

MKSSS

Maharshi Karve StreeShikshanSamstha (MKSSS) was established in 1896 by Bharat Ratna Maharshi Dhondo Keshav Karve, to provide education to women and make them self-reliant. MKSSS aims at "Empowerment of Women through Education" as Maharshi Karve believed that "Women's Education & National Development are complementary to each other." In the beginning, he started the "Anath Balikashram", with an objective to provide education to child widows. The Anath Balikashram started functioning from 14th June 1896. The first building of the Institution was a tiny hut constructed on a small piece of land in Hingne, at a distance of about 4 km, from Pune. In the beginning, only 4 girls were admitted and started getting education in this Kutir (hut). Currently, MKSSS has campuses all over Maharashtra, where more than 32,000 girl students are taking education. Over the period of last 125+ years, the Institution has grown manifold and it is running 64 educational units at present. These units are located at Pune, Satara, Wai, Ratnagiri, Nagpur & Kamshet and are exclusively for girls.

Institute

Maharshi Karve StreeShikshanSamstha's Cummins College of Engineering for Women, Nagpur is the leading engineering institutes in central India. The institute aims at delivering quality education through innovative practices and quality placements through Industry Interaction and support. It is spread over 22 acres in the lush green environment near the bank of river Vena at Hingna in Nagpur district. It is affiliated to RTM Nagpur University, Approved by AICTE and

NAAC accredited with A+ Grade. The institute was established in the year 2010 with the generous financial grant from Cummins India Limited. It has made remarkable progress in the past decade and still going strong with the new achievements in Academics and Placements. It offers engineering education in Computer Engineering, Electronics & Telecommunication Engineering and Mechanical Engineering.

Chief Patrons

Dr. P. V. S. Shastry, Secretary MKSSS.

Dr. Dhananjay Kulkarni, Chairman Nagpur Prkalalp.

Mr. Hemant Ambaselkar, LMC Member Nagpur.

Mr. Makarand Karkare, LMC Member Nagpur.

Mr. Shrikant Gadge, LMC Member Nagpur.

Patrons

Dr. Milind Khanapurkar, Principal.

HOD

Dr. Jaya Raut, Associate Professor

Coordinator

Dr. Kanchan Wagh, Associate Professor

Co-Coordinator

Prof. Anand Deshkar, Assistant Professor

Organizing Committee

Prof. Pallavi Tanksale

Prof. Sabyasachi Bhattacharya

Prof. Amit Tripathi

Prof. Tushar Joshi

Prof. Anilkumar Bavaskar

Dr. Amol Morankar

Prof. Dilip Kapse

Prof. Sayali Halde



AICTE Training & Learning (ATAL) Academy

ATAL FDP 2025-26 (Offline)

Advancing Frontiers in Antenna and RF

Design: Bridging Theory and Practice

Application No : 1743152731

November 24 to 29, 2025



Organized by

Department of Electronics &
Telecommunication Engineering

MKSSS's Cummins College of Engineering for
Women, MoujeSukli (Gupchup), Hingna,
Nagpur, Maharashtra, India. Pincode – 441110
Website: <https://www.cumminscollege.edu.in>

Department

The Department of Electronics and Telecommunication Engineering was established in 2010. It offers undergraduate program (B. Tech) in Electronics and Telecommunication Engineering course affiliated with RTMNU Nagpur. The department has well qualified and motivated faculty members and support staff. The laboratories are adequately equipped with state-of-the-art facilities. The department is undergoing vigorous growth in emerging areas of Embedded Systems Design, VLSI & RF Antenna Design, IoT, Drone, ARVR and Wireless Communication Systems. The department is actively involved in R & D as well as consultancy projects and has collaborations with several industries CIL, HCL, academic institutes, and R&D organizations such as DRDO in the country. CIL has funded campuswide licenses for MATLAB, HFSS, AWR, Lab View, ARVR whereas HCL has funded drone laboratory. DRDO funded research project on design and fabrication of RF antenna for defence applications.

FDP

The FDP on Antenna & RF Design aims to develop skilled manpower in the rapidly evolving and high-demand field of Antenna & RF Design. The six-day program is designed to enhance the knowledge of participants by providing exposure to core concepts, cutting-edge technologies, and practical applications in this domain.

It's a specialized training initiative designed to enhance the knowledge and practical skills of faculty members, researchers, and industry professionals in the domain of

Antenna & RF Design. The program blends theoretical foundations with practical design methodologies and hands-on simulations and fabrication as well to ensure a well-rounded learning experience.

Topics Covered

Smart Antennas for 5G & 6G Applications
Design of MIMO and UWB Antennas
Design of Reconfigurable Antennas
Antennas for Defence Applications
Design and Development of Satellite Antenna
Application specific antenna designs: issues and challenges.
Antenna Fabrication & Testing RF Survey
RF Power Amplifier Design
Design of Microwave Integrated Circuits for 5G Applications
RFIC & MMIC Design
Case Study 1: Securing Government Research Grants
Insights from DRDO Project
Case Study 2: Rf component design example

Resource Person

Dr. Milind Mahajan, ISRO, Ahmedabad
Dr. V. Shriniwasa Rao, DRDO, Hyderabad
Dr. Jayanta Mukherjee, IIT Mumbai
Dr. Asmita Dani, California
Dr. V. Ratnaparkhi, Tejas Networks Ltd., Bangalore
Dr. Kasturi Patil, ARK Info Solutions Pvt. Ltd. Bangalore
Dr. Ashwin Kothari, VNIT, Nagpur
Dr. Abhay Gandhi, VNIT, Nagpur
Dr. P. L. Zade, YCCE, Nagpur
Mr. Aniruddha Kulkarni, RF Aqua Solutions, Pune

Outcomes

Understand Fundamental Concepts
Design and Analyze Antennas, RF Circuits & Systems
Evaluate Antenna Performance
Integrate RF Design Methodologies
Promote Research and Innovation
Enrich Academic Delivery

Participants

Academicians, Scientists, Industrialist, Research Scholar, UG / PG Students. All participants are required to upload their identity card and NOC from their approving authority for attending FDP, to register to FDP. No Fees for Registration through ATAL Portal

Important Dates

Last Date of Registration: October 27th 2025
Confirmation to Participants: November 5th 2025
FDP Dates: November 24th to 29th 2025

Selection Criteria

Selection will be based on first come first serve basis to a maximum number of 50 participants. The list of selected participants will be intimated through email on / before November 5th 2025.

Eligibility Criteria for Award of Certificate

- Attendance: Minimum 80%, weightage: 10%
- Article summary per team, weightage: 10%
- Project / live industry problem solving, weightage: 40%
- Report / outcome of industry visit, weightage: 25%

Contact Details

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