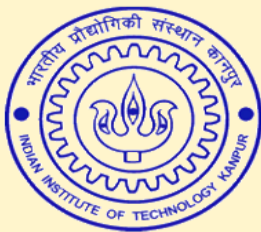


# PYTHON + MATLAB-Based 5G Wireless Technologies: Massive MIMO, mmWave, NOMA

27<sup>th</sup> July to 30<sup>th</sup> July, 2023 in Bengaluru

Organized by IIT Kanpur, in association with Ramaiah Institute of Technology

PYTHON + MATLAB-  
Based 5G Wireless Tech-  
nologies: Massive MIMO,  
mmWave, NOMA



## Important Dates

### School Dates

27<sup>th</sup> July to 30<sup>th</sup> July, 2023

### Last Date for Registration

19<sup>th</sup> July, 2023

## Venue

Ramaiah Institute of  
Technology Bengaluru

## Contact

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Welcome to the **IIT Kanpur** school on **PYTHON + MATLAB-Based 5G Wireless Technologies: Massive MIMO, mmWave, NOMA**. This is a unique cutting edge project based training school that will be held in **Bengaluru** and feature exhaustive lecture modules and several **PYTHON/ MATLAB** projects/ case-studies on the latest **MIMO, Massive MIMO, mmWave MIMO, NOMA** technologies for 5G. Participants will be able to gain in-depth knowledge of **PYTHON/ MATLAB** programming and practical hands-on experience of working on state-of-the-art **5G projects**. This in-depth school is the first of its kind that will feature comprehensive and extensive coverage of all the 5G technologies with intensive projects and detailed analysis. A distinguished speaker from industry will deliver an invited guest lecture on state-of-the art wireless technologies. All details related to lecture modules, projects and distinguished invited lecture can be found in the [Program](#) section

## How does this program benefit YOU?

**UG/ PG students:** Learn the latest 5G technologies through **PYTHON/ MATLAB** projects to prepare for placements in top tech companies!

**PhD Scholars/ Faculty members:** Create **PYTHON** and **MATLAB**-based courses, online labs or use the knowledge for projects/ thesis in 5G MIMO, Massive MIMO, mmWave MIMO, NOMA technologies!

**Industry Professionals:** Learn practical **PYTHON + MATLAB** implementation for simulation and analysis of modern 5G systems via extensive lecture modules and complementary projects!

## Important Note:

Please note that this is an **OFFLINE school** and will be held in **Bengaluru** on the campus of Ramaiah Institute of Technology. This is an exciting opportunity to visit the technology hub of Bengaluru!

## Target Audience

- Ph.D. scholars pursuing research in wireless communication
- M.Tech/ B.Tech students in ECE and CS
- Faculty members of Engineering Institutions/ Universities
- Engineers from Wireless Industry and R&D Organizations

For more details and registration information, visit the website  
<http://www.iitk.ac.in/mwn/BANGALORE5G>