**Reforms in Continuous Internal Evaluation (CIE) system:**

The syllabus and evaluation scheme are revised by the Mumbai University periodically to meet global standards and update students to latest trends in technology. Accordingly, the institute also makes reforms in CIE. According to the choice based scheme of syllabus, introduced by the university in 2016, the students are required to make mini projects in specific subjects every semester. The mini projects are evaluated by the subject teachers based on predefined rubrics.

As specified by the Mumbai University, the institute conducts two class tests for UG as well as PG students. The test marks are averaged and are available on the ERP for the students and for use by the exam cell. The model answers of the test papers are also available in the archive for the reference of the students.

At least two assignments are given to the students during the semester and evaluated based on predefined rubrics. In some subjects, tutorials are introduced and evaluated regularly. The term work marks allotted are available to the exam cell on the ERP.

The progress of the final year projects of UG is reviewed during the term periodically and evaluated by teams of teachers. The marks allotted are considered while allotting the term work marks.

**Mechanism of internal assessment is transparent and robust in terms of frequency and variety:**

The institute follows the Mumbai University guidelines for the internal assessment of the theory and laboratory. Complete transparency is maintained in all forms of internal evaluations. Two tests are planned in the academic calendar and conducted during each term; one in the middle of the term and one in the end of the term. For the benefit of the students and for maintaining the transparency, the assessed test papers are shown to the students and discussed with them. The examination results are made available on the ERP.

After every class test, report cards of the students showing the test performance and the attendance of the students are sent to the parents by the class teacher. The report cards duly signed by the parents are later collected by the class teacher. In the case of the students having poor performance in the test and/or poor attendance, a parents and teachers meet is arranged to discuss about the students’ performance and ensure their well being.

The term work is based on the performance of the students in the laboratories as well as in the tutorial sessions. The laboratory sessions are assessed on weekly basis and evaluation of the journals is made in front of the students based on the rubrics assigned for the evaluation. The students are made aware of the rubrics in advance.

Similarly, the assignment assessment is done in front of the students and marks allotted according to the rubrics. The students are aware of the rubrics for assignment assessment.

The progress of the final year projects is reviewed twice in the semester and the project groups are evaluated. The marks awarded during these evaluations are displayed on the notice board and considered for evaluation at the end of the semester.

**Mechanism to deal with examination related grievances is transparent, time-bound and efficient:**

**College level grievances:**

To address the grievances of the students, the college has formed a Grievance Redressal committee (GRC). If the students are dissatisfied with any examination related matter, the same is put before the GRC. The GRC will address the matter in due course. The GRC also addresses the unfair means resorted to by the students.

**University level grievances:**

In case of dissatisfaction in the assessment of papers at the university level, the students can apply for revaluation and verification of marks. The university provides the photocopy of the answer books to the students on demand after paying requisite fees. After receiving the photocopy of the answer-sheet, if the student wants, he/she can apply for reassessment of the answer book.

An aggrieved student who has the grievance at university level shall make an application to the university through the Principal of the college. The Principal, after verifying the facts, shall forward it to the concerned section of the university. The university redresses all such grievances within a reasonable time and the decision communicated to the students and the college.

**Student centric methods:**

The student centric teaching methods are adopted in order to simplify the learning and at the same time to broaden the scope of learning. The basic blackboard teaching method is blended with the following latest teaching and learning methodologies:

1. **Experiential learning:**

* **Project based learning:**

Students are given an opportunity to work on real time projects which teach them a practical approach to the designing and testing of the product. They also design and develop miniprojects as a part of laboratory session.

* **Activity based learning:**

The faculty adopt active learning through the following activities:

* Debates, group discussions, skits/role play, movies
* Model making: Machining Science and Technology,
* Hardware implementation as well as simulation of mini projects, presentations, case studies etc.
* Educational Games, Brain Storming Session
* **Field based learning:**

Field based learning like Industrial Internships, Industrial Visits, Remote Lab, case studies, simulations; design and implementation of softwares/apps etc as well as for seeking placement.

1. **Participative learning:**

* **Cooperative learning:**

Students work together to maximize their own and each others’ learning through think pair-share, poster presentation techniques.

* **Paper presentation and publication:**

Publishing papers helps the students to learn the technique of technical paper writing and presentation skills. Hence, students are encouraged to publish papers in esteemed journals and conferences.

1. **Problem solving methodologies:**

**Problem based learning:**

Students are encouraged to participate in various activities like project competitions, exhibitions, in which they learn to find solutions for complex and challenging problems. They are also motivated to take part in inter-disciplinary project development like Robocon (Team Robocon), Baja (Team Abadha), SAE Aero Modelling (Team Vayushastra), Formula Racing (Team CFR), Go-Karting (Team Avisrota), building Drones (Mavericks), Smart India Hackathon and other coding competitions etc.

Students are also encouraged to take competitive exams like GATE, GRE/TOEFL, IELTS, CAT, MBA CET etc as well as take up NPTEL, Coursera, Codecademy, Udemy etc courses. College has an access to the digital library with access to e-journals. College provides ample computing facility with internet connection and Wi-Fi connectivity for fast access to help the students to further enhance their knowledge.