A Report on

R & D Talk Series on 'Remote Sensing and GPS'

By

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on

17th February (Friday), 2023,

N J Seminar Hall, SCET

Co – Ordinated by

Prof. Himanshu Padhya

Prof. Sejal S. Bhagat

Prof. Zarana H. Gandhi

FACULTY OF CIVIL ENGINEERING

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SARVAJANIK COLLEGE OF ENGINEERING & TECHNOLOGY

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TOWARDS PROGRESSIVE CIVILIZATION …

Faculty of Civil Engineering through its PG Centre in Town & Country Planning organized an interactive session as an Expert Talk. The session was organized for the students of B.E. Sem VI, ME TCP I & II. The talk series was about understanding the "Remote Sensing and GPS" which was interactively led by Dr. P. G. Agnihotri. The motive of the interactive session was to bring sensitization among the current students about use of the technological advancements, specifically Remote Sensing and GIS in town planning and implementation practices.

About the speaker:

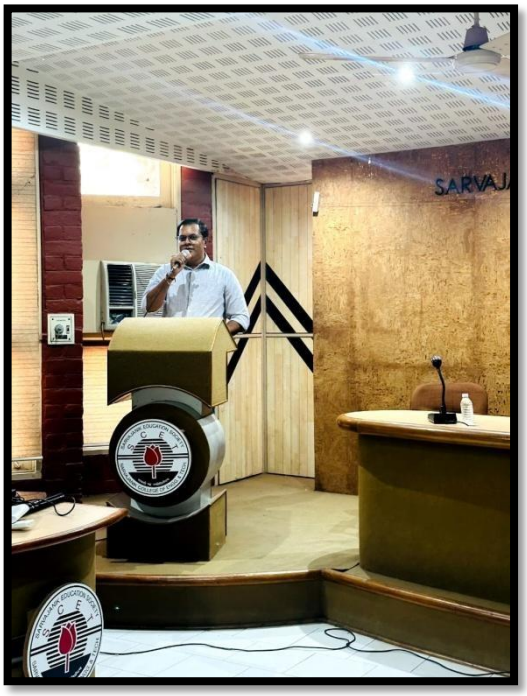
Dr. P. G. Agnihotri is working as a Professor in Civil Engineering, S.V. National Institute of Technology, Surat. He did his Ph. D from S.V.N.I.T, Surat and masters from S.V.R.C.E, Surat followed by graduation in Civil Engineering at S.V.R.C.E.T., Surat. He has total experience of 25 years in Teaching, Research and Various types of Administrative Work. He has authored about 18 research papers in international and national conferences and journals. He is a member to many professional organizations also. He also involved in consultancy work with SMC and completed many projects under consultancy work.

Knowledge shared in expert lecture:

A geographic information system (GIS) is a system designed to capture, store, manipulate, analyze, manage, and present spatial or geographic data. GIS applications are tools that allow users to create interactive queries (user-created searches), analyze spatial information, edit data in maps, and present the results of all these operations. GIS can relate unrelated information by using location as the key index variable. Locations or extents in the Earth space–time may be recorded as dates/times of occurrence, and x, y, and z coordinates representing, longitude, latitude, and elevation, respectively. There are different types of GIS software available in market like, ArcGIS, Geomedia, MapInfo Professional, Manifold GIS, MapViewer and Surfer, SuperGIS, Tatuk GIS etc.

- Basic understanding of GPS (Global Positioning System), GIS (Geographical Information System) and RS (Remote Sensing).
- Difference of Raster and Vector data
- Application of GIS in the field of Urban Planning
- Demo of ArcGIS Software

Glimpses of Lecture:



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