Innovation and creativity are fundamental to all academic activities. With the advancement in technology especially in the field of Information Technology, the college has also progressed from traditional approach to more creative and innovative ways of disseminating knowledge to the students. To help nurture creativity in learning process our staff uses several innovative methods. As part of the **crossover learning process**, the students of MJCET are required to take **Industrial visits**, which supports the development of their skills and collaborate with the industry. Students collectively conduct the field study and share their finding back in the class through seminars and participate in group discussions.

From the perspective of **incidental learning**, students are required to take up **mini projects** to develop the new ideas, or methods to implement something new. Since creativity is an active process necessarily involved in innovation, the same concepts learned in the mini projects are taken up further as a complete project in the final year.

In the traditional classroom, the learning concept is typically confined to a limited time. The teaching staff of this college uses innovative methods of disseminating knowledge to the students through **context based learning** which involves assignment submission, taking part in quizzes, online discussion on the subject

topics through the use of **online platforms**. Through this innovative learning method, the students have the flexibility of interacting with the teacher beyond the confinement of classroom time.

Teaching and Learning process involves challenges, refinement and improvement of the subject. The staff of the college uses **innovative teaching** approach to make students understand new concepts and broaden their perspective, and comprehend the subject domain without been constraint to classroom teaching. Most of the traditional presentation material may not be the effective teaching method for all students, since different students have different intellectual ability to grasp the subject, some students may be quick on the other hand some students may be slow learners. To overcome the above learning problem, the staff of MJCET creates **video lectures** in difficult topics which are uploaded on student's resources. For better understanding of the subject topics, **animations** are also incorporated in the video lectures. Apart from traditional classroom lectures, the use of video lectures creates a virtual learning environment and enables students to learn according to their own pace.

When the prospective student joins the institution, apart from regular course work in the first year, every student is required to attend the **video classes** where students are exposed to videos regarding technology evolutions, inspirational stories, etc.

The faculty also encourages the students to explore variety of **online databases** provided in the digital library and subscribed by MJCET to be in touch with the current trends and involve themselves in **Research and Development Activities**.

To be fair in assessing the attainment of course outcomes, the college has formulated the concept of computation of **Blooms Index**, which is a measure of difficulty of the assessment question such as Internal Assessment, Assignments, Quizzes, Tutorial and Case Studies.