# Innovations by the Faculty in Teaching and Learning

Faculty members have increasingly embraced innovative strategies to enhance teaching effectiveness and student engagement. These innovations reflect a commitment to adopting modern pedagogical practices, integrating technology, and fostering a learner-centered environment. Notable initiatives include:

1. Conducted motivational sessions and technical workshops on emerging technologies such as OpenCV, web and mobile app development, Python, Data Science, and Blockchain to promote industry-oriented product development.
2. Grooming Classes for improving student's technical knowledge with hands on Practice and with Project Development.
3. Formation of *DIV Club* to enhance student skills through competitions, seminars, and lectures.

4. Conducted Coding Competition and programming practice sessions for campus placement like Kascade, Code Rush.
5. Conducted Classroom Quiz Sessions to make sessions interactive and engaging, especially useful during pandemic times.
6. Collaboration with repudiated organizations and industries (MOU).
7. Faculty members taking classes using smart boards, LCD projector, develop power point presentations to deliver the contents in effective manner.
8. Regular industrial visit conducted for students to get familiar with environment of industry.
9. Faculty members have created and uploaded video lectures on YouTube.
10. Faculty learned latest technology from reputed online plate-form like NPTEL and delivered to students.
11. Students are actively encouraged to participate in national-level tech events, Hackathons, Tinkerathons, and live project platforms like Unstop, LeetCode, and HackerRank to gain real-world experience and foster innovation.
12. Students are motivated to access relevant resources, materials available in online learningplatforms e.g., NPTEL (MOOCs), YouTube educational channels, COURSERA, IBM cognitiveclass.ai, NDLI (National Digital Library of India), IIT Bombay Spoken Tutorial etc. to enhance their subject knowledge.
13. Students are encouraged to pursue research-based projects, present at conferences, and publish in scholarly journals.
14. To streamline academic communication, semester-wise groups are formed, and all relevant information is shared with students through Google Classroom/WhatsApp.
15. The faculty members provide hands on experience of using modern tools such as Jupiter Notebook, android studio and VS Code etc. to the students by undergoing the relevant Theorycourses.