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Co-Convenor:

Mr Ch.Sukesh, Asst Prof

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Mr. V. Rathna Kumar Asst. Professor

Ms. K. Krishna Veni Asst. Professor

Mr. M. Meghanath Asst. Professor

Mr. M. Ravikanth Asst. Professor

Registration Fee:

No registration fee

Address for Correspondence:

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Advanced Technical Training Program

On

TOTAL STATION SURVEYING

(7th to 18th November, 2017)

At

VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY

Namburu, Guntur

Registration Form

Name: _____

Year: _____ RollNo. _____

Name of the Institution: _____

Address for Correspondence: _____

Phone: _____

Email Id: _____

Place: _____

Date: _____ Signature of Applicant

Sponsorship Certificate

Mr./Ms _____ studying/

working in _____

(College/organization) is sponsored for the above workshop

and he/she will be permitted to attend the workshop, if

Selected.

Date: _____

Signature of the Principal
with seal

**Advanced Technical Training Program**

On

TOTAL STATION SURVEYING

7th to 18th November, 2017

**Organized by**

Department of Civil Engineering

VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY,

Accredited By NBA-AICTE & NAAC-UGC

Namburu, Guntur, Andhra Pradesh, Ph: 0863-2293336

Email: hodcivil@vvit.net

www.vvitguntur.com

About VVIT:

Vasireddy Venkatadri Institute of Technology was established under the aegis of Social Educational Trust, Guntur in the year 2007. It is permanently affiliated to Jawaharlal Nehru Technological University, Kakinada and approved by AICTE. The departments of ECE and IT are accredited by NBA, New Delhi. In a short span of ten years, with an annual intake capacity of 960, 126 and 60 students into B.Tech (CE, EEE, ME, ECE, CSE and IT), M. Tech (CSE, DECS,VLSI&ED, PEED, MD, SE) and MCA programs respectively, today almost 4000 students, 245 teaching staff and 213 non-teaching staff strive to fulfil the vision of VVIT. The college has well qualified and experienced faculty with 30 doctorates. VVIT has emerged as one of the top Ten Engineering Colleges from the 200 engineering colleges affiliated to the J N T U Kakinada. All the classrooms are conditioned equipped with ICT tools. The high-speed Wi-Fi internet connectivity with 100 Mbps is provided. Siemens Centre of Excellency with 15 high technology laboratories including robotics laboratory has been set up to provide training to the students of all the surrounding colleges and unemployed rural youth. It is the youngest Engineering College in the state to achieve this recognition. MoUs with Google Inc. USA for establishing Google Code labs, Stanford University USA under University Innovative Fellowship (UIF) program and Venture Development Centre established by North-eastern University, Boston signify our commitment to quality technical education where VVIT is lauded by the press as the first institution in the state to seal the agreements. VVIT is the first college in the Coastal Andhra Region to install a 100KW solar power plant under Green Technology initiative. A central library with student book bank for all students with access to e-journals, DELNET, NPTEL and IUCEE caters to the academic and research needs of the students. Realizing the slogan that “Everyone Counts,” VVIT has the unique achievement of having placed most of its students in MNCs like Tech Mahindra, Infosys, TCS, Wipro, Athena Health Care, Open Text, Genpact, Sutherlands, CSS Corp, Convergys, Apps Associates, etc. (almost 50 companies) every year. Ten student clubs such as music club, culinary club, dancing club etc. cater to the extracurricular needs of the students. Since 2010, 17 students have been selected as national players and participated as JNTUK university members in various games and sports events at various universities. Three Villages were adopted by NSS Units to contribute services for overall Development.

NCC units 10(A) and 2(A)-armed squadron adds luster to the campus.

Every year Darga to Durga program is being organized to imbibe the national integration among the students’ community. Student Activity Council (SAC) is a very active student body that organizes all the events on the campus effectively and smoothly.

About Civil Engineering Department:

Department of Civil Engineering was started in the year 2010. It has well qualified, experienced and dedicated faculty and committed supporting staff. The laboratories of the department are well equipped and advanced with sophisticated instruments to fully satisfy the training needs of the students, research and consultancy needs of the department as well. The department offers UG program (Two sections) and PG program (Structural Engineering). This department received Academic Excellence Award from the JNTUK in the year 2014. Department organizes seminars, workshops, conferences and expert lectures on the recent advances in civil Engineering practices.

About workshop:

A Total Station or TST (total station theodolite) is an electronic/optical instrument used in modern surveying and building construction. The total station is an electronic theodolite (transit) integrated with an electronic distance measurement (EDM) to read slope distances from the instrument to a particular point. Total stations are mainly used by land surveyors and civil engineers, either to record features as in topographic surveying or to set out features (such as roads, houses or boundaries). They are also used by archaeologists to record excavations and by police, crime scene investigators, and insurance companies to take measurements of scenes. This Workshop provides training on setting and operation of Total Station.

Objectives:

The main objective of this workshop is hands on training in Total Station to give a complete picture on the basics of modern surveying trends and its applications in planning construction, and architectural areas. The students will learn to use the major tools available with Total Station and train to do field survey data collection in practical situations. Students will expose

- To understand the various functions of Total Station
- To gain the knowledge on applications of Total Station
- To have a practical approach for create a detailed Topographical Maps with contours.

The key areas to be delivered in the Training Program are

DATE	KEY AREAS SCHEDULE
07/11/2017	Introduction to Co-ordinate systems
08/11/2017	Field Task for understanding various Co-ordinate systems
09/11/2017	Introduction to total station and basic features
10/11/2017	Setting of total station & Practice for station setup
11/11/2017	Creation of new job, points data collection, instrument shifting techniques
15/11/2017	Field survey
15/11/2017	Exporting field data to computer & Hands on session for processing Field Data in AutoCad, preparation of field map, Generation of contours and overlaying in field map
15/11/2017	Stakeout task & Practice session

Technical Session 1: 08:30AM-12:00PM

Lunch Break: 12:00PM – 1:30PM

Technical Session 2: 01:30PM-4:00PM