x. Preparation of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC, to be submitted to NAAC.

1.2 Council Members

S. No.	Role as defined by NAAC	Nominated Personnel	Name, Designation & Affiliation
1	Chairman	Vice Chancellor	Dr. M. K. Surappa
Members			
2	Senior Administrative Officer	Registrar	Dr. S. Ganesan
3	Senior Administrative Officer	Finance Officer	Mr. S. Palani kumar
4	Senior Teacher	Dean, CEG	Dr. T. V. Geetha
5	Senior Teacher	Dean, MIT	Dr. A. Rajadurai
6	Senior Teacher	HOD, MBA	Dr. L. Suganthi
7	Senior Teacher	Director, Acedemic	Dr. T.V. Geetha
8	Management	Director P & D	Dr. J. Kumar
9	Member from Local Society	Industrialist cum alumnus	Mr. A.J. Balasubramani, Director, Agilx Health, Chennai.
10	Student Member	Chairman - Quality Club / Tech Forum	Mr. Madhu
Alumni			
11	Employer / Industrialist/ Stakeholder	Industrialist cum alumnus	Mr. M.E. Raghunathan, M.D, Solkar Industry, Chennai.
12	Senior Teacher	Director, IQAC	Dr. T. Thyagarajan

1.3 IQAC Team

Director Dr. T. Thyagarajan Professor Department of Instrumentation Engineering MIT Campus, Anna University 2235 7027 / 2251 6323	Deputy Director Dr. Sabitha Ramakrishnan Assistant Professor (S.G) Department of Instrumentation Engineering MIT Campus, Anna University 2235 7027 / 2251 6321
MIT Campus Coordinator Dr. Sabitha Ramakrishnan Assistant Professor (S.G) Department of Instrumentation Engineering MIT Campus, Anna University 2235 7027 / 2251 6321	CEG Campus Coordinator Dr. S. Meena Kumari Assistant Professor Department of Management Studies CEG Campus, Anna University 2235 8786
A.C. Tech Campus Coordinator Dr. K. V. Radha Associate Professor Department of Chemical Engineering ACT Campus, Anna University 2235 9124	SAP Campus Coordinator Ms. R. Rajeswari Assistant Professor Department of Architecture SAP Campus, Anna University 2235 9325

1.4 Department Coordinators

CEG Campus

Sl. No.	Dept	Coordinator	Desig .	Mobile No.	Int. No.	Email id
1.	Civil, Structl. Engg., Soil Mech.,IR S, IOM, CWS Transpn. Engg.,	Dr.S.Rahima Shabeen	AP	9176963137	7404	rahima@annauniv.edu, raheema.shabeen@gmail.com
2.	CES	Ms. K.Soundaranayaki	AP	9442903997	9016	soundariya31@gmail.com
3.	Mech.	Mr. C.Adhikesan	AP	9994414024	7755	cadthikesavan@yahoo.com
4.	Industrial Engg	Mr.K.Padmanabhan Panchu	AP	8939934561	7680	panchu81@annauniv.edu
5.	Manufg. Engg	Dr.A.Azad	Asso Prof.	9840138016	7719	azad@annauniv.edu
6.	Mining	Dr.S.Venugopal	AP	9790743343	7782	venugopal@annauniv.edu
7.	Printing Tech	Ms. M. Kanchana	AP	9442390920	8956	mani.kanchana@gmail.com
8.	EEE	Dr.A.Kavitha	AP (SG)	9444388778	8941	akavitha@annauniv.edu
9.	ECE	Dr. V. Jeyalakshmi	AP	9965391099	9850	jpjeya@gmail.com
10.	CSE	Dr. Rajeswari Sridhar Dr. S. Sudha	AP (SG) AP (SG)	9445001236 9884079449	8838 8857	rajeswari@cs.annauniv.edu sudha_s@cs.annauniv.edu
11.	IST	Dr. K.Indra Gandhi	AP	9444341901	8844	indhra@auist.net, indhra@annauniv.edu
12.	Maths	Dr.M.Chinnadurai	AP	9710002856	8516	chinna086@gmail.com
13.	Physics	Dr.G.Velraj	Asso. Prof.	9944176380	8694	gvelraj@annauniv.edu
14.	Chem	Dr.G.R.Rajarajeswari (Sr.Gr)	AP (SG)	9283166907	8657	rajiaravind@gmail.com
15.	English	Dr.Seethalakshmi	AP	9884729826	8726	see_lak3@yahoo.co.in
16.	Geology	Dr.K.Sivaraj	AP	9551770210	7918	kasivaraj@gmail.com
17.	Media Science	Dr.S.Lavanya	AP	9840009744	8238	lavanyaa2@gmail.com
18.	Managemt .	Dr.K.Krishna Kumar	AP	9841331242	8784	kriskumars@yahoo.com
19.	Med. Phy.	Dr.G.J.Bhagavathiammal	AP	9942948562	8693	bhyagavathy.ej@annauniv.edu

