



Kathir College of Engineering

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INSTITUTIONAL DISTINCTIVENESS

*A great trademark is
appropriate, dynamic,
distinctive, memorable and
unique*



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Kathir College of Engineering (KCE) focus on imparting skill in niche areas to our students with an emphasis on the basic engineering concepts. We introduce concepts, exercises and real world problems and encourage the students to think both on the questions and the answers. We do this digitally and interactively. We collect data and analyze the students at every level from their steps in solutions to their overall answer, and also the time intervals between solving problems and understanding concepts. Based on this continuous study, we provide guidance and help students overcome hurdles. We want to address students with an entrepreneurial bent as well. Thus we are developing our model to intrinsically make them independent in finding solutions to real world problems. In view of all this, ensuring competence of the faculty is essential and we spend no less energy or thoughts for ensuring the same. We continuously develop and evaluate the faculty. After college hours, although the faculty and students are geographically separated, digitally they are interwoven. The Artificial Intelligence driven intelligent report and data analytics make it easier for anyone to upskill cluster of learners. We have strategize our plan of action for each stake holder based on the requirement as follows:

For Students

- Providing thousands of ready to practice questions in their choice of course
- Providing individual students to challenge themselves by providing industry ready case studies
- Providing students to help group practice and teamwork
- Student assistance program by mentors from industries
- Assisting students for 24x7 remote learning

For Faculty members

- Enhances their knowledge through real time case studies from Industry
- Provides Innumerable questions, quizzes, exercises, tutorials, working examples to reinforce their teaching
- Helps to reduce their burden on the valuation of assignments and lab exercises, and improves their productivity
- Helps them to become facilitators

We could make ourselves free from the bigger disadvantage of our conventional education system in students' performance monitoring which is the most essential requirement of Outcome Based Education

Innovation

With conventional mode of Teaching Learning Practices the breadth and depth of learning would be decided by the old question papers. The students learn 'What to write in examinations' rather than learning 'how questions should be understood and how answers have got to be derived'. Ultimately students try to learn 'how to get a job'. In our institution classrooms instigate a learner, trigger him and entrusts him. He will explore learning using our platform which is a close ally and a companion for the learner. Tech enabled learning environment will help the students beyond conventional college hours exploring learning, learning to solve and learning to understand and internalize would happen. This results in creating technologically sound engineer who need not try to seek a job because such competent technocrats are always required as they make dent as performers.

Teacher will not be correcting the answer books, but our Ed-tech platform assists them in assessing every learner impartially and continuously. After implementing Tech-enabled Teaching Learning Practice we have experienced the real sensible assessment in continuous mode - the true continuous assessment. What is cherished is continuous learning and automatic continuous assessment of learning profile. Learnability is enhanced as it is also measured as well as monitored. Through following:

- Our AI driven Ed-Tech platform Leverages its inherent intelligence to extract volumes of data and analysis for better decision making
- Possibility of close monitoring of students on their learnability
- Shall Identify slow learners early for better hand holding
- Excellent audit trail features for taking decisions on various activities of learning
- Helps to build interactions with industry through Industry Connect Program

A philosophy we fundamentally believe in is that an explorative and active method of learning is essential for building a strong holistic conceptual foundation and also for the student to enjoy learning. Only with this joy among students can there be a possibility of something new. And for this something new to be sustainable and useful, a holistic and strong foundation imbibed in them is necessary. Our Process emphasizes this philosophy. Our institution wants to become autonomous and administer creativity in learning, ensuring continuous assessment and assessment all time, anytime and anywhere. It is planned to have our assessment to constructive feedback.

Outcomes

We at Kathir College of Engineering strongly believe that there is no shortcut to learning and perfecting. During the student life, one has to learn to be a lifelong learner. A teacher is pleasantly challenged to keep the learners on their toes. A learner is challenged to become problem solvers, rather than just rote-learning on what to write in the examination. We have clearly understood the real role to be played by the college to create each of our student as a problem solver. During our conventional Teaching Learning Practice we have faced the challenge of throwing minimum set (around 10) of practice questions framed with Higher Order Thinking skills to each student in classroom strength of 60 so that a faculty member will receive 600 solutions every day for evaluation. We realized that evaluating 600 responses precisely every day is next to impossible for a human and the need of an auto-evaluation tool which is built on artificial Intelligence platform. With our Artificial Intelligence driven Ed-Tech Platform we have done auto evaluation of most Teaching Learning activities by providing multi Skill Training - Knowledge, Design Skill, Analytical Skill and Testing Skill and fetched Interactive Reports facilitating Skill Gap Analysis and Skill Improvement of individual students. All the above said, intelligent process can be possible if and only if proper content - that is learning material is made available in a structured way. The quality time of our teachers is utilized in strengthening the subject content and in creating the inquisitive challenge for a learner to be put into our Ed-Tech platform.

