ANDHRA UNIVERSITY:
Andhra University is not just one of the oldest educational institutions in the country, but is also the first to be conceived as a residential and teaching-cum-affiliating University, mainly devoted to post-graduate teaching and research. Andhra University was constituted in the year 1926 by the Madras Act of 1926. The 87-year-old institution is fortunate to have Sir C.R.Reddy as its founder Vice-Chancellor, as the steps taken by this visionary proved to be fruitful in the long run. The University has well experienced and expert faculty known worldwide for their research contributions. The alumni of the University occupy important positions in government administration, Industry and research organizations within and outside the country.

ANDHRA UNIVERSITY COLLEGE OF ENGINEERING (A):
The Government of Composite Madras State sanctioned the present Engineering College at Visakhapatnam in 1946 even though the seeds of Technological education were sown when Sugar Technology was started in the year 1933. In 1946, initially the College was located at Cocianada, now called as Kakinada. After the separation of Andhra State in 1953, the Department of Engineering with Mechanical, Civil and Electrical Engineering sections was started as a part of Andhra University. In 1960 it was shifted to a 167 acre land now called the North campus of Andhra University. Over the years, the Andhra University College of Engineering grew from strength to strength and at present offers 17 UG and 42 PG Programs.

ABOUT THE DEPARTMENT:

A Two day WORKSHOP on
Challenges in Structural Design, Dynamics & Testing: Indian Perspective in the Global Scenario (CSDDT – 2014)
(Smart Structures, Structural Health Monitoring & Advanced Design Aspects)

30th-31st January 2014
(Supported by TEQIP Phase - II)

Department of Mechanical Engineering
Andhra University College of Engineering (A)
Visakhapatnam-530 003, Andhra Pradesh

Coordinator
Prof. K. RAMJI

Co - Coordinator
Dr. K.T. BALARAMB PADAL
About the Workshop

This two day workshop will provide a platform to the Research Scholars, Post Graduate students, Faculty Members and Practicing Engineers to understand the challenges about the Design, Dynamics & Testing aspects for various engineering structures. This workshop is intended to provide Engineers/Scientists working in academia as well as in industries with the theory of Design, Dynamics & testing and evaluation of properties of structures such as tensile, impact, hardness, fatigue, fracture toughness, corrosion at room temperature is an usual practice to understand the characteristics of structures. Moreover, the workshop also intends the participants by providing focus on Smart Structural Design and Structural Health Monitoring (SHM) aspects. Under these circumstances, lot of application of engineering structures are being developed and used mainly in boiler industries, nuclear industries, power plant industries, gas turbine industries etc. The present workshop is designed to bridge the gap between the theoretical knowledge and its industrial applications by providing sufficient insights into the relationship between the physical data (e.g., loads, boundary conditions, constitutive behavior, etc) and the finite element and computational dynamics models.

Resource Persons

1. Dr. Upendranath Vanam, NAL, Bengaluru
2. Dr. Srikanth Korla, NIT Warangal
3. Sri R V Vaidyanathan, Sc –F, ADA, Bengaluru

Benefits of Attending the Workshop

Persons who attend the course should benefit in strengthening their background in the following areas:

- A strong understanding of the formulative steps involved in the field of Structural Dynamics from the basic level
- System reliability estimation for time independent and failure dependent models, parameter estimation and helping Engineers create a reliable design
- Structural Design & Dynamics: Theoretical background
- Experimental Structural Dynamics and Structural Health Monitoring
- Advanced Sensing Technologies like Smart Materials
- Low Frequency Vibration Techniques for Structural Health Monitoring
- Solving of Structural problems by using FEM and CFD Techniques
- Practical Sessions

Registration Details

Students & Research Scholars : Rs. 300/-
Faculty : Rs. 500/-
Participants from Industry/R & D: Rs.1000/-

Last Date for Registration: 27th, January, 2014
DD/Cheque In favour of “Coordinator CSDDDT – 2014” Payable at Visakhapatnam

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REGISTRATION FORM

Name : 
Designation : 
Organization : 
Address : 
Tel/Cell : 
E-mail : 

I would like to participate as a delegate. I am enclosing a demand draft payable to the Coordinator, CSDDT-2014 Department of Mechanical Engineering, AUCE (A) Visakhapatnam dated……………………………… for Rs……………………………….(in words) towards the registration fee for CSDDT-2014.

Signature of the Participant

ADDRESS FOR CORRESPONDANCE

Dr. K.T. Balaram Padal, 
Associate Professor 
Co-ordinator (CSDDT-2014) 
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Andhra University College of Engineering (A) 
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Andhra Pradesh, INDIA 
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