

Guest Lecture on **NASA TECHNOLOGIES FOR SPACE EXPLORATION**

On 17th February, 2023 @ 1:30PM-3PM

In Association with
IEEE MTT-S, ComSoc and Sensor SBC, KLEF



Dr. Goutam Chattopadhyay
Fellow IEEE, Senior Research Scientist
NASA-Jet Propulsion Laboratory, United States

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K L E F (Deemed to be University)
Department of Electronics and Communication Engineering
Guest Lecture Report

DT: 17-02-2023

Resource Persons: Dr. Goutam Chattopadhyay, Fellow IEEE, Senior Research Scientist, NASA-Jet Propulsion Laboratory

Topic: "NASA Technologies for Space Exploration"

Audience: Faculty and Student

Time: 1.30 pm to 3.30 pm

Venue for event: R & D Auditorium

Department of ECE, KLEF and CSRG group in Collaboration with IEEE MTT-S, ComSoc, and Sensor SBC organizing a guest lecture titled "NASA Technologies for Space Exploration" addresses the Robotics missions such as Voyager, which continues to go beyond our solar system, missions to Mars and other planets, exploring the stars and galaxies for astrophysics missions, exploring and answering the question, "are we alone in this universe?" has been the driving force for NASA exploration since its inception. Fundamental science questions drive the selection of NASA missions. In this presentation, he presented an overview of the state-of-the-art radar, spectrometers, radiometers, and other instruments that are currently developing and layout the details of the science questions they will try to answer. He also discusses the challenges of the future generation instruments in addressing the needs for critical scientific applications. Finally, this session ends up with a mutual understanding to receive Continuous support from NASA to provide fruitful outcomes in the form of training, internship, and continuous technical support if possible.



(Signature)
Guest Lecture in-charge
(Dr. Arjuna Mueethi)
25/2/2023

(Signature)
Professor In charge

(Signature)
HOD 6/3/23
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