Decoding The Future of Education
with Thiagarajar College of Engineering and Camu Digital Campus

Overview

Thiagarajar College of Engineering is one of the most reputed Engineering and Technology Institutions in Tamil Nadu and across India.

Its vision is to provide world-class quality technical education that is rooted in strong ethical values.

The self-sustained institute first opened its doors in 1957, and since then, has grown to a strength of 4,300 students, 230 faculty members, and 200 administrative and supporting staff.

TCE governs 15 academic departments (offering 9 UG programs and 8 PG programs), 5 nodal research centres, an incubation centre, along with 50 working laboratories.

It is one of the only institutes to have received an autonomous status so early on in its journey, in 1987, with the academic freedom to design its own curriculum and manage assessments.

The Beginning of an Enduring and Fruitful Partnership

In 2015, the institute first began its association with Octoze Technologies.

"Camu Digital Campus was introduced for its fully flexible Choice–Based Credit System (CBCS), initiated by the University Grants Commission (UGC), and future–driven Outcome–Based Education (OBE) model"

**Dr. S.J. Thiruvengadam,
Dean (Academic Process), TCE.**

In fact, TCE was one of the pioneers of student-centric education, building an environment that fostered independent thinking and choice, where students were given the freedom to select their own courses and teaching faculty.

TCE and Camu worked alongside to create impact and set the tone for CBCS and OBE today.

Both were equally committed to making teaching and learning more inclusive.

Nurturing an In-House ERP Solution

In 2019, the institute developed its own Enterprise Resource Planning (ERP) solution.

While the solution was still at a nascent stage, TCE decided to give its in-house software a chance rather than looking outward.

The ERP consisted of the following modules:

1. **Admissions**

2. **Academic Planning**

3. **Attendance**

4. **Assessments**

5. **Accounts**

The challenge was that while these modules worked well independently, they were unable to integrate with one another seamlessly.

For each module, there was the need to maintain a separate student and faculty database, along with other important information.
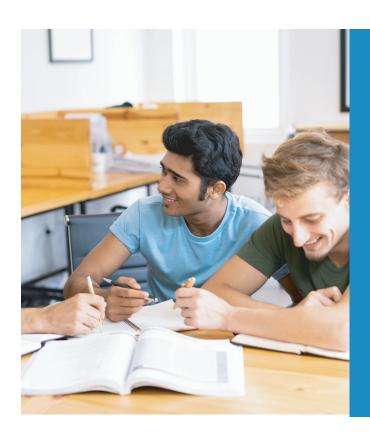
Camu, The Intersection of Education and Technology

In 2022, TCE decided to expand its partnership with Camu and adopt the natively integrated Learning Management System (LMS) and Student Information System (SIS).

The primary reason for switching from its in-house software to that of Camu's was the added benefits of data integration and interoperability.

Having been associated with the platform for 7 years, the institute was well aware of its ability to streamline academic and administrative processes efficiently.

Right from enrolment to graduation, all modules were integrated into one centralised database.

Upgrading To a Full Suite of Services

TCE adopted the following modules from Camu and was rewarded with a smooth implementation cycle.

Admissions
Online Applications (compliant with government norms)

Academic Planning
Attendance Tracking, Course Registration, Timetable Creation

Assessments
Absolute Grading & Relative Grading

Accounts
Automated Billing, Integrated Payment Gateways

Reporting
Attendance Reports, Daily Admissions Reports, Student Demographic Reports

Mentoring
Based on Student Flow Chart (Student Progression, Completed Courses, Grades)

The institute's main concern was one of data migration, which is the process of transferring data from one storage system or computing environment to another.

But with comprehensive training and continuous support from the Camu team, TCE migrated from their own software modules to Camu's, quickly and easily.

Benefits of a Natively Integrated System

While there has been some resistance to change among faculty members, the prevailing consensus is that Camu, as a comprehensive integrated system, offers compelling benefits. **Currently, there are about 50 faculty members actively using the MyCamu app and this number is steadily growing. They have experienced significant benefits in the form of improved operational efficiency and time savings.**

Students are also depending on the platform to enrol for courses, access study material, submit assignments, view their grades, and even, pay their fees.

The stand-out features and benefits of the platform include:

- Singular database of students and faculty members **freeing the institution of data integration issues.**

- Effective and quick implementation of the **Relative Grading System.**

- Thousands of applications for admission to UG and PG programs **efficiently processed yearly.**

- Resource-savings and **time-savings in timetable generation.**

- Subject-wise attendance tracking, with **provision for identifying unrecorded attendance.**

- Close tracking of non-payments and **partial payments of fees.**

- Effortless and timely report generation and **viewing of dashboards.**

- Comprehensive student **profile summaries for better decision-making.**

- Holistic mentorship and **guidance for structured course planning.**

- Active platform usage and **growing acceptance from faculty members.**

- Easy access to **course material, study timetables, and assessments.**

- Improved communication through the **Camu Communications module.**

- Operational efficiencies in the Controller of Examinations module resulting in **significant time-savings in marksheet processing.**

As TCE and Camu continue to co-create value within the education technology space, more institutions will be encouraged to adopt digital transformation best practices.

"We are excited and eager to witness what the future holds for TCE, as we usher in this new era of next–generation learning".
"Opting for Camu has been one of the smartest and most sustainable decisions we have made".

**Dr. S.J. Thiruvengadam,
Dean (Academic Process), TCE.**