

Sardar Vallabhbhai National Institute of Technology, Surat



Workshop on

Power Aware UAV Networks

LATEST RESEARCH
UPDATES IN THE FIELD
OF DRONE NETWORKS

CHIEF GUEST
PROF. SUNIL KUMAR,
SAN DIEGO STATE UNIVERSITY, USA

KEYNOTE SPEAKER
PROF. RAJESH M. HEGDE
IIT KANPUR, INDIA

 June 29, 2026, Monday

 9:30 AM to 6:00 PM

 Lecture Theatre - 1,
SVNIT Surat

NO REGISTRATION FEE
FIRST-COME FIRST-SERVED

For further queries

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Scan to register

Reg. Link: <https://forms.gle/XDt2DP8qQFSfNJoi6>



Power Aware UAV Networks

Workshop (29 June 2026)

SVNIT, Surat | director@svnit.ac.in | www.svnit.ac.in



ABOUT WORKSHOP

Power-aware networking strategies in unmanned aerial systems, including routing protocols, mesh protocols, node management, etc., are crucial for such battery-powered systems. This workshop will uncover various aspects of such strategies in the context of UAVs

CHIEF PATRON

PROF. ANUPAM SHUKLA, DIRECTOR, SVNIT SURAT

CHIEF GUEST

PROF. SUNIL KUMAR, SAN DIEGO STATE UNIVERSITY, USA

Dr. Sunil Kumar is currently a Professor and Thomas G. Pine Faculty Fellow in the Electrical and Computer Engineering Department at San Diego State University (SDSU), San Diego, California. Dr. Kumar's research interests include QoS-aware and cross-layer protocols for wireless ad hoc, mesh, airborne, sensor, cognitive radio, and cellular networks, including directional communication and spectrum resource optimization, Error resilient multimedia compression techniques for wireless transmission, including HEVC and H.264/AVC, and applications of machine learning techniques in wireless networks.

KEYNOTE SPEAKER

PROF. RAJESH M. HEGDE, DOEE, IIT KANPUR, INDIA

Dr. Rajesh M. Hegde is currently a Professor (HAG) and Umang Gupta Chair (2019-2025) in the Department of Electrical Engineering at IIT Kanpur. He has served as the Head of the Department of Electrical Engineering (2020-2023), Head of the Center for Continuing Education (2019-2021), Head Center for Railway Research IIT Kanpur (2020-2023), and Director IIT Kanpur Research Technology Park Foundation (2019-2020). His research interests include Machine Learning, AI, future wireless networks, pervasive communication, WSN, IoT, speech recognition, audio processing for ASR and VR, and multimodal information fusion.

CONTACT

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DATE & TIME

JUNE 29, 2026, MONDAY

9:30 AM to 5:30 PM

SCHEDULE

- 9:30 AM → Inauguration
- 10:00 AM → Session-1
- 11:30 AM → Session-2
- 1:00 PM → Lunch Break
- 2:30 PM → Session-3
- 4:00 PM → Session-4
- 5:30 PM → Valedictory Session

OUTCOMES

Participants will have an exposure to:

- Networking in unmanned aerial systems
- Swarm-based operations of drones
- Routing protocols for swarm drones
- Low-power WSN strategies for UAVs
- Low-power signal processing for UAV networking
- Low-power IoT-based approach for UAV networks

PLACE

Lecture Theatre - 1, SVNIT Surat