About STTP

The STTP aims to provide an interactive platform on latest trends in 5G and AI, the core essentials of current research evolutions enabling faculty to widen their spectrum of knowledge and formulate socially acceptable and economically viable solutions for the challenging requirements in the field of science and technology. 5G wireless technology aims to provide extremely high data rates with support for massive device density and ultra-low latency. Massive Multiple-Input Multiple-Output (Massive MIMO) is a Cutting Edge Technology that can significantly enhance the throughput while also supporting a large number of users. In addition, with 5G helping in the background online simulations for analysis, reasoning, data fitting, clustering and optimizations, AI will become more reliable and accessible at the speed of light.

The Phase III STTP deals with the applications and emphasizes on various use cases of Deep Learning Techniques for MIMO and Signal Processing.

About GRIET

GRIET is a premier institute of engineering established in the year 1997 under the patronage of Gokaraju Rangaraju Educational Society. GRIET, affiliated college under JNTUH is approved by AICTE and accredited by NAAC and NBA. The College was ranked at 172nd Place in 2020 by MHRD, under NIRF and Bank – A (6th to 25th Ranks) in Atal Ranking of Institutions. DSIR has conferred SIRO recognition to Gokaraju Rangaraju Educational Society and is Platinum Rated by AICTE-CII Survey. The mission of GRIET is to achieve and impart quality education with an emphasis on practical skills and social relevance. GRIET strives to provide state-of-art infrastructure.

Department of ECE

Department of Electronics and Communication Engineering was started in 1997 and is one of the largest departments of GRIET. Department offers 1 UG Program (B.Tech-ECE) and 1 PG Program (M.Tech-VLSI), with a present intake of 300 UG and 18 PG students per year. All the programs are accredited by NBA under Tier-I. The department undertakes consultancy projects for industries and actively involved in various research projects worth Rs. 1.10 Crore funded by AICTE, DST and other organizations.

GOKARAJU RANGARAJU
INSTITUTE OF ENGINEERING AND TECHNOLOGY

AICTE
sponsored

SHORT TERM TRAINING PROGRAMME (STTP)
on

AI-MIMO

millimeter (mm) wave and Massive MIMO
Applications for 5G
Wireless Networks using AI

(Phase-III)
Hands-On: Deep Learning Techniques for
MIMO and Signal Processing

25 January - 01 February 2021
Organized by
DEPARTMENT OF ECE

ADDRESS:

Laila Hills, Bachupally, Nizampet, Hyderabad.

Telangana, India-500090.

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Dr. M Surender, NIT Puducherry.

Dr. Kamal Captain, SVNIT, Surat.

Registration:

Free for faculty members from AICTE approved Institutions. Participants limited to 100.

Criteria for Course Completion Certificate:

Certificate to be given to only those participants who secure more than 60% in online quiz and have minimum 80% attendance.

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Expected Outcomes:

• Dissemination of information on practical 5G Cellular Networks.

• In-depth exposure to Advanced Wireless Techniques behind the successful development of modern 4G and 5G systems.

• Create awareness on usage of AI methods for mmWave Technology. Plan curriculum in MIMO courses and stand up to the paradigm shift of evolution of 5G communications.

• Envision designing of   AI based Massive MIMO systems. Developing projects and proposals for social and economic development.

Target Audience:

• Open to all Engineering Faculty, Students and Research Scholars who wish to excel in the state of the art technologies involving 5G and AI.

Registration Link:

https://forms.gle/yggsgwHsmUzCS78v5

TO REGISTER:

Scan the QR Code