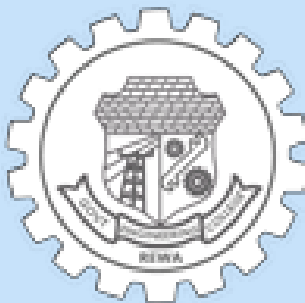
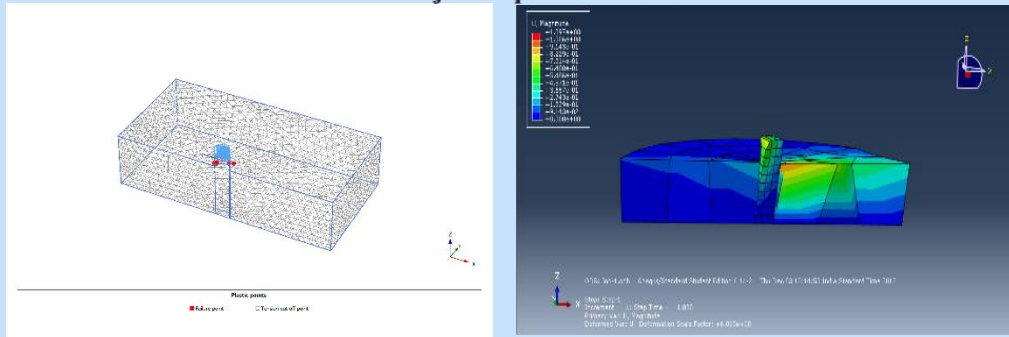


**Workshop
ON
Computational Geo-techniques and Virtual Lab
(16th March 2018)
UNDER TEQIP III**
Sponsored by
NPIU, Noida

NPIU

National Project Implementation Unit



**Organised by
Department of Civil Engineering
Rewa Engineering College, Rewa
Rewa-486001**

About Workshop

To understand the recent advancement and developments in computational engineering specially, for Geotechnical Engineering. With the advancement of methods of computations like FEM, FVM, FDM and recent development of software's like PLAXIS, Limit state, Geo-slope, ABAQUS, etc. has increased the computational efficiency along with the accuracy. In same way virtual lab provides a user can simulated the laboratory problem with any degree of failure, as lab equipment's are designed to predict the deformation vs stress relations up to the first failure crack and any further loading can cause damage to the instrument but using virtual lab stress up to any deformation level can be predicted with higher accuracy.

PROFILE OF THE SPEAKERS:

FACULTY	AREA OF EXPERTISE
Dr. Neelima Satyam D Associate Professor, Discipline of Civil Engineering IIT Indore	Site Effects and Seismic Design of Foundations, Dynamic Soil Structure Interaction Analysis, Liquefaction Studies, Landslide Hazard Assessment and Monitoring, Rock Mechanics and Underground Structures
Dr. R. P. Tiwari Head Of Department Discipline of Civil Engineering REC, Rewa	Numerical Modelling, Physical Modelling, environmental Geo-techniques, Experimental Techniques, Rock Mechanics and Under Ground Structures.
Anoop Kumar Tiwari Assistant Professor, Discipline of Civil Engineering REC, Rewa	Computational Geo-techniques, Ground Improvement, Soil Structure Interaction, Earthquake Engineering.

❖ Contents:

- Basics of Geotechnical Engineering problems.
- Computational Methods available based on FEM or FDM like PLAXIS, ABAQUS, etc. and their implementations.
- Virtual Lab its Development and use.

Rewa Engineering College, Rewa

Rewa Engineering College Rewa (MP) formerly known as Government Engineering College or GEC Rewa, was established by the Govt. of MP in 1964. It is presently an associated college of Rajiv Gandhi Technical University Bhopal, Madhya Pradesh and is approved by the AICTE. REC, Rewa offers B.E. degree courses in four disciplines namely - Civil, Mechanical, Electrical and Electronics. Among above, the Civil Engineering department is the leading department of the institute with dedicated faculty who possess the Ph. D degree from premier institute like IIT Delhi and IIT Roorkee. The Department was started in 1964 with the inception of the Institute.

WHO SHOULD ATTEND?

- Research scholars, post graduate and undergraduate students working in the field of Geotechnical Engineering and Soil-Dynamics.
- Professionals working in R & D organizations.
- Faculty from Engineering/Polytechnic colleges.

Registration

Registration is free for faculty members of pioneer institutions and students of REC, Rewa. All the participants have to register on link:

<https://goo.gl/forms/7bBQYnLey3dQrtmj2>

❖ Patron:

Dr. B.K. Agrarwal
Principal Rewa Engineering College, Rewa 486002.

❖ Chairman:

Dr. R. P Tiwari
HOD, Civil Engineering REC, Rewa 486002

❖ Coordinators:

- Asst. Prof. Anoop Kumar Tiwari
- Asst. Prof. Vinay Sharma
- Asst. Prof. Lavkush Gupta

❖ Executive Committee:

- Dr. D.K Jain
- Asst. Prof. Anshu Bamney
- Asst. Prof. Jitendra Gurjar
- Asst. Prof. Himanshu Dixit
- Asst. Prof. Sandeep Choudhary

❖ Student Coordinators:

- Devrishi Tiwari
- Mohit Singh Parmar
- Vipul Pidhia
- Guljari Lal
- Ankita Singh Parihar
- Ankita Sohgaura
- Anushika Jain
- Gaurav Mishra
- Saurabh Maurya
- Yogendra Dubey
- Ankita Gupta
- Richa Shukla