

The IQAC of Vel Tech Multi Tech Dr. Rangarajan Dr. Sakunthala Engineering College was established in the year 2016 as a significant administrative body responsible for all quality matters. The IQAC of Vel Tech Multi Tech Dr. Rangarajan Dr. Sakunthala Engineering College administers the full responsibility to initiate, plan and supervise various activities which are necessary to increase the quality of the education imparted in engineering.

The IQAC is meant for planning, guiding and monitoring Quality Assurance (QA) and Quality Enhancement (QE) activities of the Institution. The IQAC channelizes and systematizes the efforts and measures of the Institution towards academic excellence.

The Institution has an active Quality Advisory Cell (QAC) and an Internal Quality Assurance Cell (IQAC). The main objective of this cell is to frame the guidelines for the betterment of both the academic and the administrative development of the Institution.

Quality is the need of the hour and Quality of any institution is the key to success. The fittest of the fit survive and thus the IQAC of VTMT is involved in key designing, monitoring and maintenance of the quality circle in the academic arena.

The success of any progress stands on its consistency. Thus, IQAC monitors periodically the progress of the academic systems, its implementation and carries out a thorough analysis based on the feedback received from all its stakeholders.

The Curriculum is designed to ensure that the students possess the knowledge and the skills on the required domain. The factors considered for design of curriculum are: (i) Syllabus of various reputed Indian and International Universities (ii) Model curriculum prescribed by AICTE, (iii) The Program Specific Outcomes of professional bodies, (iv) Suggestions by industry experts and alumni, (v) Syllabi of various competitive exams like GATE, IES, etc,

Implementation of Outcome Based Education (OBE) in the Curriculum:

- The first phase for ensuring academic quality is the design of the curriculum, which includes the types of courses, the number of electives, and the curricular structure, with complete details of the course title and course contents as per the regulations.
- The next phase, the Course Outcomes (COs) for every course is mapped with the Program Outcomes (POs) of NBA and the Program Specific Outcomes (PSOs) of the program.
- The Institute keenly observes the attainments of PEO, PO and PSO for the respective programs which intern relates to Vision and Mission of the institution and Department as well.

IQAC stands as the backbone in the teaching and learning goals that is inculcated in the Institution's strategic plan. IQAC ensures that all the teaching and learning resources available in the institution are utilized to its maximum for the benefit of the students and in whole for the development and the growth of the Institution. The IQAC continuously reviews and takes steps to improve the quality of the teaching-learning process.

The Institution has always been encouraging its faculty members to use ICT enabled tools for the best outcome of the Teaching-Learning process including online resources for effective teaching and learning process.

There are 25 ICT enabled classrooms in the campus. The campus is Wi-Fi enabled. There are 10 Seminar Halls which are well equipped with ICT facilities, there are 2 conference halls. Both again are well equipped with ICT facilities. There is a separate E-Learning centre helps the teachers in developing e-content in different subjects. Some of the tools used by the faculty for Teaching-Learning are LCD Projectors, Video Conferencing, MOOCS and e-learning technology.

The Academic Calendar is prepared in advance, displayed and made available in the Institution website and is also circulated to the students at the beginning of every academic year. IQAC ensures that the Academic Calendar is strictly followed as per the guidelines laid.

The Research Wing of the Institution serves as a platform for knowledge dissimulation, interdisciplinary research and collaboration. Faculty members and the students are highly benefitted through this forum. A separate committee called Research Development Wing is formed with one Senior Professor as the Head of the Committee. This forum is to enlighten the ideas rolling around of various departments and concepts. The forum discusses on the technological developments and the scope to carry out projects on the same. All Faculty members are encouraged to undertake sponsored projects from external funding agencies. All Faculty members are provided with independent responsibility to undertake the execution of research projects. The Research Wing of the Institution ensures that the Faculty members are provided with necessary support from the institution in terms of Infrastructure, Computational Facilities for implementing research projects.

Students who join the institution in the first year are made mandatory to undergo the 3-week Orientation Program. During the 3-week period, special guest lecturers from eminent personalities from outside are invited to share their experiences with the budding engineers. These sessions are mainly on Motivation and Confidence Build-up Exercises that are shared with the students. These sessions inculcate positive attitude and competitive spirit among the students.

Feedback from students is also taken individually by teachers for their respective courses and also directly through IQAC. Students are also free to approach the Head of the Institution for feedback and suggestions. Feedback is properly analyzed and shared with the Head of the Institution, Head of the respective Department and with concerned individual faculty members.

The teaching-learning processes are reviewed, and improvements implemented, based on the IQAC recommendations.

The major initiatives taken over the last five years include the following:

- *Automation of Admission Processes - Provision for online fee payment*
- *Automation of Examination Processes*
- *Curriculum Development – Skill Development, Personality Development and Placement oriented subjects*
- *Green initiatives in Campus – tree plantation, medicinal plants, solar system etc.*
- *MoUs with prestigious Institutions*
- *Projects to Patents – Student Journey in Innovation*

Links:

IQAC Link:

Quality Assurance Initiatives:

Student Feedback -https://docs.google.com/forms/d/e/1FAIpQLSd6oLLNnwM2r-TBht-6qrm-JwOp8W7Yf6snwRrVQytC_zqOfQ/viewform

AlumniFeedback-

<https://docs.google.com/forms/d/e/1FAIpQLSdKe8TA51kB4KYhf3xkCz82qM4C-ITJIdP5TcKcmlxV4KwdEw/viewform>

Feedback on facilities (Parent Feedback)-

https://docs.google.com/forms/d/e/1FAIpQLSd6oLLNnwM2r-TBht-6qrm-JwOp8W7Yf6snwRrVQytC_zqOfQ/viewform

Class Committees Feedback- <https://docs.google.com/forms/d/e/1FAIpQLScUrWisFPu9-m-dKeJDMsselt5pztvHQAkQ4bgFDR9QT3gvcg/viewform>