



SPG India, Hyderabad Chapter organizes a talk by Dr. Achyut Mishra on 1st August 2025

The SPG Hyderabad Chapter, in collaboration with CSIR-NGRI, hosted Dr. Achyut Mishra, Assistant Professor at IIT Gandhinagar, for an invited lecture on *"Spatial Scales in Geology and Their Impact on the Fate of Fluids Relevant for Energy and Environmental Sustainability."* The event was organized at SB Hall, CSIR-NGRI, Hyderabad on 1st August 2025.

Dr. Mishra, an expert in high-resolution geological modelling, shared insights into advanced approaches that integrate graph theory, machine learning, and other techniques to address the complexities of subsurface systems. His talk emphasized the importance of uncertainty quantification and scenario-building at multiple scales during reservoir modelling.

The session opened with a keynote address by Dr. Labani Ray, the President of SPG-Hyderabad chapter, who highlighted SPG's ongoing activities at CSIR-NGRI and introduced the institute's research facilities, particularly in the area of geothermal energy. This was

followed by a token of gratitude to the SPG-Hyderabad Chapter President and Secretary (Dr. Biswajit Mandal), and the presentation of a memento to Dr. Mishra by the President.

Dr. Mishra's lecture drew keen interest from scientists and students alike. The interactive Q&A session reflected the audience's enthusiasm, with young researchers posing thoughtful questions and gaining deeper perspectives on the challenges of reservoir modelling.

The program concluded with a vote of thanks to the organizers and participants. Following the session, Dr. Mishra visited various research laboratories at CSIR-NGRI and engaged in discussions with the institute's scientists, opening avenues for future collaboration.

The event was a resounding success, fostering knowledge exchange and strengthening research linkages in the geoscience community.

