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Call for registration and participation in
ONE WEEK SHORT TERM COURSE

ON

EXPERIMENTAL TECHNIQUES AND DATA ANALYSIS
(April 22-26, 2019)

Sponsored by
TEQIP- III, UCE, OU

Organized by

DEPARTMENT OF MECHANICAL ENGINEERING
University College of Engineering (Autonomous)
Osmania University, Hyderabad-500 007
Telangana State, INDIA

&

in association with



DEPARTMENT OF MECHANICAL ENGINEERING
Veer Surendra Sai University of Technology
Burla, Odisha-768 018, INDIA
www.vssut.ac.in

UCE(A), OU, HYDERABAD

The University College of Engineering (UCE) has the distinction of being the oldest and the biggest among the Engineering Colleges of the State of Telangana. Established in the year 1929, eleven years after the formation of Osmania University, it is the 6th Engineering College to be established in the whole of British India. The College moved to its present permanent building in the year 1947. Today it is the biggest among the campus colleges of Osmania University. The platinum Jubilee of the college was celebrated in 2004. The College was made autonomous in 1994. The College offers Bachelor of Engineering, Master of Engineering/Technology and Ph.D. in various branches of Engineering.

ABOUT MED, UCE, OU, HYDERABAD

The Department of Mechanical Engineering was established in the year 1939 at University College of Engineering, Osmania University. It has since then grown significantly by spreading its academic activities in offering various programmes at Undergraduate, Post Graduate and Doctoral level. Currently each year the Department admits 60 students for the Undergraduate programme and 66 for the Post Graduate courses (Production Engineering, Turbomachinery and Automation & Robotics) in regular stream and 45 in part time Production Engineering, Automation & Robotics and Turbo machinery streams. The Department also admits 96 students for post graduate courses (CAD/CAM, Tool Design and DFM) offered in collaboration with CITD. The Department receives research and modernization grants from UGC, MHRD, AICTE and TEQIP. So far the department has awarded more than 115 Ph.D.s. Currently 150 doctoral students are on rolls. The department has well equipped laboratories to facilitate opportunities for experimentation in the areas of Rapid Prototyping, CAD/CAM, Machine Tools & Metrology, Production Engineering, Materials Testing, Metallurgy & Material Science, Thermal Engineering and Heat Transfer. Recently the Department of Mechanical Engineering had celebrated its Platinum Jubilee in 2014.

SCOPE OF THE COURSE

This short term course intends to equip research scholars, scientists and teachers about experimental designs for project work and research activities. To gain complete knowledge about design of experiments while planning experimentation. The topics for the course are:

Data Collection: Collection of primary data, Secondary data, Data organization, Methods of data grouping, Diagrammatic representation of data, Graphic representation of data. Sample Design, Need for sampling, some important sampling definitions, Estimation of population, Role of Statistics for Data Analysis, Parametric V/s Non Parametric methods, Descriptive Statistics, Measures of central tendency and Dispersion, Hypothesis testing, Use of Statistical software.

Data Analysis: Deterministic and random data, Uncertainty analysis, Tests for significance: Chi-square, student's t-test, Regression modeling, Direct and Interaction effects, ANOVA, F-test, Time Series analysis, Autocorrelation and Autoregressive modeling.

RESOURCE PERSONS

Experts from prestigious institutions/organizations
Prof. V.V.Haragopal & Dr.S.A.Jyothi Rani, UCS, OU, Hyderabad
Prof.J. Hayavadana, UCT, OU., Hyderabad
Prof.A. Kumar, MED, NIT Warangal and experts from ISI, Hyd.

VENUE & TIME

Seminar Hall, Dept. of Mechanical Engineering
University College of Engineering (A), O.U.
On 22nd April, 2019 at 9.30 am

PARTICIPANTS

The seminar is open to all faculty, scientists, research scholars and students of all engineering colleges and persons working in industries and research labs.

REGISTRATION FEE

The registration fee is as follows:

<i>Type of delegate from</i>	<i>Fee (Rs.)</i>
Industry / R&D	: 4000.00
Academic institutions	: 3000.00
Research scholars	: 2500.00
Students	: 2000.00

The Cheque / DD may be drawn in favour of :

“ **The Head, Dept. of Mechanical Engineering,**
UCE, OU, Hyderabad ” in any nationalized bank.

IMPORTANT DATE

Last date for receipt of registration form is **20.04.2019**, however spot registration is also there based on the prior intimation by phone/mail.

CONTACT PERSON

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REGISTRATION FORM

**ONE WEEK SHORT TERM COURSE
ON**

EXPERIMENTAL TECHNIQUES AND DATA ANALYSIS

(April. 22-26, 2019)

Sponsored by TEQIP - III, UCE, OU

Name: -----

Date of birth: -----

Designation:-----

Organization: -----

Address: -----

Mobile No. -----

E-mail: -----

Qualifications: -----

Participant signature

Place:

Date:

Authorized signature