



AICTE ATAL - EduSkills
Faculty Development Program (FDP)
on

ANSYS STRUCTURAL ANALYSIS

Organized by



Supported by



24 Feb - 01 Mar 2025

Hosted by:



**Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College
of Engineering, Satara**
(Affiliated to DBATU, Lonere & Approved by AICTE)

About FDP

Participating in the **Ansys Structural Analysis** Faculty Development Program (FDP) is valuable for educators and institutions involved in engineering and technical education as it equips educators with the knowledge and tools needed to stay current in a rapidly evolving field. It enhances teaching capabilities, strengthens research, improves curriculum, and better prepares students for industry challenges. Ultimately, the program fosters a deeper connection between academia, industry, and technology, ensuring high-quality, industry-relevant education.

Ansys offers a range of structural analysis types, including linear static analysis, modal analysis, nonlinear analysis, and transient dynamic analysis and further it allows learners to customize and automate solutions, analyze multiple design scenarios, and prepare geometry for analysis. The FDP is organized by the Department of Mechanical Engineering.

Impact Analysis

Attendance : 90%

Assessment : 80%

Registration Process

First registration First Confirmation Basis

Registration fees:

Free for EduSkills Member Institutions
(2 Faculties from each member institution)

Registration Form:

<https://forms.gle/u6128poheEs8awzu8>

Topics to be Covered

- Stress analysis in solid mechanics
- Strain in deformation analysis
- Stress and local equilibrium
- Volumetric and deviation behavior
- Linear elastic material
- Thermal strain
- Getting started with Ansys mechanical
- Geometry representation
- Connecting parts together
- Structural boundary conditions
- Numerically Accurate Results
- Results Insight

Resource Person

Mr. Prabhupada Samal

Assistant Manager Learning & Development

Program Co-Ordinators

Dr. Abhijeet Vante

Assistant Professor, (Mechanical Engg.),

KBP College of Engineering, Satara

Mobile: +91 9730470425

E-mail: abhijeet.vante@kbpcoes.edu.in

Mr. Anil Kumar Sahoo

Relationship Manager - EduSkills

Mobile: +91 8093254921

E-mail: rm_mh@eduskills.academy



Chief Patrons

Shri. Dilip Walse Patil

Chairman, BOG
KBP College of Engineering, Satara.

Shri. Chandrakant Dalvi

Chairman,
Rayat Shikshan Sanstha, Satara.

Shri. Vikas Deshmukh

Secretary,
Rayat Shikshan Sanstha, Satara

Dr. Shivling Menkudale

Joint Secretary,
Rayat Shikshan Sanstha, Satara.

Convener

Dr. Abdulrashid Chand Attar

Principal,
KBP College of Engineering, Satara.

Co-Convener

Mrs. Minakshi Shinde

Head,
Department of Mechanical Engineering,
KBP College of Engineering, Satara.

Venue

S-143, CAD/CAM Lab, 2nd Floor,
Department of Mechanical Engineering,
KBP College of Engineering, Satara.

Directions



About Rayat Shikshan Sanstha

The **Rayat Shikshan Sanstha** is one of the leading educational institutions in Asia. The value of its contribution to education in general is enormously great as it has, from the very beginning, tried all its best to lay emphasis on the education of the down-trodden, the poor and the ignorant who really form the major bulk of society. The founder of the institution, late Dr. Karamaveer Bhaurao Patil, was a man of the masses who devoted all his mind and heart to the cause of their education. He had an incisive understanding of the social ills that beset his times and fully realized the dire need of the spread of education. He believed that education alone could correct the social ills such as caste-hierarchy, money-lending, illiteracy, untouchability, superstitions and social and economic inequality.

About Mechanical Engineering Department

The Department of Mechanical Engineering was established in 1998 with a vision of being a center of excellence in the field of mechanical engineering and for creating globally competent engineers fulfilling the needs of industry and society. It offers 4-year Bachelor of Engineering, 2-year Master of Technology. The Department has highly experienced and motivated faculties with good academic and industrial experience. The Department also has state-of-the-art laboratories, digital class rooms, tutorial rooms, faculty rooms and seminar hall.

About KBPCOES

Rayat Shikshan Sanstha's Karmaveer Bhaurao Patil College of Engineering Satara, established in 1983, accredited by NAAC with B++ Grade. The institute has created its unique identity by way of imparting multiple opportunities to students for acquiring quality education; making all round development of their inner traits and making them better citizens. The institute, at present, offers five undergraduate programs and two postgraduate programs.

Salient Features of the Institute:

- 41 Glorious years of excellence in technical education
- Two NBA Accredited courses (Civil engineering & Computer Science and Engineering)
- NAAC Accredited with B++ Grade
- Highly qualified and experienced faculty
- Job opportunities through placement
- Excellent academic track record
- Enriched library with online access
- Well-equipped laboratory and library
- Facilitated with sports and gym equipment



www.kbpcoes.edu.in



Camp Area, Sadar Bazar, Satara
Dist. Satara, Maharashtra, India - 415001
(02162) 233005