



सत्यमेव जयते

राष्ट्रीय प्रौद्योगिकी संस्थान रायपुर NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

(An Institute of National Importance)

Under Ministry of Education, Govt. of India

G.E Road, Raipur – 492010 (C.G.)



DEPARTMENT OF MATHEMATICS, NATIONAL INSTITUTE OF TECHNOLOGY NIT RAIPUR

Report on Industrial Visit to JK Lakshmi Limestone Mines and Crusher Plant, Durg

Date of Visit: 11/10/2025

Venue: JK Lakshmi Cement Ltd., Limestone Mines and Crusher Plant, Durg, Chhattisgarh

Participants: M.Sc. Mathematics Students (Semester - I and II), accompanied by Faculty Members of the Department of Mathematics, NIT Raipur

An industrial visit was organized by the Department of Mathematics, NIT Raipur, for M.Sc. Mathematics students to the JK Lakshmi Cement Limestone Mines and Crusher Plant, Durg. The objective of the visit was to expose students to the practical applications of mathematical concepts in industrial processes, particularly in areas related to mining operations, production optimization, and quality control.

The visit began with a safety briefing followed by a guided tour of the limestone mines and crusher plant. Technical experts from JK Lakshmi Cement explained the various stages of limestone extraction, crushing, and processing. They also highlighted the role of mathematical tools and analytical techniques in optimizing production efficiency, resource allocation, and process monitoring.

Students observed the use of automation systems, conveyor mechanisms, and material handling processes, gaining valuable insights into how mathematical modeling, data analysis, and optimization principles are implemented in real-world industrial settings.

The industrial visit proved to be highly informative and beneficial for the students. It provided an excellent opportunity to connect theoretical knowledge with industrial practices. The Department expresses its sincere gratitude to JK Lakshmi Cement Ltd. for their warm hospitality, detailed technical explanations, and for facilitating an enriching learning experience for the students.

Event Photographs

