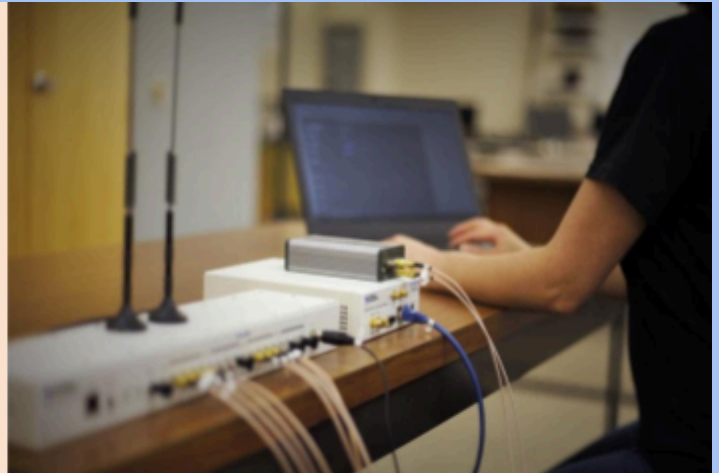# IIT Jodhpur Skill Development Program on MATLAB/Simulink and Software-Defined Radio (SDR)-Based Communication Systems Design

### Organized by Department of Electrical Engineering, IIT Jodhpur

**14th - 15th March 2026 (Online Mode: Modelling and Simulations)**

**+**

**21st - 22nd March 2026 (Hybrid Mode: SDR Hands-On)**

## Program Overview

In an era of rapidly evolving wireless communications and digital signal processing, industry and academia demand engineers who can design, simulate and implement communication systems with confidence. This intensive skill-development program aims to bridge the gap between theory and practice by providing hands-on exposure to MATLAB/Simulink modelling and real-world implementation of software-defined radio (SDR) based systems.

## Who Should Join

- Undergraduate and postgraduate students from Electrical/Electronics, Telecommunication, Computer Science, Instrumentation and allied disciplines.
- Early-career engineers and researchers working in communication systems, signal processing, wireless modules, IoT or SDR platforms.
- Faculty members and Lab technical staff seeking to upgrade their hands-on and teaching skills in MATLAB/Simulink and SDR-based communication system design.
- Industry professionals aiming to up-skill in practical wireless communications and prototyping workflows.

## Benefits to Participants

- Gain practical experience of building and deploying communication systems, beyond theoretical coursework.
- Enhance your employability in wireless R&D labs, SDR prototyping environments, telecom industry, IoT product development.
- Acquire model-based design skills: the ability to model in Simulink and deploy to hardware is highly valued in research and industry.
- Opportunity to engage with peers and experts, network within the IIT Jodhpur ecosystem, and work on a project you can showcase.
- Build a foundation for further research in cutting-edge topics like 5G/6G physical layer.

## Last Date for Registration
10/03/2026

## On-campus Venue
EE Seminar Hall, Department of Electrical Engineering
J C Bose Building, IIT Jodhpur

## Course Website
Scan the QR or visit the link at the bottom

## Contact Us
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For more details visit: https://sites.google.com/iitj.ac.in/iitj-skill-development-program/home