



AMC ENGINEERING COLLEGE

18th KM, Bannerghatta Road Bengaluru 560083

BRIEF REPORT ON IQAC

AMC Engineering College has been accredited by National Assessment and Accreditation Council. [NAAC] with CGPA of 2.77 on Four Point scale at B++ grade valid up to 2nd December 2021. The NAAC peer team in its final report had desired that AMCEC should have an internal quality assurance cell [IQAC] for quality assurance and continuous improvement. IQAC in any institution is a significant administrative body that is responsible for all quality matters. It is the prime responsibility of IQAC to initiate, Plan, and supervise various activities that are necessary to increase the quality of the education imparted in a college

During October 2013, the NAAC has notified a revised Guidelines of IQAC and submission of annual quality report [AQAR]. As per the guidelines, the institution need to submit yearly the annual quality assurance report [AQAR] to NAAC. A functional internal quality assurance cell [IQAC] and timely submission of annual quality assurance reports [AQAR] are the minimum institutional requirements [MIR] to volunteer for second, third or subsequent cycle's accreditation

- To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution
- To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

CAMPUS AUTOMATION

AMC Engineering College is fully automated using DHI Software automation system which facilitates the processes followed by the college in its entirety and enables them to be streamlined. College Automation System provides a list of applications to support various educational, administrative and operational needs of the College. Each of these applications are built to be able to configure and customize for needs of the college.

Continuous improvement of the examination system for the students

To measure the effectiveness of the understanding of the curriculum, the institute is conducting periodic internal tests. A centralized examination body conducts this unit test thrice in a span of one semester. The duration of one such internal test is about 1 hour 15 minutes each. The faculty handling these subjects prepares 2 sets of question papers for each subject and hands over the same to the exam cell. The examination cell will pick one question paper at random and is given on the day of internal test. Invigilation, scheme of valuation etc., is strictly as per the norms established by the VTU. Each question in the question paper is mapped to a course and program objective as per the guide lines of Blooms Taxonomy.

The IQAC cell of the institute has contributed for the improvement of the academic environment such as teaching and learning process, curriculum and evaluation of research environment in the institution.

VTU provides guidelines for the course syllabi, pattern of examination and passing criteria. As per the course design, College arranges term wise / year wise activities and plan for classes. The faculty ensure syllabus completion in particular academic semester as per plan. The college authority with the help of different committees plan for the activities as listed below:

1. Academic calendar
2. Teaching plan
3. Workload plan and allocation of resources
4. Class wise time table.
5. Examination schedule including tutorials.
6. Seminar / workshop/ Industrial visit schedule
7. Annual plan for sports and extracurricular activities.

Teaching plans are prepared for a term. These get verified / checked at different stages in accordance with syllabus and scheme of examination given by VTU.

The College authority evaluates delivery effectiveness of teaching methods. The knowledge absorption / assimilation by students is also gauged suitably.

The academic audit provides an opportunity to enhance the quality in teaching – learning process, which is conducted at three levels namely

- 1) Faculty level
- 2) Department level and
- 3) College level.

1. Faculty Level Audit

This is the first level and is the self-analysis by the faculty handling their respective courses. The faculty will analyze a) course outcomes b) CO-PO mapping CIE Bar graph SEE grade distribution and CO attainment.

2. Department Level Audit

The department audit committee will audit the following parameters such as best academic practice in the department, courses which need COs to be redefined courses were CIE is of concern.

3. College Level Audit

The IQAC cell conducts the college level audit once in a year. The audit team comprising of a team of senior professors along with a few subject matter experts for each department is formed to audit the various academic and departmental activities. The committee lists their observations with regard to best academic practices of the institution, identify the grey areas and

suggest for the any improvement required there off. The summary of this audit report is prepared, placed and used for outlining an action plan to improve the quality of the academic activities.

Video classes and NPTEL online courses

- Video demonstrations are made for specific topics not covered in the syllabus, with the intention of helping the students to have a thorough understanding of the topics through audio- visual means for better understanding and impact.
- The students and faculty members are encouraged to register and get certified through NPTEL National program on Technology enhanced learning) online courses initiated by the MHRD, Government of India.
- Apart from this, IQAC incorporates other methods like modeling of physical systems, practical demonstrations etc., are also conducted on a regular basis.

Lecture Capture Solution

Feedback is solicited from students at the end of each semester about the faculty members. A typically prepared feedback form containing about ten questions is given to each student. Students rate faculty on a scale of one to five, with one being the least and five being the highest. This feedback is collated and analyzed to determine the performance areas in which faculty are strong and areas where improvement is needed.


PRINCIPAL
PRINCIPAL
AMC ENGINEERING COLLEGE
BENGALURU - 560 083.