ACT Campus

Sl. No.	Dept	Coordinator	Desig	Mobile No.	Int. No.	Email id
1	Chemical	Dr.K.V.Radha	AP	9444913530	9124	radha@annauniv.edu
2	Ceramic	Dr.D.Thenmuhil	AP	9840619319	9200	thenmuhil@annauniv.edu
3	Textile	Dr.N.Gobi	AP	9884845999	9253	ngobi@annauniv.edu
4	Biotech	Dr.V.Adaikkalam	AP	8939260397	8367	adai@annauniv.edu
5	Appl.Sci	Ms.M.Yuvarani	TF	9976534609	9165	yuva91yuvi@gmail.com

MIT Campus

Sl. No.	Dept	Coordinator	Desig	Mobile No.	Int. No.	Email id
1	Aero	Dr. Leelavathy	AP	9003120470	6392	leelavathy@annauniv.edu
2	Auto	Mr. B. Vasanthan	AP	9894864529	6070	bvasanthan@mitindia.edu
3	CT	Dr. P. Pabitha	AP	9442172562	6225	pabithap@gmail.com
4	Elex	Mr. Konguvel	TF	9597812810	6083	Konguart08@gmail.com
5	IE	Dr. Sabitha Ramakrishnan	AP (SG)	9789977989	6321	Sabitha.ramakrishnan@gmail.com
6	IT	Mr. Vivekanandan	TF		6375, 6314	vivek.acm@gmail.com
7	PT	Dr. Thirumal Azhagan	AP	9962593286	6131	thirumalazhaganm@yahoo.com
8	RPT	Dr. K. Elangovan	AP	9094680905	6058	elangok@mitindia.edu

SAP Campus

Sl. No.	Dept	Coordinator	Desig	Mobile No.	Int. No.	Email id
1	Architecture	Ms. R. Rajeswari	AP	9884492200	9325	raaji.ravi@gmail.com
2	Planning	Dr.K. Pradeep Moses	Asso. Prof.	9444084157	9310	kpmoses@annauniv.edu

2. QUALITY INITIATIVES

2.1 Enhancement of IQAC Team

Dr. T. Thyagarajan, Professor, Dept. of Instrumentation Engineering took charge as Director, IQAC on 16.12.2015.

In order to assist the Director and the rest of the IQAC team in the conduct of various IQAC activities, an additional post of Deputy Director, IQAC was created in 21. 12. 2015.

Dr. Sabitha Ramakrishnan, Asst. Professor (Sr. Gr), Dept. of Instrumentation Engineering took charge as Deputy Director on 23.12.2015.

2.2 Preparation of Ready Reckoner

The preparation of AQAR involves a periodic and regular process of data collection from the various departments and centres of Anna University which is then consolidated into a final report by the IQAC. In this regard, a Ready Reckoner was prepared and distributed in order to make this process simpler, more streamlined, easily understood and followed by all people concerned. The Ready Reckoner contains some basic information about IQAC, its members, functions, activities and also formats for AQAR.

