



**A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
**(A Unit of Laxmi Memorial Education Trust. ®)**  
**DEPARTMENT OF CIVIL ENGINEERING**

**Report on Two day National Workshop**  
**on**  
**APPLICATIONS OF REMOTE SENSING & GIS IN CIVIL**  
**ENGINEERING**  
**3<sup>RD</sup> & 4<sup>TH</sup> MAY 2018**

Department of Civil Engineering, A J Institute of Engineering and Technology in association with Efficient Engineers, Samrudhi Constructions, Sri Mahaganapathi enterprises, Future Contracting EST, NG Associates and Vishwas Adarsh Constructions had organized two days' National workshop on "Application of Remote Sensing and GIS in Civil Engineering" at AJIET campus from 3<sup>rd</sup> May to 4<sup>th</sup> May 2018. More the 60 delegates registered for this two days National workshop from different institutions/Organizations.

The workshop was inaugurated by Dr. Avinash Kumar, Scientist D, Department of Polar Remote Sensing, National center for Antarctic and ocean research, Ministry of Earth Science, Government of India. Mrs. Ashritha P Shetty, Director LMET, Dr Shantharam Rai C, Principal AJIET, Dr Akshatha Shetty, HOD Department of Civil Engineering, Convener of the Workshop, Mrs. Madhushree C, Asst Professor, Dpt of Civil Engineering, Chief coordinator of the workshop were present for the inaugural function. Dr Akstha Shetty welcomed the delegates to the workshop. Ms. Ashika Pai and group 4<sup>th</sup>sem civil invoke the blessings of God. The program was inaugurated by lighting the lamp.

Mrs. Madhushree C, Chief coordinator of the two day National workshop, briefed about the requirements and discerns in the field of Remote Sensing and GIS, Scope of the field in civil engineering and main objectives of the workshop. Also briefed about the technical sessions for the two day national workshop.

Dr. Avinash Kumar, Chief Guest of the function addressed the gathering giving brief idea about Remote Sensing and GIS, its applications and also need of such workshops for young engineers in the present scenario. Mrs. Ashritha P Shetty, Director LMET had given the presidential address. Dr. Shantharama Rai, Principal of AJIET had emphasized on the importance of practical applications along with the theoretical knowledge in any field and advised the participants to acquire the knowledge from the technical sessions. Mr. Nikhil N, Asst Professor, Dpt of Civil Engineering proposed vote of thanks.



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The First session was by Dr Avinash kumar, on “Geomorphology and sea ice dynamics of Polar Regions, using Remote Sensing, GIS and field based observations”. Speaker explained about the fundamentals of Remote Sensing, its working principles and applications. He also explained about the sea ice measurements, Ice content, expedition on the Antarctic regions by India, global warming and climatic changes.

The second session was by Dr Dwarakish G.S, Prof and Head, Department of Applied mechanics and Hydraulics, NITK Suratkal, on “Application of GIS, RS and GPS in Civil Engineering”. The speaker had explained about the Remote Sensing methods, data interpretation, platforms and Data products.

The afternoon session was Hands on training on “Image processing and GIS tools” by Mr. Atheeth Shetty, Senior Research Scholar, Mangalore University. He had demonstrated the various applications of ARCH GIS software.

Second day started with the session by Dr V.V Srinivas, Professor, Department of civil engineering, IISc Bangalore on the topic “Application of Remote Sensing and GIS in assessment of fluvial flood control”. He explained about the different methods for flood estimation, application of GIS in flood estimation and factors affecting flood response.

The next session was taken by Dr. Ganesh Prasad, Professor Dept of Civil Engineering, National Institute of Engineering (NIE), Mysore on the topic “Introduction to Photogrammetry and application”. He had explained about the Photogrammetry, concepts, Ariel Photogrammetry, Terrestrial Photogrammetry and its Applications.

The last session was by Dr Hejamady Gangdhara Bhat, Professor Department of Marine Geology, Mangalore University on the topic “Remote Sensing and GIS in soil and land use planning”. He had explained about the application of remote sensing in soil and land use planning.



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Followed by the closing ceremony of the two day National workshop. Mrs. Madhushree C, Chief coordinator of the workshop welcomed the delegates Dr. Shantharama Rai C, Principal AJIET, Dr. V V Srinivas and Dr. Akshatha Shetty, HOD and Convener to the valedictory function. Mr. Dileep Kumar, Asst. Professor, Dpt of Civil Engineering briefed about the sessions. Dr. V V Srinivas addressed the gathering by his insightful thoughts. Dr. Shantharama Rai C, Principal AJIET delivered the presidential remarks on the two day National Workshop organized by Department of Civil Engineering, AJIET. The honorable chief guest Dr. VV Srinivas gave away the participation certificates for all the participants. Dr. Akshatha Shetty, HOD & Convener of the workshop proposed vote of thanks.

The sessions were enriched by the talk of the eminent speakers form the reputed Organization and institution. The workshop was a grand success by the support of the management, College authorities, and the support given by the neighboring institutes, the sponsors, the team work of Department of Civil Engineering and the Students.

Signature

Mrs. Madhushree C  
Chief Coordinator

Signature

Dr. Akshatha Shetty  
HOD & Convener

Signature

Dr. Shantharama Rai C  
Principal



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