

Course Delivery Methods using Pedagogical Initiatives:

Project based learning:

One of the notable recent pedagogical advancements undertaken by the department is the adoption of **Project-Based Learning (PBL)**. This instructional methodology employs a dynamic, student-centered classroom approach, enabling students to gain a deeper understanding of theoretical concepts while simultaneously enhancing their practical competencies. By engaging the students in projects that address real-world challenges, students are encouraged to extend and apply their engineering knowledge toward developing innovative solutions. Students are encouraged to carry out mini projects to apply their engineering knowledge from fifth semester onwards till seventh semester. Each student must take up mini project based on the core subject they learn in the current semester with help of faculty mentor. At the end of each semester projects are evaluated by the External Experts.

A team of 3 to 5 students works cohesively on a project/problem under the guidance of a mentor.

S.No	Project Title	Team Members
1	Intelligent Wireless Power Transfer System For Electric Vehicles Using AI	Sivaranjani S Sri Devikala B Swetha P Yogeshwari P
2	"A Gain-Enhanced Patch Antenna With A Periodic Microstrip Rampart Line"	Sanjai T Sarathy K Srikanth S Manikandan L
3	RFID-Based Embedded Robot Car For Human Tracking	Rajamohan S Saffiyulla D Sanjeev S
4	"Stepped Impedance Microstrip Low Pass Filter For 6 Ghz Microwave Applications"	Pragatheeshwaran S Subash S Surya S Praveen Kumar L
5	Aadvanced AI Humanoid Epigenetics Nanobot	Raja Rohit Kumar Sah Suthin Krishna Ps Pailayaswanth Kumar Kathiravan

Glimpses:

