

ABOUT THE DEPARTMENT

Civil Engineering Department was started in Government Polytechnic, Mayem Bicholim Goa in the year 1996. The current intake of diploma course in the department is 30. The department has seven dedicated faculty with specialization in geotechnical, structural and construction technology. Department has well equipped laboratories catering to the students and the industry. Apart from testing and consultancy, the department regularly conducts workshops and short term courses in various disciplines in Civil Engineering.

ORGANIZING COMMITTEE

Chairman

Prof. Subhash P Borkar, Principal

Co-ordinator

Dr. Purnanand P Savoikar

Technical/Executive Committee

Prof. Suvidha S. Kulkarni

Prof. Sumitra S. Kandolkar

Prof. Smita S. Aldonkar

Prof. Pramodini S Naik

Prof. E Hymakar Reddy

Mr. Kassim Shaikh

Mr. Navinchand Kerker

REGISTRATION FEE & OTHER DETAILS

No registration fee will be charged from the faculty from AICTE approved institutions. They are eligible for **free boarding and lodging in the hostel of the institute only and to and fro charges by shortest route limited to AC 3-tier train or AC deluxe bus (irrespective of their higher eligibility)**. Hostel accommodation is limited and will be provided to those who apply for it in advance. Participants from industry will be charged Rs. 5000/- payable in advance. No traveling charges or accommodation will be provided to them.

LAST DATE FOR SUBMISSION

Participants may use photocopy of the registration form and email scanned copy of registration form or send it by post to the below mentioned address so as to reach on or before 12th May 2011. The participants will be informed about their selection by email/telephone by 13th May 2011.

ADDRESS FOR CORRESPONDENCE

Dr. Purnanand P Savoikar

Co-ordinator, ERSCMA &
Head of Civil Engineering Department,
Government Polytechnic, Mayem
Bicholim Goa 403 504.

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Mob. 09922732822

e-mail: psavoikar@gmail.com

website: www.gpb.nic.in

HOW TO REACH THE INSTITUTE

Government Polytechnic, Bicholim Goa is located near the mining belt and adjacent to the serene environment of Mayem lake and Goa Tourism Development Corporation's lake resort. It is located in the north-east part of Goa, approximately 30 km from capital city of Panjim. It can be approached by air and is located at a distance of 60 km from Dabolim airport, Goa. Nearest railway station is Thivim, located at about 8km from the institute. Institute can also be reached by bus via by Inter-state bus terminus at Mapusa, located at 20 km from the institute. The weather during May is warm and humid with temperature rising up to 38°C. Month of May is tourist season in Goa.

AICTE SPONSORED
ONE WEEK STAFF DEVELOPMENT PROGRAMME

on
**EARTH RETAINING STRUCTURES
& CENTRIFUGE MODELING APPLICATIONS**
23rd to 27th May 2011



Dr. Purnanand P Savoikar
Co-ordinator



Organized by:
Civil Engineering Department
Government Polytechnic, Bicholim.

: VENUE :
Government Polytechnic
Mayem, Bicholim 403 504, Goa
Phone/Fax: 2361235

INTRODUCTION

Ground surface is stable so long it is horizontal or having gentle slope. Whenever it is required to maintain vertical discontinuity of soils at two different levels, either vertically or with nearly vertical faces, earth retaining structures are used. The common types of retaining structures in use are retaining walls, anchored bulkheads, braced sheet piles, bridge abutments, basement or tunnel walls and so on. These retaining structures are to be designed so as to ensure safety against bearing capacity failure, excessive settlements, sliding at the base and overturning. Often seismic stability analyses are required to be performed in case of seismically active areas. This programme intends to disseminate the latest information on design and construction practices for retaining structures, their static and seismic stability analysis and use of computer softwares in analysis and design of retaining structures.

Physical modeling for understanding soil and structural behaviour requires model and prototype testing wherever possible. However, it may not be always practicable and may be costlier and time consuming with no possibility of always prediction of actual behaviour. A wide range of geotechnical problems can be investigated using physical modeling techniques such as Centrifuge modeling by using small scale models subjected to acceleration fields of magnitude many times earth's gravity. These tests have proved to be particularly valuable in revealing mechanisms of deformation and collapse and in providing data for validation of numerical analyses. This programme also aims at making participants aware of advanced technologies in modeling techniques in geotechnical engineering with an emphasis on centrifuge modeling and also to increase utilization of the facility.

OBJECTIVE OF THE PROGRAMME

The objective of this course is to provide a platform for academicians and engineers in civil and mining industry to participate, deliberate and disseminate the state of art achievements in the field of geotechnical engineering, especially in the centrifuge modeling.

PROGRAMME CONTENTS

- Design & construction of earth retaining structures
- Static and seismic stability analyses
- Geosynthetics as a reinforcing material
- Computer aided analysis and design
- Centrifuge modeling and its applications
- Centrifuge aided learning

PROGRAMME DATES

The programme will be conducted from 23rd May 2011 to 27th May 2011 from 9.30 am to 5.00 pm.

RESOURCE PERSONS

Resource persons drawn for this programme are senior professors from Indian Institute of Technology, Bombay, reputed geotechnical consultants and from geotechnical software companies.

ELIGIBILITY

Faculty members from AICTE recognized polytechnics and degree engineering colleges in civil and mining engineering are eligible for this Staff Development Programme. Few seats are reserved for participants from industry. Total number of participants is restricted to 40.

EARTH RETAINING STRUCTURES & CENTRIFUGE MODELING APPLICATIONS

23rd - 27th May 2011

Registration Form (ERSCMA)

Name: _____

Designation: _____

Institution: _____

Address: _____

Institution approved by AICTE: Yes / No

Educational Qualifications: _____

Field of specialization: _____

Teaching experience: _____

Phone No.: _____

E-mail: _____

Accommodation required: Yes / No

Date: _____ Signature of the applicant

CERTIFICATE

This is to certify that _____ is an employee of our institute and is permitted to attend the AICTE Sponsored SDP on "EARTH RETAINING STRUCTURES & CENTRIFUGE MODELING APPLICATIONS" to be held at your institute during 23rd - 27th May 2011.

Signature of the sponsoring authority with seal