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.

About College

Gokaraju Rangaraju Institute of Engineering and Technology (GRIET) is established in the year 1997 with a noble vision by Dr. G Gangaraju as a Self-Financed Institute under the aegis of Gokaraju Rangaraju Educational Society. GRIET is approved by AICTE, New Delhi, permanently affiliated to and autonomous under JNTUH, Hyderabad. GRIET is committed to quality education and is known for its innovative teaching practices.

Department of ECE

The Department of ECE started in the year 1997. The department offers B.Tech ECE as UG Program and VLSI System Design as PG Program and both are accredited by NBA.

Department of ECE has adequate infrastructure, center of excellence facilities for various research and development activities and teaching faculty with industrial and research experience.

GOKARAJU RANGARAJU

INSTITUTE OF ENGINEERING AND TECHNOLOGY

(AUTONOMOUS)

AICTE

sponsored

SHORT TERM TRAINING PROGRAMME (STTP)

on

AI-MIMO

MILLIMETER (mm) WAVE AND MASSIVE MIMO APPLICATIONS FOR 5G WIRELESS NETWORKS USING AI

16 Nov 2020 - 21 Nov 2020
(Phase-I)

Organized by

DEPARTMENT OF

ELECTRONICS & COMMUNICATION ENGINEERING

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Mr. Vijaya Kumar .V, Assistant Professor, ECE
Mr. M. Shankara Rao, Assistant Professor, ECE

Resource Persons:
Faculty and Industry personnel from various eminent Institutions around the world.

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.

STTP Topics:
- 4G and 5G Cellular Networks.
- Single Input Multiple Output.
- Multi Input Multi Output.
- Massive MIMO Systems.
- mmWave Technology.
- Artificial Intelligence based MIMO systems.

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.

TO REGISTER:
Scan the QR Code

Registration Link:
https://forms.gle/a7Vej7NbvTdgJJjw7