Sub: IITK Nextgen Training and Research School (NTRS) on PYTHON + R Projects for 5G Wireless Technologies

Dear All,

Welcome to the IITK Nextgen Training and Research School (NTRS) on PYTHON + R Projects for 5G Wireless Technologies. These latest project-based training programs will feature exhaustive PYTHON + R training modules and daily PYTHON/ R projects for case studies of all the key 5G wireless technologies such as Multi-user, Massive MIMO, mmWave MIMO, NOMA, Cooperative, Cognitive Radio technologies. Participants will also be able to thoroughly learn the modern PYTHON and R programming languages starting from basics. Each theory module will be followed by state-of-the-art PYTHON and R-based projects for design, simulation and analysis of 5G systems. There are a total of 18 PYTHON/ R projects in each program! The school comprises of two independent programs below

PYTHON + R Projects for 5G MU Massive MIMO and mmWave MIMO 15th to 26th February 2021

PYTHON + R Projects for 5G NOMA, Cooperative and Cognitive Radio 8th to 19th March 2021

More information about this course, detailed list of topics, PYTHON/R 5G projects and schedule can be found at

https://www.iitk.ac.in/mwn/NTRS/index.html

How does this program benefit YOU?

UG/ PG students: Learn the latest programming techniques in PYTHON, R together with principles of 5G technology for projects/ thesis and also gain an edge in the job market

PhD Scholars/ Faculty members: Advance your research to the next level with PYTHON and R programming skills and also establish labs or guide projects based on PYTHON and R programming for 5G

Industry and R&D personnel: Enhance your skills by learning about the principles and algorithms for 5G technology along with highly efficient implementation of these technologies using open source PYTHON and R program modules

Master the latest 5G Technology and PYTHON/ R Programming to advance your career

Experience our unique Project-based hands-on learning approach for leadership in 5G technology!
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To learn all the principles of Linear algebra for ML, wireless, data science at one place
https://onlinecourses.nptel.ac.in/noc21_e33/preview

Fundamental course on signals and systems for all UG students and those preparing for competitive exams/ interviews
https://onlinecourses.nptel.ac.in/noc21_e02/preview

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