



# TOMS COLLEGE OF ENGINEERING

A VISVESWARAYA GROUP INSTITUTION

## CURRICULUM PLANNING AND IMPLEMENTATION POLICY

### **Preamble:**

The Curriculum design, delivery, and assessment, the three major pillars of academic system is completely aligned in line with Outcome Based Education (OBE) to assess and evaluate the learning outcomes to facilitate the learners to achieve their Professional and Career Accomplishments.

### **College Academic Calendar:**

For effective Curriculum delivery and Outcome-based Education, Curriculum, Co-Curriculum, and Extra-Curriculum events are integrated into the College Academic Calendar in addition to the KTU Academic Calendar (OBE).

### **Departmental Academic Calendar:**

Departmental events, workshops, guest lectures, seminars, field trips, project reviews, parent-teacher meetings, campus recruitment training, skill development programmes, alumni meet ups, add-on programmes, and co-curricular/extracurricular activities for student enrichment are all included.

### **Induction Program:**

It is offered to help first-year students get over their reservations and build relationships with both the professors and their peers. In the curriculum, bridge courses and materials based on universal human values are also provided.

### **Quality Of Classroom Teaching:**

It is built around the delivery of content, engagement, discussion, use of current ICT tools and projects, and examples, applications, and applications. Teachers play a crucial role in inspiring students to engage with the material through a variety of teaching strategies and pedagogical activities.

### **Internships**

The internship should be finished during the winter or summer sessions, students are advised.



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## **Course File**

It includes the course objectives, syllabus, lesson plan, COs, POs, notes, assignments, assessment information, topic information outside of the syllabus, use of ICT, CO-PO mapping, and attainments.

## **Project-Based Learning (PBL)**

The institute promotes PBL to help students develop their problem-solving skills. Students in their last year develop project reports or dissertations and produce prototypes.

## **Tutorial and Remedial Classes:**

Weak kids take tutorial and remedial classes to help them perform better in school.

## **Student-Centric Advanced Teaching Techniques:**

Along with the traditional teaching techniques, teachers are urged to use student-centered learning approaches to deliver the curriculum, such as presentations, assignments, NPTEL lectures, group discussions, quizzes, seminars, projects, etc.

## **Subject Allocation**

To distribute the subjects to the faculties based on their preferences, experience, area of specialization, and past result analysis of the subject, the HOD organizes departmental meetings.

## **Student Counselling**

Every faculty member is given a group of students to mentor throughout the course, during which time the challenges, needs, and recommendations of the students are discussed in order to determine the necessary steps for the successful implementation of the curriculum and the development of the students' personalities. IQAC actively participates in academic planning and curriculum delivery oversight.

## **Conduct of Continuous Internal Assessment:**

The KTU criteria and the Bloom's taxonomy level are used to design the exam questions. Papers on exams were moderated by the department academic committee. The nature of the exam is descriptive. Assignments covering the remaining COs are given in addition to two Unit exams covering 4 COs. According to the evaluation criteria, subject teachers grade the answer sheets. Following evaluation, teaching members engage with all students, explaining the correct responses. Grievances from students will be addressed within two days.



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## Evaluation of The Project

The Project Review Committee assists in evaluating the Mini and Major Projects under the direction of internal guides. Project reviews are carried out in an organized manner.

### SAMPLE COPY OF EVALUATION SCHEME

Mark distribution

Total Marks	CIE	ESE	ESE Duration
150	50	100	3 hours

### **Continuous Internal Evaluation Pattern:**

Attendance 10 marks

Continuous Assessment Tests (Average of Series Tests 1 & 2) 25 marks

Continuous Assessment Assignment 15 marks

### **Internal (THEORY SUBJECTS) Examinations**

Each of the two internal examinations has to be conducted out of 50 marks. First series test shall be preferably conducted after completing the first half of the syllabus and the second series test shall be preferably conducted after completing remaining part of the syllabus. There will be two parts: Part A and Part B. Part A contains 5 questions (preferably, 2 questions each from the completed modules and 1 question from the partly completed module), having 3 marks for each question adding up to 15 marks for part A. Students should answer all questions from Part A. Part B contains 7 questions (preferably, 3 questions each from the completed modules and 1 question from the partly completed module), each with 7 marks. Out of the 7 questions, a student should answer any 5.

### **End Semester (Theory subjects) Examinations:**

There will be two parts; Part A and Part B. Part A contain 10 questions with 2 questions from each module, having 3 marks for each question. Students should answer all questions. Part B contains 2 questions from each module of which student should answer any one. Each question can have maximum 2 sub-divisions and carry 14 marks.

### **Internal & External (Practical Subjects) Examinations**



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Continuous Internal Evaluation Pattern:

Attendance: 15 marks

Continuous Evaluation in Lab: 30 marks

Continuous Assessment Test: 15 marks

Viva-voce: 15 marks

Internal Examination Pattern:

The marks will be distributed as Algorithm 30 marks, Program 20 marks, Output 20 marks and Viva 30 marks. Total 100 marks which will be converted out of 15 while calculating Internal Evaluation marks.

End Semester Examination Pattern:

The marks will be distributed as Algorithm 30 marks, Program 20 marks, Output 20 marks and Viva 30 marks. Total 100 marks will be converted out of 75 for End Semester Examination.

## **INTERNAL & EXTERNAL (DRAWING SUBJECTS) EXAMINATIONS**

### **Continuous Internal Evaluation Pattern:**

Attendance : 10 marks CIA for section A carries 25 marks (15 marks for 1 test and Class work 10 marks) CIA for section B carries 15 marks (10 marks for 1 test and Class work 5 marks)

### **End Semester Examination Pattern:**

ESE will be of 3 hour duration on A4 size answer booklet and will be for 100 marks. The question paper shall contain two questions from each module of Section A only. Student has to answer any one question from each module. Each question carries 20 marks.

### **Internal and external (projects) Viva Voce**

### **Distribution and weightage of marks**

### **Design Project**

Each student or a group of students has to take up a design project. The project topic could be arrived at in consultation with any faculty member in the department. The Evaluation of the project will be done in two stages. Two project progress evaluations each carrying 20 marks and a final report evaluation and presentation of the project for 60 marks. The project supervisor and two other faculty members from the same or any other department, nominated by the Head of the Department form the evaluation board.



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## Final Semester Project

Students, either individually or in a small batch not exceeding four, have to do a project approved by their faculty supervisor.

Evaluation scheme is given below:-

- i) Two progress assessments : 20% by the faculty supervisor/s
- ii) Final Project Report : 30% by the Assessment Board
- iii) Project presentation and Viva : 50% by the Assessment Board

If the project work is not completed satisfactorily, the student has to put in more work and appear again for assessment on a specified date, not earlier than one month after the first evaluation. If the student fails in the project, a fresh registration for the project for one semester is mandatory.



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