

The Teaching -Learning Process:

The standard teaching-learning process in our college, is aligned with MSBTE and NBA norms, is rooted in Outcome-Based Education (OBE), focusing on 5-D approach (Define, Develop, Deliver, Document, and Determine future actions). It emphasizes student-centric pedagogy, including curriculum mapping, continuous assessment, practical skill development, and industry-aligned instruction.

Key components of the teaching-learning process include:

- ❖ **Outcome-Based Education (OBE) Implementation:**
 - ❖ **Defined Outcomes:** Defining clear Course Outcomes (COs),
 - ❖ **Programme Outcomes (POs),** and Programme Specific Outcomes (PSOs).
 - ❖ **Bloom's Taxonomy:** Using cognitive levels (remembering to creating) to set learning goals.
 - ❖ **Curriculum Mapping:** Ensuring all content maps to defined outcomes.
- ❖ **Teaching-Learning Methodologies:**
 - **Modern Pedagogies:** Using ICT tools, multimedia, simulations, and interactive boards in classrooms.
 - **Active Learning:** Incorporating group projects, industrial training, seminars, and quizzes to improve practical skills.
 - **Industrial Alignment:** Actively involving industry experts in curriculum design and review.
- ❖ **Assessment and Evaluation:**
 - **Continuous Assessment (Progressive Assessment):** Regular evaluation of practicals and theoretical understanding throughout the semester, not just final exams.
 - **End Semester Examination (ESE):** Final assessment of both theory and practicals.
 - **Feedback Mechanism:** Regular student feedback on the teaching-learning process, followed by remedial actions.
- ❖ **Academic Planning and Support:**
 - **Academic Calendar:** Strict adherence to schedules for teaching and examinations.
 - **Support Systems:** Specific methodologies for academic support, including mentoring for weak students and encouragement for bright students.
 - **Infrastructure:** Adequate labs, classrooms, and learning resources as per AICTE/NBA norms.
- ❖ **Faculty Development:**
 - **Training:** Faculty must undergo regular training (MOOCs, SWAYAM, FDPs) to upgrade skills.
 - **Qualification:** Maintaining qualified, industry-experienced staff.