BHARTIYA VIDYA BHAVAN'S
SARDAR PATEL COLLEGE OF ENGINEERING
(An autonomous institution affiliated to University of Mumbai)
Bhavan's Campus, Andheri(W), Mumbai

One Week
Training Programme
On

Advanced Structural Non Linear Analysis Using ANSYS

Under Twinning Activity of TEQIP – III
For Mentee Institute
Govt. Engineering College, Rewa, M.P.

16th Dec to 20th Dec 2019



SARDAR PATEL COLLEGE OF ENGINEERING
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ABOUT BHARATIYA VIDYA BHAVAN

Bharatiya Vidya Bhavan is an eminent charitable educational trust having a large number of academic institutes in India and abroad. It was founded on November 7, 1938, by Dr. K. M. Munshi, with the blessings of Mahatma Gandhi and Sahith Cheera. Presently trust is having 117 centres in India, 7 centres abroad and 355 constituent institutions. As per Pandit Jawaharlal Nehru's observation during his first visit to Bharatiya Vidya Bhavan in 1950 "The activities of trust cover all aspects of life from the cradle to the grave and beyond -- it fills a growing vacuum in modern life". The parent body, Bharatiya Vidya Bhavan was among the first educational trusts to have realized the need for quality education.

ABOUT SARDAR PATEL COLLEGE OF ENGINEERING

Sardar Patel College of Engineering under the management of the Bharatiya Vidya Bhavan, was founded by Kulapati Dr. K.M. Munshi. It was established to meet the growing demand for engineering talent. The foundation stone of the college was laid on 17th September 1961 by Shri. Y. B. Chavan (the then chief minister of Maharashtra who later became the defence minister of India). The college was inaugurated by the first Prime Minister of Independent India, Pandit Jawaharlal Nehru in 1962. The college is dedicated to Sardar Vallabhbhai Patel, an eminent nation builder of independent India. The college is autonomous and affiliated to the University of Mumbai for full-time degree and postgraduate degree courses. The Institute has set high standards for aspiring engineering students and also meets the needs of quality education in the challenging world of business. Over the last 50 years, the college has gained an excellent reputation in the field of Technical Education. SPCE is one of the few colleges that have received Grade 'A+' rating for its aided courses from the Govt. of Maharashtra which certifies the spirit of excellence that the institute has symbolized and always practised. Institute is celebrating its golden jubilee in the year2012.

INTRODUCTION

FEM is a powerful technique for the numerical solution of complex engineering problems and to have to ease ANSYS is widely accepted FEM software tool to model, simulate strength, toughness, deflection, fluid flow, temperature distribution and other so many results. This short term training program aims to focus on Structural non linear analysis with ANSYS software. This skill enhancement program helps to understand the non-linearity behaviour, the fundamental behind the non-linearity using the ANSYS software. This course provides basic theoretical and practical knowledge to an engineer to completely perform Structural non linear finite element analysis with ANSYS.

TRAINING PROGRAMME OBJECTIVES

- To create awareness about Structural Nonlinear Analysis
- To guide the students for solving the nonlinear problem by ANSYS
- To provide hands-on training on Computer Implementation of Finite Element Analysis

TRAINING PROGRAMME OUTCOMES

- Students will understand the fundamentals behind Linear and Nonlinear static structural problem
- Students will able to solve various linear and nonlinear engineering problems using ANSYS
- Students will get the knowledge of obtaining various engineering result and interpretation of results.
- It helps in the data validation process using ANSYS software.

COURSE SCHEDULE & EVALUATION

Day	Content
Day- 1	Introduction to ANSYS Static Structural and Modelling
Day- 2	Simulation and Interpretation of Static Structural analysis result
Day- 3	Introduction to ANSYS Static Nonlinear Structural
Day- 4	Modelling, Meshing and application of Boundary Condition
Day- 5	Simulation and Interpretation of results

VENUE

Sardar Patel College of Engineering, Andheri(W), Mumbai-400058

FACULTY/SPEAKERS

Shirsh Techno Solutions, Mumbai
(ANSYS authorized training centre)

IMPORTANT DATES

The course will be organized during
16th Dec to 20th Dec 2019
Deadline for submitting an application:**13th Dec 2019**
Notification of acceptance:
14th Dec 2019

Incomplete application forms will not be entertained. For additional copies of the registration form, please photocopy or type in the format given in registration form section.

ELIGIBILITY

The training program is open to all faculties, Research Scholars and PG students from AICTE/UGC approved engineering institutions, universities and industry professionals.

PATRONS

Dr. Abhay E. Wagh, Director of DTE, Maharashtra,

Dr. Pramod Naik, Joint Director, DTE, Maharashtra

Dr. S.P. Yavalkar (I/C Joint Director, and Dy. Director DTE, Maharashtra State, Mumbai.

Dr. Sesha Iyer, Chairperson, Board of Governors, SPCE, Mumbai

Dr. P. H. Sawant, Principal, SPCE, Mumbai

Dr. B. K. Agrawal, Principal, GEC, Rewa, MP

Dr. M. M. Murudi, Vice Principal, SPCE, Mumbai

Address for Correspondence and Enquiries:

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Coordinator
Dr. Sudhakar U. Umale,
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Link to register:
https://docs.google.com/forms/d/e/1FAIpQLSedMpS_A5MfJW339bp1UbmJESuIa2DXMXiHVeRrPQsF79pwfw/viewform?usp=pp_url

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16th Dec to 20th Dec 2019

Registration Form

Name (in Block Letters):

(Mr./Mrs./Ms./Dr)_____

Designation: _____

Educational Qualification:_____

_____

Mailing Address:_____

_____

Telephone: Office:_____

Residence:_____Cell:_____

Email: _____

Signature of Candidate:_____

_____

Seal and Signature of Sponsoring Authority

*Open for all student and faculty of SPCE, Mumbai and GEC Rewa, MP.