2.3 Creation of website

To readily access the details of IQAC and its workings and activities and also to help in the dissemination of information about the AQAR, an exclusive website was created for IQAC. The website contains basic information about IQAC - its members, functions, activities, latest AQAR submitted and formats for AQAR. It is periodically updated to reflect the current activities of the IQAC.

2.4 Setting up of IQAC Office

The IQAC is a central nodal agency to coordinate and consolidate quality activities at the University level. In this regard, it was found necessary to have a functioning office space and infrastructure for the IQAC team to conduct its continual activities. Steps were initiated to accommodate the office space temporarily in the Centre for University- Industry Collaboration (CUIC). Currently it is functioning in the University Administrative Block (first floor). Infrastructure in terms of office equipment such as computers, printers, LCD projector etc., was purchased in order to conduct the activities of the IQAC.

2.5 Creation of benchmarks (indicative)

2.5.1 Academic

- Implementation of Choice Based Credit System (CBCS) for all the UG and PG programmes
- Average pass percentage of students > 90
- Average placement of students (on-campus) > 70
- Average drop-out percentage of students < 2
- Declaration of results: within 15 days
- Number of books per students in the library > 80 to 100
- Faculty/ student ratio < 1:20
- Student/ Computer ratio < 5:1
- Percentage of teachers with Ph.D qualification > 60 - 90
- Percentage of teachers with post Post Doc qualifications > 0.5 to 1
- Academic audit periodicity: every semester

2.5.2 Research and Development

- Number of on-going research projects per Department > 5 per year
- Percentage of Departments with UGC-SAP/ CAS and DST-FIST > 60
- Number of Patents per year > 2
- Number of Technology Transfers per year > 2
- Average Ph.D output per Department per year > 5
- Average publication per faculty per year > 2
- Number of Conferences per year per department > 1
- Publication of Research Journal > 4 issues/ year

2.5.3 Recognition

- NBA Accreditation: For all the eligible UG/ PG programs in a phased manner
- NIRF Rankings: Within Top 10 in all categories
- QS World University Rankings: Top 650
- QS BRICS Countries Rankings: 75
- QS Asian Countries: Top 300
- NAAC Accreditation: A++
- UPE (UGC) Recognition: 2nd phase
- IOE (Institution of Eminence): Recognition from UGC/ MHRD

2.5.4 Infrastructure

- Individual block for every department
- Hostels for international students
- Staff-quarters for Teaching, Non- Teaching and Administrative staff

3. CONDUCT OF TRAINING PROGRAMMES

3.1 Faculty Members

NAAC Awareness Seminar/ Training Programme on Quality System in Higher Education:

In order to create awareness and train faculty members from Higher Education Institutions to sustain and improve quality, a two day NAAC Awareness Seminar/Training Programme on Quality System in Higher Education was conducted by IQAC during 29th and 30th September 2016. The programme was co sponsored by the National Assessment and Accreditation Council (NAAC), Bangalore. The topics covered in this programme were: Change Management, Academic Excellence, Effective Documentation & Presentation, Assessment & Evaluation Methodology, Quality Sustenance, Quality Enhancement through Internalization of Quality Culture and Institutionalization of Best Practice. Around 144 faculty members from Higher Education Institutions, engaged in the implementation and management of Quality System benefitted from the program. The lectures were delivered by Senior Professors and Academic leaders with expertise and experience in maintaining quality systems.

Workshop on “Quality Assurance in Higher Education Institutions” Organized By AU-IQAC for IQAC Campus Coordinators

IQAC organized a One-day Workshop on “Quality Assurance in Higher Education Institutions” on 13.3.2018, for the benefit of __ IQAC Department coordinators of Anna University.

The following aspects were covered in the course of the program: Quality Assurance in HEIs – NAAC/ NIRF perspectives, Assessment and Accreditation – NBA perspective, Best Practices for Quality Assurance in HEIs, Quality Assurance in Budgeting and Financial Management and Team Building for Institutional Excellence.

The One Day Workshop had 5 sessions of one hour duration each, with lectures delivered by senior professors and academic leaders having expertise and experience in Quality Assurance in Higher Education Institutions.

