

Press Note

KLEF Deemed-to-be University, A.P, India Receives DST Sanction for Groundbreaking Research Project on 5G wireless technologies.

Location: KLEF Deemed-to-be University, Andhra Pradesh, India

KLEF Deemed-to-be University is thrilled to announce the sanctioning of a cutting-edge research project by the Department of Science and Technology (DST) focused on "Data Fusion and Deep Learning Geospatial Positioning in the 5G Era." This significant research initiative will be led by Principal Investigator (PI) Dr. D. Venkata Ratnam, Professor, Dept of ECE, KLEF, Co-PI: Dr. G.S.K.Santosh, Associate Professor, Dept of ECE, KLEF, and Dr.D. Bhavana, Associate Professor, Dept of ECE, KLEF.

The project aims to leverage advanced data fusion techniques and deep learning algorithms to enhance geospatial positioning technologies, which are crucial for the burgeoning 5G network landscape. By integrating diverse data sources and applying sophisticated AI-based analytical methods, the research seeks to push the boundaries of geospatial accuracy and efficiency in the context of 5G.

Dr. D. Venkata Ratnam has established a state-of-the-art Atmospheric Science and Space technology research laboratory and a 5 G use case laboratory in collaboration with the Department of Telecom, Government of India. This facility will be a critical asset for the research, providing the necessary infrastructure and resources to support the project's ambitious objectives.

Key Highlights:

- **Research Focus:** Data Fusion and Deep Learning for Geospatial Positioning in the 5G Era
- **Principal Investigator:** Dr. D. Venkata Ratnam
- **Co-Investigators:** Dr. G.S.K Santosh and Dr. D. Bhavana
- **Funding Agency:** Department of Science and Technology (DST)
- **Previous Achievement:** Establishment of a 5G use case lab funding from the Department of Telecom, Govt of India and Atmospheric Science and Space technology funding from the Department of Science and Technology, Govt of India research laboratory

This project represents a significant advancement in the field of geospatial technology and 5G. It promises to deliver innovative solutions with broad implications for various applications, from smart cities to autonomous systems.



