

A Report

On

“Workshop – Abaqus software-Jyoti Electronics”

For the Students of Mechanical Engineering Department. (Semester – IV)

On 03rd June 2024. (Monday)

- **Objective:** “Training and Exposure on the working of Abaqus software is to provide participants with a comprehensive understanding of the capabilities, applications, and advantages of using Abaqus for finite element analysis (FEA) and computer-aided engineering (CAE). To familiarize participants with the Abaqus software suite and its components: Abaqus/Standard, Abaqus/Explicit, and Abaqus/CAE.”
- **Venue:** “307-C L.J. Engineering Building
- **Number of Students:** 23 Present out of 33 Students
(IV semester, Mechanical Engineering)
- **Head of the Department:** Mr. Tusar Thakar
- **Faculty Coordinator’s:**
 1. Mr. Bhagyadeep B. Kalal (Asst. Prof. Mechanical Engg. Dept.)

1.1 OVERVIEW:

The number of students who attended the workshop was 23 accompanied by 01 faculty members. On the day of workshop, the faculty attend the seminar which was started at 1:45pm onwards. Initial the Procedure were briefed by expert Mr Mitesh Patel, explain about the of the company profile.

To put it briefly, following sections for the abaqus software.

- What is Abaqus
- Industries which used Abaqus
- What is FEA
- Key feature of Abaqus
- Abaqus Solver
- How it Works
- Type of analysis perform
- Different Material used
- Customer

1.2 Features of Company:

Jyoti Electronics is a recognized techno-trading house based in India (Ahmedabad), serving the Indian market since 1981 while diversified towards the distribution of RF/Microwave design software & related hardware since 2000.

We provide a complete solution to the design software requirements by bringing industry-standard CAD & EM tools which includes circuit simulation tools, system simulation tools, EM simulation tools, & many more. These tools provide you the best option to design & analyze any electrical or RF component covering the frequency range from statics up to the optical regime.

We have a legacy to provide all sort of spaced qualified components including cables, cable assemblies, connectors, a wide range of antennas, and all test & measurement instruments

1.3 Photography

Photography was prohibited inside wokshop.



L. J. INSTITUTE OF ENGINEERING AND TECHNOLOGY – AHMEDABAD.
MECHANICAL ENGINEERING DEPARTMENT



SUMMARY AND OUTCOME OF THE workshop

The workshop enabled the students to

- Recognize the Abaqus software

Below are listed feedbacks of few of the students

1. Practical exposure to student for abaqus.
2. The seminar has helped them to understand their already learned subject.

ACKNOWLEDGEMENT

The coordinators are grateful to the College authorities, Management and the President – Dr. Manish Shah (LJK Trust) for supporting them to carry out such a program and for providing the support. Secondly, the coordinators would like to thank Dr. Prexa H. Parikh – I/C Director (L.J.I.E.T.), who encouraged the coordinators for this program. Also, the coordinators extend their gratitude to the Head of the Department – Mr. Tushar Thakar, who has played a major role by being there at the time of need. Last but not the least; the students did a wonderful job and the coordinators are proud of each of their students.