3.2 Non-Teaching (Technical and Administrative) Staff Members

Two Week Training Programme on “Modern Office Management”:

IQAC and CUIC jointly organized a two- week Training Programme on "Modern Office Management" for the benefit of University Administrative Staff from 02.11.16 to 11.11.16. Around 91 Administrative staff members from various Departments participated and benefitted from this Training programme.

The following aspects were covered in the course of the program: Effective Communication Skills for Administrators, Presentation Skills and its Importance, Leadership Skills, Email Etiquette, Records and File Management, Problem Solving and Decision Making and the Concept of Team and Conflict Management.

The two weeks Training Programme had 2 sessions per day of one-and-half hour duration each, with lectures delivered by senior professors and academic leaders having expertise and experience in Modern Day Office Management.

Training Programme on Capacity Building (for Admin Staff):

IQAC organized a Training Programme on “Capacity Building” for the benefit of the Administrative Staff of Anna University during the period 29th January to 2nd February, 2018. Around 35 administrative staff members attended the programme.

The topics covered were as follows: Need and importance of Quality Assurance in Higher Educational Institutions, Team Building for Institutional Excellence, Budgeting/ Auditing/ Financial Management, Best Practices for Quality Assurance in Higher Educational Institutions, Best Practices for Quality Assurance in Higher Educational Institutions.

The Training Programme consisted of 5 sessions of 2 hours duration each starting from 3.00p.m to 5.00pm, spread over five days. The sessions were delivered by senior professors and academic leaders having expertise and experience in maintaining quality in Higher Educational Institutions.

Training Programme on Competency Development (for Technical Staff):

IQAC organized a Training Programme on “Competency Development” for the benefit of the Technical Staff of Anna University during the period 5th February to 9th February, 2018. Around 42 administrative staff members attended the programme.

The topics covered were as follows: Need and importance of Quality Assurance in Higher Educational Institutions, Team Building for Institutional Excellence, Budgeting/ Auditing/ Financial Management, Best Practices for Quality Assurance in Higher Educational Institutions, Managing Conflicts.

The Training Programme consisted of 5 sessions of 2 hours duration each starting from 3.00p.m to 5.00pm, spread over five days. The sessions were delivered by senior professors and academic leaders having expertise and experience in maintaining quality in Higher Educational Institutions.

4. PREPARATION OF ANNUAL QUALITY ASSURANCE REPORT (AQAR)

4.1 Data Collection

The IQAC analyses the nature of data to be collected for the Annual Quality Assurance Report and identifies key authorities/personnel to be involved to furnish specific information under each component. IQAC acts as a nodal agency to assist the Registrar's office in sending circulars, coordinates in the follow up action, sends periodic reminders and ensures that all information is submitted.

4.2 Consolidation and Submission

Subsequent to the collection of information, IQAC goes through all the individual data and consolidates them. It then prepares a consolidated report and submits to NAAC – HQ and to the syndicate of Anna University. The soft copy is uploaded in the University website. The AQAR for 2014-2015 was submitted by IQAC on 02.03.2016. The AQAR for 2015-2016 was submitted on 22. 12. 2016 and the AQAR for 2016-2017 was submitted on 29.12.2017.

5. IQAC MEETINGS

5.1 Periodic Internal Meetings

The members of IQAC meet periodically to carry out the IQAC activities. The agenda of the meetings involve as the following: discussion of purchase, preparation of AQAR, quality sustenance activities, dissemination of information pertaining to IQAC, preparation for the conduct of training programmes, etc.. At the beginning of the academic year, a road map is drawn up which acts as a broad guiding structure to carry out the IQAC activities in a timely and appropriate manner.

5.2 Annual Council Meeting

The IQAC Council members conduct an annual meeting, chaired by the honourable Vice Chancellor, where the following agenda points are presented (for the information, ratification, consideration and approval of the Council members): Status of IQAC Activities, Budget estimates and Purchase activities, Preparation of AQAR, Conduct of Academic Audit, Renewal of NBA Accreditation, Conduct of NAAC Training Program and Infrastructure requirement for IQAC.

