

Government College of Engineering,
Aurangabad

**“Quantum GIS and its applications to
Water Resources Engineering
(QGISAWARE-2016)”
22-26 October, 2016**

Sponsored by TEQIP (Phase II)

REGISTRATION FORM

Name: _____

Class: _____

Organization Address: _____

Address for communication: _____

Mobile/Tel: _____

E-mail: _____

Educational Qualification: _____

Experience: _____

Registration Fee: Rs. _____

D.D.No. _____ Dated: _____

Drawee Bank: _____

Signature of Applicant

Sponsorship and signature of Head of the
Institute (with date and seal)
(Photocopies of registration form are acceptable)

Patrons

Dr. S. K. Mahajan
(Chief Coordinator, SPFU)
Director, Directorate of Technical
Education, Maharashtra State, Mumbai

Prof. Mahesh Shivankar
Joint Director, Technical Education
Regional Office, Aurangabad

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Aurangabad

Convener
Dr. K.A.Patil
Head, Dept. of Civil Engineering

Coordinator
Dr. D. G. Regulwar
Associate Professor and Dean (R&D)
Department of Civil Engineering

ORGANISING COMMITTEE

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Prof. Mrs. S.S.Koranne
Prof. Ms. Pallavi D. Alte
Prof. M Bilal Haji

ONE WEEK TEQIP - SHORT TERM TRAINING PROGRAMME

On

**“Quantum GIS and its applications to
Water Resources Engineering
(QGISAWARE-2016)”
22-26 October, 2016**

Sponsored by
Technical Education Quality Improvement
Programme
(TEQIP Phase II)



In Association With

Indian Society for Hydraulics
(Aurangabad Local Centre)



Coordinator

Dr. D. G. Regulwar

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“In Pursuit of Global Competitiveness”

INTRODUCTION

The objective of this training programme is to make the students to understand the application of Quantum Geographic Information System (QGIS) in water resource engineering. The training will address the importance of geospatial model in hydrology. On completing this training program participants can be able to prepare and work with QSWAT which is an open source hydrology model used to compute surface runoff and various other parameters related to hydrology. Also they will learn to prepare all the data that will be required to work with QSWAT.

DATE AND VENUE

The TEQIP- Short Term Training Programme will be held during **22-26 October, 2016** at Seminar Hall, Department of Civil Engineering, Government College of Engineering, Aurangabad.

COURSE CONTENTS

- ✓ Introduction to GIS and Open Source Softwares
- ✓ Introduction to Quantum GIS
- ✓ Georeferencing Toposheets using QGIS
- ✓ Digitization/Editing
- ✓ Site Selection analysis using QGIS
- ✓ Introduction to QSWAT
- ✓ Preparing LULC Map using Bhuvan Data
- ✓ Introduction to DEM and Surface Analysis
- ✓ Preparing the DEM for the study area
- ✓ Making soil maps for study area
- ✓ Preparing Weather Data using Global Weather and Weather Maps
- ✓ Watershed delineation using QSWAT
- ✓ HRU Analysis
- ✓ Running SWAT Model
- ✓ Introduction to Mobile Mapping

ELIGIBILITY

Faculty members from AICTE approved engineering colleges, pharmacy colleges, and polytechnics, research scholars, UG/PG students and engineers working in industry are eligible to attend the TEQIP-Short Term Training Programme.

REGISTRATION

Candidates should complete the enclosed registration form, and send it by mail/by post to the Coordinator. Confirmation of eligible candidates will be on a first come first served basis up to a maximum of 40 candidates (Approx.). The completed registration forms should be received by the Coordinator by October 15, 2016. The selection of the participants for the TEQIP-STTP will be communicated by e-mail immediately after receipt of registration form and DD till October 15, 2016. After October 15, 2016, even if participant wishes to cancel the registration, registration fees will not be refunded.

REGISTRATION FEE

Faculty Participants : Rs.4000/-
Industry Participants : Rs. 5000/-
Student Participants : Rs. 2000/-

Traveling, Lodging, boarding and other expenses will have to be borne by the candidates. Accommodation will have to be managed by the participants only. However, the guidance will be provided for accommodation. The hotel tariff may range between Rs 700/- to Rs 4500/- per day. All the payments

shall be made by Demand Draft in favour of **Principal, Govt. College of Engineering, Aurangabad** payable at Aurangabad.

FACULTY

The teaching faculty constitutes experts from various engineering disciplines of our institute, IIT's, NIT's, Government/Private Engineering Colleges and GIS consultants. Each session would be followed by interactive sessions on the subject matter.

LECTURE NOTES

To fully realize the objectives of the course, the lecture notes will be made available at the time of registration in CD form.

ABOUT AURANGABAD

Aurangabad is a historic, holy, and a place for tourism in Marathwada region of Maharashtra State. Lord Ghrishneshwar temple, Bhadra Maruti, Saint Eknath Maharaj temple, Daulatabad Fort, Biwi-ka-Makbara, world famous Ajanta and Ellora caves are in close proximity. The city is well connected by roads, rails and air route. The maximum temperature of Aurangabad in October is about 28^oC.

ADDRESS FOR CORRESPONDANCE

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