

## School of Engineering

### Department of Electronics & Communication Engineering

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#### Report on NNRG's Industrial Visit Nuclear Fuel Complex(NFC), moula-ali,hyderabad- 23/02/26

#### Overview of Program

An industrial visit was organized by **Nalla Narasimha Reddy Group of Institutions (NNRG)** for the students of the **Department of Electronics and Communication Engineering (ECE)** to **Nuclear Fuel Complex (NFC), Hyderabad**. The visit was arranged to provide students with practical exposure to industrial processes and advanced technologies used in nuclear fuel production and related engineering applications.

The visit was accompanied by **2 faculty members from the ECE department**. A total of **47 students participated in the visit**, including **14 students from 3rd year ECE and 33 students from 2nd year ECE**. The visit provided an opportunity for students to observe real-time industrial operations and understand the role of electronics and communication systems in large-scale industries.

#### Purpose of the Program

The main objectives of the industrial visit were:

- To provide students with exposure to **real industrial environments**.
- To understand the **manufacturing and technological processes used in Nuclear Fuel Complex**.
- To bridge the gap between **theoretical knowledge and practical applications**.
- To create awareness about **career opportunities in government research and industrial organizations**.
- To understand the role of **electronics, instrumentation, automation, and control systems** used in industrial sectors.

## Program Glimpses



## Program Highlights

- Introduction to **Nuclear Fuel Complex** and its role in India's nuclear energy program.
- Explanation of various **manufacturing and processing units** used for nuclear fuel production.
- Demonstration of **advanced machinery, control systems, and safety mechanisms** used in the industry.
- Interaction with **industry professionals and technical staff**, who explained the working principles and applications of engineering technologies.
- Awareness about **industrial safety standards and quality control procedures** followed in the plant.

## Outcome of the Visit

The industrial visit helped students gain **valuable practical knowledge about industrial operations and nuclear fuel technology**. Students developed a better understanding of how **electronics and communication engineering concepts are applied in real industrial environments**.

The visit also motivated students to explore **career opportunities in research organizations, government industries, and advanced technology sectors**. Overall, the visit was **highly informative and beneficial for academic learning and professional development**.

A handwritten signature in blue ink, appearing to be 'B. Ravi', written on a light-colored surface.

HoD-ECE