

**Report on Three days' workshop**  
**On**  
**“Advances in Geotechnical Engineering and reliability of structures”**  
**Organized by IGS Aurangabad Chapter**

---

Three days workshop from 3<sup>rd</sup> – 5<sup>th</sup> Oct. 2019 was jointly organized by Indian Geotechnical society- Aurangabad chapter and Civil Engineering Department of Marathwada Institute of Technology, Aurangabad.

Engineers from various Government departments like Irrigation, PWD, Municipal Corporation, consultants, practicing engineers and faculty members of different engineering colleges in Aurangabad participated in the workshop. Total 117 participants were present in the workshop out of which 85 were students from final year civil engineering of engineering colleges in and around Aurangabad and 32 participants were from Industry.

Resource persons from IIT New Delhi, IIT Bombay, IIT Indore, Government college of Engineering –Pune and Amravati, Geotechnical Consultants from Gujarat, Pune and Mumbai shared their experience.

Dr. J.T Shahu, Dr. Dasaka S. Murthy and Er. Vikas Patil presided for the Inauguration of the workshop. Dr. Y. A. Kolekar and Dr. Vinil Kumar Gade gave away the certificates to the participants during the valedictory function.

3 sessions on 1<sup>st</sup> day, 4 sessions on 2<sup>nd</sup> day and 5 sessions on last (third) day were conducted. The sessions of the workshop were very informative. The guest, faculty members and students were very benefitted by these sessions.

The IGS Aurangabad chapter and Civil engineering department of MIT took efforts for successful completion of the workshop.

Following are the details of the session conducted during the workshop.

Date	Session	Resource person	Name of the topic
3-10-19	I	Dr. J.T. Shahu Professor, Department of Civil Engineering, IIT New Delhi	Case History of a Geo-membrane Lined embankment
	II	Dr. Dasaka S. Murthy Professor, Department of Civil Engineering, IIT Bombay	Recent failures of Foundations- Challenges to Geotechnical engineers
	III	Er. Vikas Patil Principal Consultant –Savi Designers & Consultants.	Advanced controlled yielding techniques for high retention

Date	Session	Resource person	Name of the topic
4-10-19	I	Er. Vikas Patil Principal Consultant –Savi Designers & Consultants.	Contd. - Advanced controlled yielding techniques for high retention
	II	Er. Ravikiran Vaidya Principal Engineer GeoDynamics, Vadodara, Gujrat.	Brief overview of testing methods for Pile foundations
	III	Dr. Jaykumar Shukla Principal Engineer GeoDynamics, Vadodara, Gujrat.	Design and construction of Pile foundations- Progressive Topics
	IV	Dr. Neelima Satyam Associate Professor and Head, Discipline of Civil Engineering, Indian Institute of Technology, Indore.	Bio-mineralization of Granular Soils for Liquefaction resistance
5-10-19	I	Dr. Sunil S. Basarkar General Manager (Design & Technical Services), Geotechnical Engineering Division, Afcons Infrastructure Ltd., Mumbai.	Advances and Practices in Pile Foundations and deep excavation support system
	II	Dr. A.I. Dhattrak Dean Academics & Associate Professor, Department of Civil Engineering, Government College of Engineering, Amravati	Innovative Foundations - Deep Foundations
	III	Dr. K. A. Patil Professor, Department of Civil Engineering, Government College of Engineering, Pune	Investigation and testing of soil
	IV	Dr. Vinil Kumar Gade Assistant Professor, Department of Civil Engineering, V.R. Siddhart Engineering College, Vijaywada	Significant aspect of Geotechnical Model testing
	V	Dr. Y. A. Kolekar Associate Professor, Department of Civil Engineering, College of Engineering, Pune	Application of Geophysical Techniques in Geotechnical Engineering













Group Photo with the Participants of the Workshop

