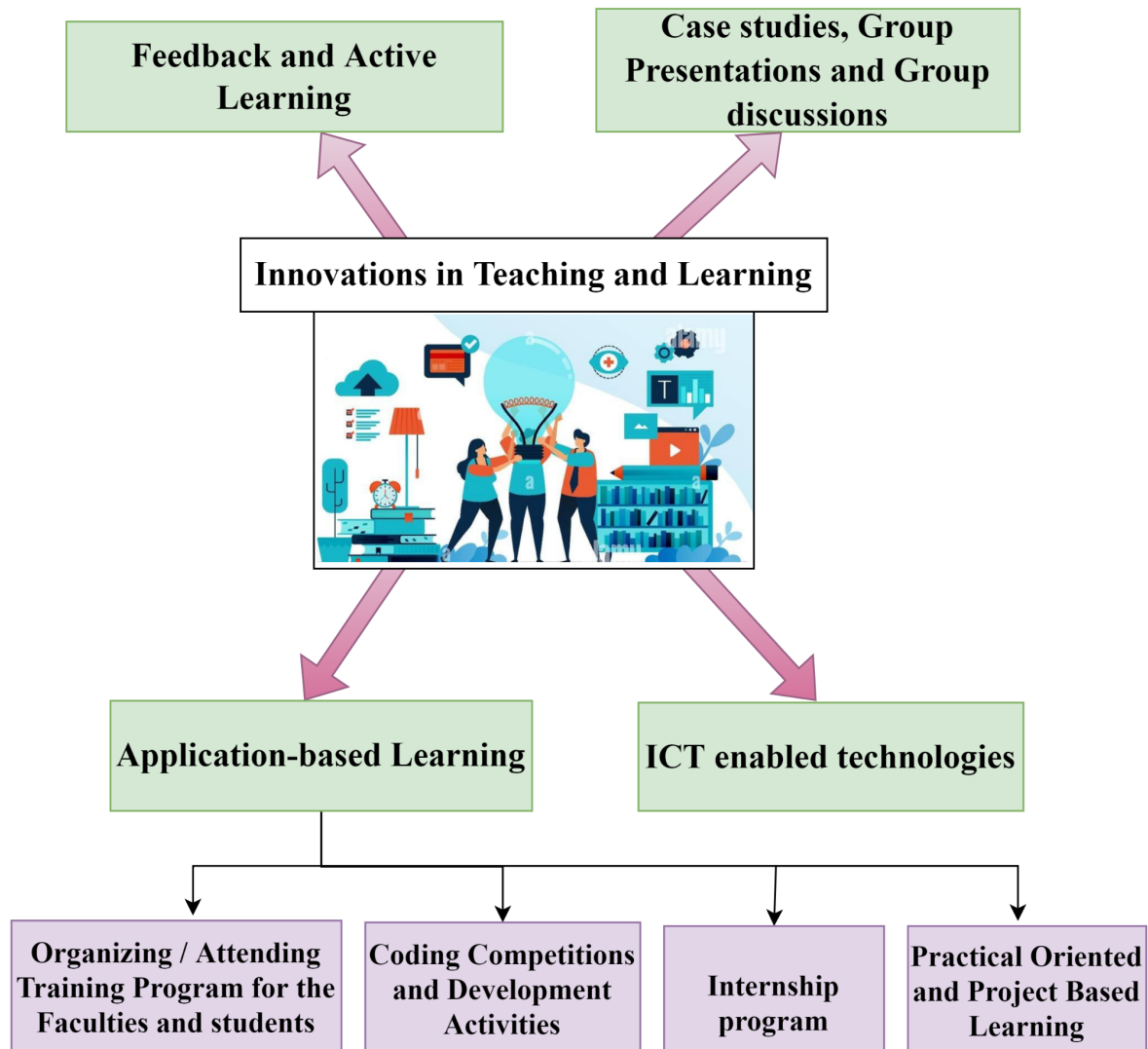


THADOMAL SHAHANI ENGINEERING COLLEGE

DEPARTMENT OF INFORMATION TECHNOLOGY

Innovations by the Faculties in Teaching and Learning



Feedback and Active Learning

Different innovative practices for promoting student involvement and participation like polls, quizzes, assignments and students' feedback are employed in the department to evaluate and ensure effective content delivery.

Case Studies, Group Presentations and Group Discussions

Case studies and presentations are assigned to the students in groups :

- to develop students' ability to work in groups.
- in understanding the application of domain knowledge.
- to develop confidence and relationships within students.

ICT Enabled Technologies

For Effective delivery of lectures, faculties:

- use audiovisual aids such as PowerPoint presentations and whiteboards.
- use animations and video clips to show real life examples during lectures.
- organize polls and quizzes for active student participation.

Application-based Learning

Organizing / Attending Training Programs for the Faculties and Students:

- Faculties are encouraged to organize and attend various FDPs, STTPs, online training sessions and other technical participatory events related to the curriculum to develop and update their knowledge.
- Students are encouraged to organize and attend various seminars, workshops, online training sessions and other technical participatory events related to the curriculum for greater involvement and overall development.
- Experts are invited from various colleges or industry to deliver lectures and hands-on sessions covering the curriculum and beyond.
- Organizing seminars and workshops on a frequent basis for the inculcation of culture, wisdom and knowledge.

Coding Competitions and Development Activities:

The Department promotes and lays emphasis on faculty and students to organize and participate in coding competitions, project expos, hackathons, and several development activities for inculcating innovative thinking in students (sometimes under the mentorship of faculty) and the development of collaborative and individual styles of learning. The

technical committees where faculty and students are involved are listed below.

- MAD Club
- Codestorm
- Entrepreneurship Cell

Internship Program:

Students are encouraged and guided by the faculties in choosing their internship program to understand current trends in the industry in the selected field.

Practical Oriented and Project-based Learning:

Several open-source tools are used to make the students understand the topics. Also, during practical sessions, students are made to realize the practical applications of topics covered during theory lectures. Students are mentored to develop socially useful projects in several mini-project oriented subjects.