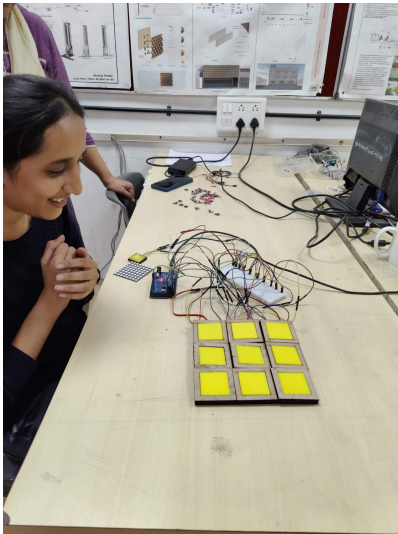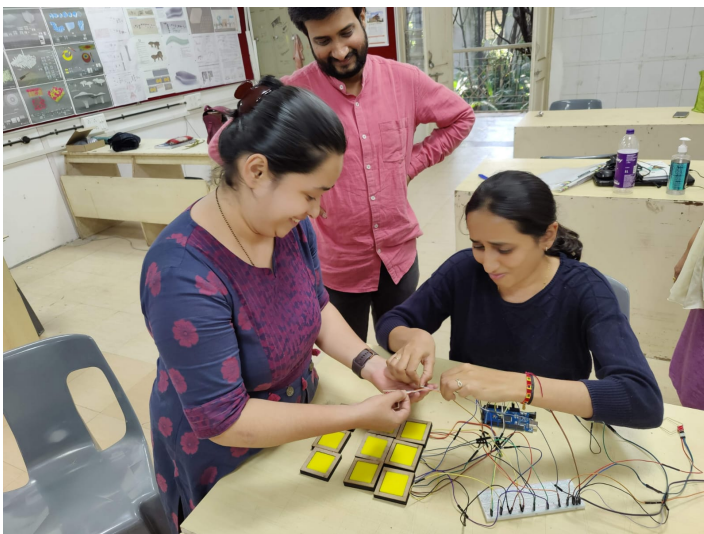# Key Indicator- 2.3 Teaching – Learning Process

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process.

In the *Automation Design* course for F.Y students of M.Arch Computer Application, during Sem II, students created an interactive panel that lights up in response to touch. This project was entirely student-led, covering the entire process from concept development to final assembly. The work involved multiple stages, starting with concept generation and 3D modeling, followed by CNC cutting and detailed epoxy work to build the panel's structure.

Students then integrated electronics, incorporating sensors and circuits that respond to touch. This required skill in soldering and circuit design, allowing them to gain hands-on experience with fundamental electronics and automation components. Each step, from design to assembly, was a valuable exercise in problem-solving and teamwork, highlighting the interdisciplinary nature of automation design.

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The interactive panel is now being used as a demonstration model in various workshops. This exposure allows students to showcase their work and engage with a wider audience, helping to explain the principles of automation and sensor-based interaction. This project has not only enhanced their technical skills but also provided practical insights into the process of creating responsive, automated systems.