

## REGISTRATION FORM

**One Day  
Introductory Workshop  
on  
“Multichannel Analysis of Surface Waves  
(MASW)”  
under TEQIP – III**

**20<sup>th</sup> September 2019**

Name: \_\_\_\_\_

Educational Qualification: \_\_\_\_\_

Designation: \_\_\_\_\_

Department: \_\_\_\_\_

Experience: \_\_\_\_\_

Name of Institution: \_\_\_\_\_

\_\_\_\_\_

Mobile no.: \_\_\_\_\_

E-mail ID: \_\_\_\_\_

Accommodation required: YES/ NO

Signature of participant: \_\_\_\_\_

Date: \_\_\_\_\_

Place: \_\_\_\_\_

### Sponsorship Certificate

\_\_\_\_\_ is working as faculty in our institute. He/ She is permitted for attending one day workshop and shall be relieved for the same.

**Signature & Seal of Forwarding Authority**

- Photo copy additional copies of this form, if needed.
- A scanned copy of the filled form can be sent by e-mail to the coordinator

### Chief Patron

Prof. Sunil Kumar Gupta  
Hon'ble Vice Chancellor,  
RGPV, Bhopal

### Patron(s)

Prof. Suresh S. Kushwah  
Registrar, RGPV, Bhopal

Prof. R. S. Rajput,  
Director, UIT-RGPV, Bhopal

### Coordinator(s)

Prof. Sudhir S. Bhadauria  
Head, Civil Engg. Dept., UIT-RGPV,  
Bhopal

Prof. Aruna Rawat

Prof. Ranjeet Joshi

### Organizing Committee

Prof. Saleem Akhtar

Prof. Amit Vishwakarma

Prof. Satish Kumar Jain

Prof. Santosh Kumar Kharole

Prof. Geeta Batham

Prof. Aslam Hussain

### Venue

**Senate Hall, RGPV, Bhopal**

### Address for Correspondence

#### Coordinators,

Department of Civil Engineering,  
University Institute of Technology, RGPV,  
Airport Bypass Road, Gandhi Nagar,  
Bhopal 462 033, Madhya Pradesh.

**Mobile no. 9425109245, 7869811886, 7898149442**

**Phone: +91-755-2678850, 2678864**

**E-Mail Id.: hodcivil@rgtu.net**

**Website: www.uitrgpv.ac.in, www.rgpv.ac.in**

## One Day Introductory Workshop on

## “Multichannel Analysis of Surface Waves (MASW)”

**under TEQIP – III**



**20<sup>th</sup> September 2019**



**Organized by**

**Department of Civil Engineering  
University Institute of Technology (UIT)  
Rajiv Gandhi Proudyogiki Vishwavidyalaya  
(State Technological University of Madhya Pradesh)**

## About University

The Rajiv Gandhi Proudyogiki Vishwavidyalaya (RGPV) is an “A” accredited State Technological University of Madhya Pradesh, established in the year 1998. With a campus of about 247 acres, the RGPV is evolving into a center of excellence in the arena of Technical Education, Research and Innovations. There are 05 UTD's, around 217 Engineering, 85 Polytechnics, 95 Pharmacy, 88 Computer Application and 04 Architecture institutions imparting diploma, Under-Graduate, Post-Graduate courses and Doctorate of Philosophy in emerging disciplines. RGPV is emerging as center for innovation and entrepreneurship and promoting start-up activities, Industry-Institute partnership for resolving industrial problems and transfer of technology.

## About the Department



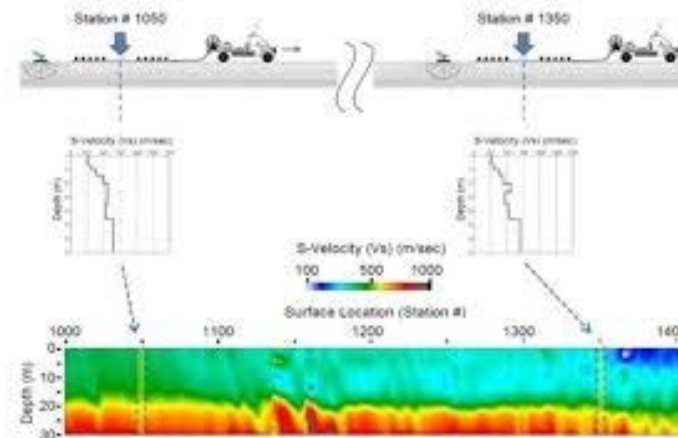
Department of Civil Engineering was established in the year 2002. The department conducts courses of B.E. in Civil Engineering with intake of 60 students, PG program (M.E.) in Structural Engineering with intake of 18 students and PhD Programmes. The department is also actively involved in research activities. It has qualified and experienced faculty in different fields of specialization. The department has fully equipped laboratories. The department also undertakes industrial Testing and Consultancy works as part of its interaction with industry and also organizes Continuing Education Programmes/ Seminars/Symposia for professional benefit field engineers, faculty and students.

## About the Workshop

Multichannel Analysis of Surface Waves (MASW) is a seismic exploration technique. It evaluates ground stiffness by measuring shear-wave velocity ( $V_s$ ) of subsurface in 1-D, 2-D, and 3-D for various types of geotechnical engineering projects in the most common depth range of 0-30 meters.

MASW measures the seismic surface waves generated from various types of seismic sources, such as sledge hammer, then analyzes the propagation velocities of those surface waves, and then finally deduces shear-wave velocity ( $V_s$ ) of the surveyed area. Shear-wave velocity ( $V_s$ ) is one of the elastic constants and closely related to Young's and shear moduli. Under most circumstances,  $V_s$  is a direct indicator of the ground strength (stiffness) and therefore commonly used to derive load-bearing capacity.

This workshop is intended to provide opportunity for faculties and students in various engineering and architecture institutions for upgrading their knowledge in the areas of MASW. This workshop will be equally beneficial for Civil Engineering field professionals, academicians and researchers.



## Course Contents

- What is MASW?
- Working Principle of MASW
- Procedure of MASW
- MASW Methods
- Case studies
- Field study/Practical session using MASW

## Who may Participate?

- Faculty members and students of Engineering Colleges
- Practicing Engineers of Government and Private Departments
- Architects and Planners
- Scientists from R&D organizations
- Post Graduate Students

## Workshop Fees

The participant registration fee for workshop is:

- Academic Institutions: **No registration fee**
- Industry participants: 1000/-

The fee will be payable by Demand Draft in favor of “**Director, UIT-RGPV**” payable at Bhopal.

- Selection will be based on first come first basis as the seats are limited.

## Accommodation

Accommodation to the outstation participants, if required will be provided in UIT-RGPV, Bhopal Hostel/ Guest House.