

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 II STTP deals with the applications and emphasizes on various use cases of AI for signal processing and technologies involving 5G and Beyond.

ABOUT GRIET

GRIET is a premier institute of engineering, established in the year 1997 under the patronage of the Gokaraju Rangaraju Educational Society. The college is approved by AICTE and is affiliated to JNTUH, Hyderabad and has been given autonomous status. 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. Multi-specialty faculty continuously review, innovate and experiment teaching methodologies and learning resources and focus on research, training and consultancy through an integrated institute-industry symbiosis

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
on**

AI-MIMO

**Millimeter (mm) Wave and
Massive MIMO Applications
for 5G wireless Networks
using AI
(Phase-II)**

**Applications of AI for 5G
and Beyond**

14-19 December 2020

organized by

**Department of
Electronics and
Communication Engineering**



**Department of ECE, GRIET,
Laila Hills, Bachupally, Nizampet,
Hyderabad, Telangana, India 500090**

4G

5G

6G

Chief Patron

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Dr. Swadesh Kumar Singh, Dean R&D, GRIET

Head of Department

Dr N Swetha, Professor, ECE

Coordinator

Dr Chaitanya Duggineni, Professor, ECE

Co-coordinators

Dr Hima Bindu Valiveti, Professor, ECE

Organizing Committee

Mr KNV Khasim, Assistant Professor, ECE

Mr. Vijaya Kumar V, Assistant Professor, ECE

Ms. Swathi K, Assistant Professor, ECE



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

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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Resource Persons

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NIT Silchar

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LINK FOR REGISTRATION

<https://forms.gle/jpx3StAvAq3tM4pQA>

Also register using QR Code

