



DRS. KIRAN & PALLAVI PATEL GLOBAL UNIVERSITY

Established Under Gujarat Private Universities (Amendment) Act, 2021 (Gujarat Act No. 15 of 2021)

KRISHNA SCHOOL OF EMERGING TECHNOLOGY & APPLIED RESEARCH (KSET)

KPGU
Vadodara

Capacity Building Program on Emerging Technology

A National Level Training Program for Engineering Students

Date of Event: 16th February and 17th February 2026

Tracks (Emerging Technology Focus)

- **IoT Technologies for Smart Infrastructure & Digital Transformation**
- **Cyber Security for Resilient and Trusted Digital Systems using AI**
 - **Advanced Full-Stack Development using MERN Frameworks**

Track and Speaker	Track 1 IoT Technologies for Smart Infrastructure & Digital Transformation	Track 2 Cyber Security for Resilient and Trusted Digital Systems using AI	Track 3 Advanced Full-Stack Development using MERN Frameworks
Speaker:	Dr. Dhairya Vyas	Mr. Chintan Desai	Dr. Akil Surti
Convener	Dr. Rocky Upadhyay and Ms. Apoorva Shah		
Coordinator	Ms. Jalpa Bhatt, Ms. Ankita Kothari and Ms. Jayshree Ranoliya		
Coordinator	Dr. Shivam Upadhyay Ms. Harsha Neema Ms. Monali Parikh	Ms. Dhara Parikh Ms. Hiral Patel Ms. Arohi Patel	Ms. Sonia Panesar Ms. Revika Kothari Ms. Shivani Mistry
Venue	M209	Internet Lab	I104
Day 1: 16 / 02 /2026			
9:30 am-10:30 am	Registration and Inauguration		
11:00 am-1:15 pm	Session 1 Introduction to IoT and its Applications	Session 1 Foundations of Cyber Security	Session 1 Overview of MERN
1:15 pm-2:00 pm	Lunch break		
2:00 pm-5:00 pm	Session 2 ESP8266 Overview and Setup	Session 2 Cyber threat landscape	Session 2 Build REST APIs (CRUD: Create, Read, Update, Delete)
Day 2: 17 / 02 /2026			
10:00am-12: 00 pm	Session 1 IoT Communication Protocols	Session 1 Network Security & Ethical hacking methodology	Session 1 React basics
12:00 pm-12: 45 pm	Lunch break		
12: 45 pm-2:45 pm	Session 2 Connecting to the Cloud	Session 2 Cryptography basics	Session 2 Integrate session-based authentication middleware with express-session
2: 45 pm-3:00 pm	Tea break		
3:00 pm - 4:00 pm	Session 3 IoT Security and Best Practices	Session 3 Cyber laws and ethical boundaries	Session 3 Advanced Development
4:00 pm - 4:30 pm	Quiz		
4:30 pm - 5:00 pm	Valedictory Session		