The 5th Council meeting of the Internal Quality Assurance Cell was held on 29.4.2016 at 10.00 AM in the Syndicate Hall of Anna University.

The Director, IQAC, Dr. T. Thyagarajan made a PowerPoint presentation of the status of quality initiatives of Anna University for the period of 18.6.2014 to 29.4.2016.

The IQAC Council Members noted and ratified the actions of IQAC during the period 18.6.2014 – 29.4.2016, including the Purchase of non- consumable items at IQAC, the appointment of Professional Assistant II for IQAC and the Honorarium paid to IQAC Team Members.

The following points were presented for Discussion, Consideration and Approval: Preparation of AQAR for the year 2015-16, Conduct of Academic Audit for the academic year 2015-16, Renewal of accreditation of all the UG and PG programmes of University Departments by National board of Accreditation, NAAC Training Programme and Infrastructure requirement for IQAC.

The council appreciated the efforts taken by IQAC for submitting a comprehensive AQAR for the year 2014-15. The council also appreciated the presentation of the Director, IQAC showcasing the accomplishments of Anna University.

The council IQAC advised to evolve benchmarks for quality enhancement.

6. QUALITY SUSTENANCE ACTIVITIES

6.1 Facilitating Academic Audit

IQAC initiated sending circular to Director (Academic) through Registrar, to conduct Academic Audit for the academic year 2015- 2016 and 2016- 2017. Accordingly, with the involvement of ACOE (UD), Faculty Chairpersons and Academic Experts, the Academic Audits were carried out. The details were shared with the stakeholders, for taking necessary actions at their respective ends.

6.2 Facilitating Publication of Research Journal

IQAC initiated the formation of core committee to explore the Publication of 'Research Journal' by our Anna University. The Director (Research), Director (P & D), Director (IQAC), Director (University Library), HOD - Printing Technology and HOD - Instrumentation Engineering are the members of the core committee. HOD -Instrumentation Engineering conducted several meetings to collect the names of editorial board members, collect research articles, coordinate with printer for proof reading etc. Director (University Library) made arrangements for registration of the journal name as 'STEAM' (Science, Technology, Engineering, Architecture and Management). Director (Research) as Chief Editor took care of all the other arrangements. Director (P & D) provided necessary funding for the printing of the Journal. The Research Journal is in the advanced stage of release.

6.3 Initiatives for securing R & D funding (UGC/ SAP & DST/ FIST)

IQAC collected the detailed statistics of funding received by various departments from UGC/ SAP/ AS/ DRS and DST-FIST, through P&D Section. After thorough analysis, the eligible

departments which are yet to apply/ receive funding from UGS & DST were identified. Circulars were sent to concerned HODs and Centre Directors to apply for funding. With continuous follow-up, some more departments could secure UGC/ SAP and DST/ FIST funding.

6.4 Coordination of NIRF Ranking:

IQAC initiated the formation of a core committee including Nodal Officer, Campus Coordinators and Department-wise Coordinators, for collection and consolidation of comprehensive data. A Comprehensive Action Plan was prepared with timelines for successful submission of data well before the deadline under four categories namely: University (overall), Engineering, Architecture and Management. Simplified formats were shared through mails to collect data under five categories namely: Teaching, Research, Graduate Outcome, Outreach and Perception. Several circulars were prepared and issued through proper channel to all the information providers. Timetable was prepared to upload the Department data by the respective Department Coordinators. Several review meetings were also arranged to ensure the validation and completion of work within the timelines.

6.5 Coordination for NBA Accreditation

IQAC initiated sending circulars to the Deans of various campuses through Registrar to collect information regarding current status of NBA Accreditation of various UG/ PG Programmes offered by various Departments in the four campuses. Based on the comprehensive information collected, the Departments which are eligible to apply for accreditation were identified. The concerned Deans were requested to take immediate necessary steps to apply for NBA Accreditation.

During the NBA team visit, IQAC helped in giving inputs such as: Hints to prepare PPTs, List of documents to be submitted, Arrangements to be made in the: Seminar Hall/ Department Labs/ Department Library, Display for various Registers/ Files/ Certificates/ Awards etc. Sharing the scientist's photos, conducting mock test for students/ staff to create awareness, coordinating with the chairman of NBA Team etc.

6.6 Coordination for submission of IOE proposal

IQAC activity involved in coordinating the successful submission of IOE proposal which include: Formation of Core Committee, Identification of Convenor, Co- Convenor, Nodal Officer, Additional Nodal Officer, Deputy Nodal Officers; Temporary Office for the data processing; Comprehensive Action Plan with timelines; Delegation of works such as: Vision/ Mission/ Goals/ Values Formation; Comprehensive 15 year Strategic Plan (Governance structure, Academic Plan, Admission Plan, Financial Plan, Recruitment Policy); R&D Thrust Areas; Collection of data for 38 Annexures, Filling the Application Form; Formation of Sub-Committee by involving various stakeholders, Review meetings to monitor the progress as per Action Plan etc.

7. RANKING AND RECOGNITION OF UNIVERSITY

7.1 UGC/University with Potential for Excellence

Anna University has been recognized by UGC as University with Potential for Excellence in the thrust area “Biomedical Engineering and Instrumentation” with an estimated funding of Rs. 75 Crores over a period of 5 years. The first instalment of Rs.23 Crores was received in July 2017. The five-year project entitled “Automated Biomedical Device Development for Commercialization, with the development of Automated Antibioqram cum Pathogen Identification Device (Bactibiogramoscope)”is currently under progress with ten Work-Packages (WP), namely: WP1 – Biochemistry and Biotechnology, WP2 – Optoelectronics, WP3 – Electro Mechanical, WP4 – Automation, WP5 – Sheet Metal Fabrication, WP6 – Assembly, WP7 – Limited Manufacturing, WP8 – Field Testing, Validation and Surveillance for MDR, Public Health Tools, WP9 – Testing and Calibration, WP10 – Market Survey, Technology Transfer and Commercialization.

The Principal Investigators in the project are Faculty members from various Departments / Centres of Anna University, namely: Centre for Biotechnology, Department of Electronics & Communication Engineering, Department of Production Engineering, Department of Instrumentation Engineering, Department of Electronics, Department of Manufacturing Engineering, Department of Medical Physics, Department of Chemistry, Department of Management Studies. The project is mentored by one expert from UGC along with experts from reputed R&D institutions of India.

7.2 QS Ranking 2018

The ranks secured by Anna University under QS Ranking 2018 are listed below:

- **World University Ranking:** : 651-700
- **Subject-wise ranking:**
 - Engineering and Technology : 388
 - Mechanical & Chemical Engineering : 251-300
 - Electrical and Electronic Engineering : 301-350
 - Computer Science and Information Systems : 451-500
- **Region-wise ranking:**
 - Asia region : 301-350
 - BRICS countries : 85

7.3 Other Rankings/Recognition/Awards

NBA Accreditation:

NBA accreditation has to be mandated for all the courses offered. Anna University has applied for accreditation from National Board of Accreditation. The competent

authority of NBA has approved the following accreditation status to the programmes as given in the following table:

S.No	Name of the Programme (UG)	Accreditation Status	Period of Validity
1	Electronics and Communication Engineering	Provisionally Accredited	Academic Years 2016-2017 to 2018-2019 i.e, upto 30.06.2019
2.	Electronics & Instrumentation Engineering	Accredited	Academic Years 2016-2017 to 2021-2022 i.e, upto 30.06.2022
3.	Aeronautical Engineering	Accredited	
4	Automobile Engineering	Accredited	

NIRF Ranking: The ranks obtained by Anna University in MHRD-based **National Institutional Ranking Framework (NIRF) - 2018**, under various categories are listed below:

Category	NIRF	
	2017	2018
University	06	04
Engineering	08	08
Overall	13	10
Management	23	28
Architecture	-	06