A Five Day Faculty Development Programme on
Behaviour of Elasticity and Plasticity of Structures
2\textsuperscript{nd} to 6\textsuperscript{th} December 2019

Organized by
Department of Civil Engineering

VAAGDEVI COLLEGE OF ENGINEERING
AUTONOMOUS
NAAC ‘A’ Grade Accredited
Bollikunta, Warangal 506005
Venue: A Block Auditorium

About VCE Warangal
Vaagdevi College of Engineering (VCE) Autonomous Campus is situated at Bollikunta, Warangal in Telangana state. It was established in 1998 and it has permanent affiliation with Jawaharlal Nehru Technological University, Hyderabad. The campus is located on a sprawling 25 acres land with a perfect blend of infrastructure and rich greenery. The institute is continuously growing with five diverse departments including Civil Engineering Department. It also offers nine post-graduation a Master of Business Administration (MBA) course.

About Department of Civil Engineering
Civil Engineering is a broad field of engineering that deals with the planning, design, construction, and maintenance of different structures like buildings, roads, bridges, canals, dams, water supply and treatment systems etc. The Department was started in the year 2013 with an annual intake of 60 undergraduate students which was subsequently raised to the present annual intake of 180 students. The department also offers one PG Course in Structural Engineering with an annual intake of 24. The department provides state of the art lab facilities in the areas of Structural Engineering, Transportation Engineering, Geotechnical Engineering, Environmental Engineering, Hydraulics and Surveying.

Course Outline
This is a postgraduate course aimed towards providing strong conceptual foundations for developing continuum theories of plastic deformation. In addition we develop several important formulations of plastic flow which are of much practical use in current industrial applications. The course begins with a broad overview of plasticity. Next, all the pertinent concepts from continuum mechanics and thermodynamics are introduced. The general theory of plastic flow is then developed using the theory of continuous distribution of dislocations and irreversible thermodynamics.

Course Content
The workshop will be an amalgamation of a brief overview of Structural behavior in the fields of Structural Engineering by eminent academicians;
The Students will be able to perform elastic and plastic analyses of structures along with an insight into budding problems in the real field brought forth by practitioners.

Course Outcomes
To apply elastic analysis to study the fracture mechanics, and linear elasticity in the design and analysis of structures such as beams, plates, shells and sandwich composites, hyper elasticity to determine the response of elastomer based objects. And analyze the structural sections subjected to torsion. understand various theories of failure and concept of plasticity.
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Registration Form

Name: ..............................................................
Designation: ....................................................
Organisation: ..................................................
Address: ..........................................................

Phone: ............................................................
E-mail: ............................................................
Accommodation required: ..........(Yes / No)

Payment Details

Cash:  ................................................................
Amount: ..........................................................
DD No: ....................Dated .........................
Name of Bank: ..................................................

DD should be in favour of “The Principal Vaagdevi College of Engineering Payable at warangal”. Filled forms should be sent to the co-ordinator.

Signature

About Location

VCE is well connected with road and rail. It is about 10 kms from Warangal Railway station, which is well connected with all cities in India. The institute is 10 kms from the heart of the city (20min drive) and can avail 24hrs public conveyance.

Who Can Attend

Students, Research Scholars, Faculty members, Scientists and Practitioners.

Registrations

Participants: 1000/-
Interested in attending the course should send the confirmation through E-mail or phone to the Coordinators on or before 30th November 2019.

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