

Visit of Dr. Mallesham Dasari, Director-Spatial Intelligence Research Group & Assistant Professor, Northeastern University, Boston, USA on 8th & 9th June 2026



Dr. Mallesham Dasari, Director- Spatial Intelligence Research Group (sinrg.org) and an Assistant Professor in the Department of Electrical and Computer Engineering at Northeastern University, Boston, USA

Day 1 (08-06-2026)

Welcoming the Guest:

As per the schedule Dr. Vamsi Bandi has brought Dr. Mallesham Dasari Director-Spatial Intelligence Research Group & Assistant Professor, Northeastern University, Boston, USA to the MITS Campus. Dr. D. Pradeep Kumar, Registrar, Dr. C. Kamal Basha, Vice Principal, Administration, Mrs. U. Vijaya Lakshmi, Associate Director, International Relations Office had extended a hearty welcome to the guest. In VC's chamber Dr. R. Thulasiram Naidu- Advisor R&D and Consultancy, Sri. B. V. Krishna Rao, Advisor and Dr. C.P. Gupta, Dean-School of Computing interacted with the distinguished guest.



Boardroom:

On behalf of MITS Deemed to be University Dr. R. Sriganesh, Asst. Professor, Dept. of English & Foreign Languages extended a welcome note. The programme commenced with the Bouquet presentation and Mrs. U. Vijaya Lakshmi, Associate Director, International Relations Office introduced the profile of the guest, highlighting his academic achievements, research contributions and professional accomplishments.



Dr. D. Pradeep Kumar, Registrar of MITS delivered a comprehensive presentation about the University, covering its academic programs, research activities, infrastructure, collaborations, student achievement and future developmental plans. The presentation showcased the University's strengths and its commitment to excellence in higher education and research.



All the Deans, HoDs, R&D Team and Asst/Associate Directors introduced themselves and actively participated in the discussions.



The meeting provided an excellent platform for the academic interaction and exploration of the new disruptive technologies.

Scale Up Class Room:

The faculty members from various departments gathered in the scale up class room. Dr. R. Sriganesh, Asst. Professor, Dept. of English & Foreign Languages hosted the event and welcomed the guest. Dr. Vamsi Bandi, Asst. Professor, Dept of Artificial Intelligence presented a brief profile of the guest, outlining his distinguished career and notable achievements.



The programme proceeded with a technical talk by Dr. Mallesham Dasari, who shared valuable knowledge and insights on the **Spatial Computers**, engaging the audience through an informative and thought-provoking presentation.

Highlighting cutting-edge developments such as Apple Vision Pro and the emerging Android XR ecosystem, Dr. Mallesham Dasari described how these platforms combine AR, VR, and Artificial Intelligence to create immersive three-dimensional experiences. He explained that spatial computing devices enable users to interact naturally with digital applications anchored within their real-world surroundings.



The most value-added aspect of his presentation was **the Growing Role of Smart Glasses** (The working model brought by him with all the apps in the computer) as the next generation of personal computing devices are getting routed towards the wearables. His total research area is on Spatial Computing in Wearable Device, which is very novel innovation of these days. According to him wearable technologies have the potentiality to replace many traditional computing components, including monitors, keyboards, and mice. Instead of the traditional computers on the flat surface, users will interact with digital systems of 3D or 4D models through intuitive mechanisms such as eye tracking, hand gestures, and voice commands.

Dr. Mallesham Dasari also elaborated on the sophisticated sensor technologies which is embedded in these devices. Powered by LiDAR sensors, depth-sensing technologies, and multiple camera arrays, spatial computing systems can generate highly accurate real-time 3D maps of their environments. These capabilities enable context-aware computing experiences that adapt dynamically to the user's surroundings.



The presentation further highlighted the advantages of spatial computing in various field due to the adaptability in application, enabling multitasking without conventional monitor setups. Apps can be displayed and managed directly within the user's field of view through smart glasses, controlling them in the thin air, which creates a highly immersive and efficient computing environment. All the participants touched the glasses, wore them and experienced the efficiency of the device, that is prepared in the lab of Dr. Mallesham.

Post lunch, the guest visited the campus and interacted with Lab in charges and appreciated the campus resources provided to the student community. In the post lunch session, Dr. Mallesh research initiatives and recent accomplishments were well discussed during the interactive session. Highly engaged and fruitful discussions happened with the active participation of Dr. Rama Komaragiri-Dean Academics, Dr. C.P. Gupta, Dean-School of Computing and HoD of Electrical & Electronics Dept regarding the future academic and research collaborations.

