



AJEENKYA
D Y PATIL UNIVERSITY
THE INNOVATION UNIVERSITY

**School of
Engineering**

Activity Report

Event Title: Seminar on CAE Software Simulation

Organized by: Pelf Infotech in collaboration with Ajeenkya D Y Patil University.

Date: 4 January & 5 January 2022

Venue: 407 SOE, ADYPU

Faculty Coordinator: Prof. Sameer Agarwal

Participants: Students, Faculties.

Objective:

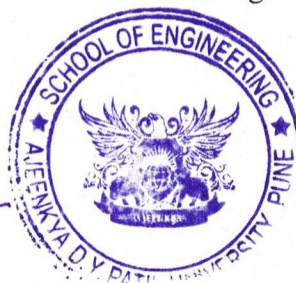
The primary goal of the seminar was to provide participants with comprehensive knowledge and hands-on experience in Computer-Aided Engineering (CAE) software simulation. It aimed to:

- Familiarize attendees with advanced CAE tools for solving complex engineering problems.
- Demonstrate the practical applications of simulation in various industries.
- Enhance the skills of engineering students and professionals to prepare them for industry demands.

Agenda:

Day 1:

- **Inaugural Session**
Welcome address by Ajeenkya D Y Patil University and Pelf Infotech representatives.
- **Introduction to CAE Software**
Overview of different CAE tools such as ANSYS, Abaqus, and their role in simulations.
- **Keynote Presentation**
Presentation on the importance of simulation in design and manufacturing.



- **Hands-On Workshop 1**

Introduction to software interface, model setup, and preliminary simulations.

Day 2:

- **Advanced Simulation Techniques**

In-depth analysis of non-linear simulations, dynamic simulations, and optimization.

- **Industry Use Cases**

Discussion on CAE simulation applications in automotive, aerospace, and other sectors.

- **Hands-On Workshop 2**

Live simulation exercises focusing on real-world engineering challenges.

- **Q&A and Feedback Session**

Open forum for participants to discuss challenges and learnings.

Outcomes:

- Participants gained practical experience in using CAE software for real-world applications.
- Enhanced understanding of simulation techniques for complex engineering problems.
- Industry-oriented skills development, boosting employability for students and professionals.
- Strengthened collaboration between academia and industry in the field of engineering simulation.

Glimpses of the Activity

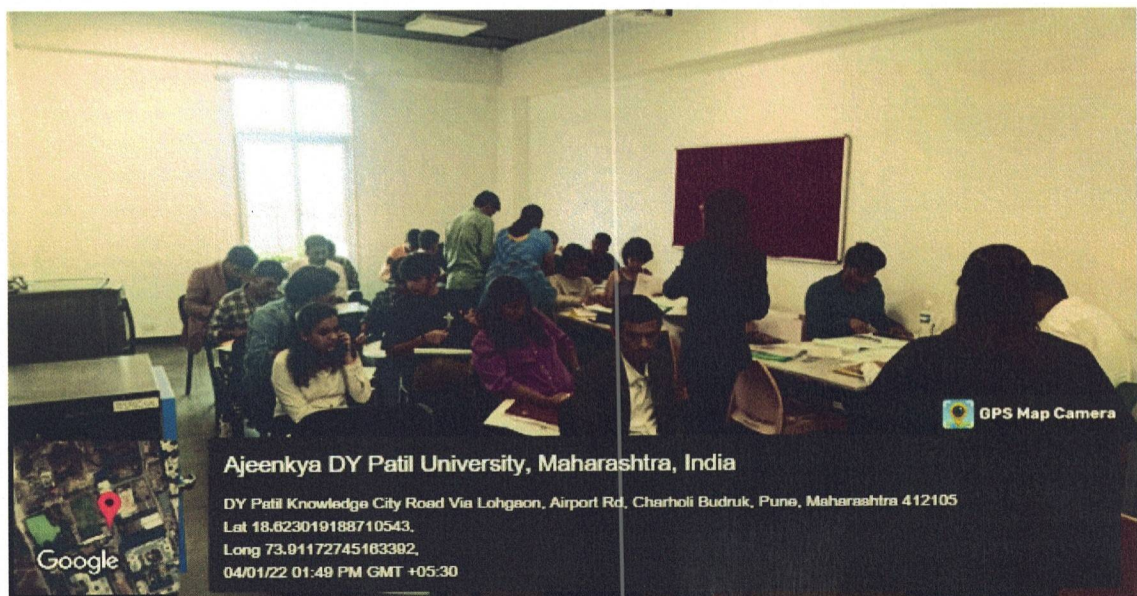


Fig: Seminar on CAE Software Simulation