Day 2 (09-06-2026):

During the second day visit Dr. Mallesh Dasari interacted with Dr. C. Yuvaraj-Vice-Chancellor, Dr. D. Pradeep Kumar-Registrar, Dr. P. Ramanathan- Principal and Mrs. U. Vijaya Lakshmi, Associate Director, International Relations Office about his research contributions and future collaboration activities with MITS.



Scale Up Class Room:

As part of his visit, Dr. Mallesham Dasari interacted with 3rd and 4th year students from various departments and faculty members, sharing his expertise in emerging technologies such as Augmented Reality (AR), Virtual Reality (VR), Mixed Reality (MR), Extended Reality (XR), Spatial Intelligence, Smart Glasses, Computer Networks, Wireless Sensing and Communications, Mobile Computing and Wearable Computing.

During his address Dr. Mallesham Dasari presented his vision of the future of computing, emphasizing the transition from conventional 2D screen-based systems to spatial computing environments powered by wearable devices. He explained how smart glasses and spatial computers that are transforming the way humans interact with digital information by integrating virtual content into the physical world.



Dr. Mallesham Dasari discussed the transformative impact of spatial computing across several domains, including healthcare and surgery, gaming and entertainment, education, national security, industrial operations, and space exploration. He explained how medical professionals are already leveraging these technologies for enhanced visualization and precision, while defence and security sectors are utilizing wearable spatial computing systems for advanced situational awareness.

This interactive and demonstration session generated tremendous enthusiasm among students and faculty members, many of them were eager to experience the wearable devices firsthand. The participants gained valuable insights into the disruptive technology and the potential of spatial computing technologies in their future applications.

During his interactions with faculty and students, Dr. Mallesham Dasari expressed his willingness to establish academic collaborations with MITS. The session ended with a promise to offer mentorship and research opportunities for students, researchers, and for the interested faculty interested within these emerging fields. Meaningful interactions and engaging discussions made the session particularly very impactful.

Felicitation:

With a deep gratitude, Mrs. Vijaya Lakshmi proposed vote of thanks and Dr. C. Yuvraj, the Vice-Chancellor of MITS presented a memento to the esteemed guest. The visit proved to be an enriching experience for the MITS academic community and students, which has provided an exposure to the latest disruptive technologies. The spatial computers embedded in the smart glasses will redefine human-computer interaction in the coming days. Dr. Mallesham Dasari's visit will be remembered as a significant learning opportunity as the inspired students and faculty expressed their eagerness in exploring the innovative research and technological advancements. Adding further excitement to the event, Dr. Mallesham announced his plan to engage with MITS faculty and students next year from his laboratory at Northeastern University, Boston, USA, using an immersive 3D virtual environment enabled by cutting-edge developments in spatial intelligence and wearable computing. The session ended with a promise to meet virtually in 3D virtual environment.



Radio Station:

MITS Community Radio 90.8 organized a special interaction session featuring **Dr. Mallesham Dasari**, Director of the Spatial Intelligence Research Group and Assistant Professor at Northeastern University, Boston, USA. The interaction was conducted by Mrs. Vijaya Lakshmi, Associate Director-IRO and Sri. M. Narasimhacharlu, Program Manager, MITS Community Radio 90.8 to inspire the students and faculty members through the outstanding academic and professional journey of an accomplished Indian researcher in Northeastern University-America.

The session focused on the importance of passion, perseverance, skill development and dedication in achieving international success. Dr. Mallesham Dasari shared valuable insights from his life journey, beginning from Karimnagar to becoming an academic leader in one of the most reputed universities in the United States.



The special interaction organized by MITS Community Radio 90.8 served as an inspiring platform that connected students and faculty with a globally accomplished researcher and academician. His journey demonstrated that passion, encouragement from mentors, continuous skill development, and perseverance that can lead to extraordinary achievements.

The session thoroughly motivated participants to dream big and enthused them to prepare themselves for contributing meaningfully to the society.

MITS Deemed to be University extends its sincere gratitude to Dr. Mallesham Dasari for sharing his knowledge, insights and vision for the future of computing, and looks forward to future collaborations and academic engagements.

Press Release Pictures:

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