

INDUSTRIAL VISIT REPORT

Queen India Engineering Services and NDT Institute
(As part of Innovation & Startup Curriculum for III Year Metallurgy Students)

Date of Visit: 21.08.2025

Venue: Queen India Engineering Services & NDT Institute, No.247, First Floor, KCL Building, Bhavani Main Road, Asokapuram, Erode – 638 004

Coordinators:

- **Mr. J. Yuvaraja**, Lecturer
- **Mr. P. Govindarasu**, Lecturer

Host & Resource Person:

- **Mr. R. Manikandan, M.E., Managing Director**, QIES

1. Introduction

Industrial visits are an integral component of technical education, providing students with opportunities to observe and experience industrial practices in real time. As part of the **Innovation & Startup subject**, the **III Year Metallurgy students** visited **Queen India Engineering Services (QIES)**, Erode on **21st August 2025**.

The visit aimed to expose students to **Non-Destructive Testing (NDT) techniques, startup development processes, and entrepreneurial opportunities** in the engineering services sector. The program was meticulously organized and coordinated by **Mr. J. Yuvaraja** and **Mr. P. Govindarasu**, Lecturers, who guided the students throughout the visit.

2. About Queen India Engineering Services (QIES)

Queen India Engineering Services is a premier institute that specializes in:

- **NDT Training and Certification:** Courses in Ultrasonic Testing (UT), Radiographic Testing (RT & RFI), Liquid Penetrant Testing (LPT), Magnetic Particle Testing (MPI), and Visual Testing (VT).
- **Industrial Services:** Freelance inspection, welding engineering, manpower supply, and quality assurance for sectors such as fabrication, oil & gas, power plants, and foundries.
- **Job Consultancy and Placement:** Career support for engineering graduates aspiring to work in core industries.
- **Project Guidance:** Assistance for Mechanical, Metallurgy, Aeronautical, Production, and Automobile students in project planning, execution, and documentation.

With its emphasis on **technical excellence and industry alignment**, QIES has become a recognized name in both **training and consultancy services** at the regional and national levels.

3. The Startup Journey of QIES

The establishment of QIES is a fine example of how an **idea can evolve into a successful startup**.

- The founder, **Mr. R. Manikandan**, identified a **shortage of skilled and certified NDT professionals** and envisioned a platform to bridge the gap between industry requirements and workforce availability.
- Beginning as a **small consultancy**, the idea gradually expanded into a **full-fledged institute**, offering both training and industrial services.
- The growth of QIES was supported by several **government schemes and initiatives**, including:
 - **MSME Registration**, which provided recognition and credibility as a small-scale enterprise.
 - **Startup India**, which offered compliance benefits, mentorship, and tax exemptions.
 - **MUDRA and Stand-Up India Loans**, which enabled financial investment in training laboratories and advanced NDT equipment.
 - **Skill India Mission**, which aligned the institute's training programs with national skill development initiatives.

Through **vision, technical expertise, and effective utilization of government support**, QIES grew into a strong institution, demonstrating how innovation and entrepreneurship can successfully converge.

4. Highlights of the Visit

1. **Entrepreneurship Session** – Mr. Manikandan delivered an engaging talk on **startup development**, narrating how QIES grew from an idea to a recognized training and service institute.
2. **Technical Demonstrations** – Students witnessed live demonstrations of **Liquid Penetrant Testing (LPT)** and **Ultrasonic Testing (UT)**, gaining insights into their applications in quality control and safety.
3. **Career Guidance** – Detailed inputs were provided on **job opportunities, NDT certifications, and industrial documentation** (WPS, PQR, QA/QC).
4. **Innovation Exposure** – Students learned about **integrating government funding schemes with entrepreneurial ideas** to build sustainable ventures.

5. Outcomes of the Visit (CO5)

The visit met the intended course outcome (CO5) of the Innovation & Startup curriculum.

- Students obtained **practical exposure** to NDT methods and inspection services.
- They learned how **innovative ideas can be transformed into startups** with proper planning and execution.
- The role of **government loan schemes, MSME support, and Startup India benefits** in entrepreneurial success was clearly explained.
- Awareness about **funding opportunities from Government and Non-Government agencies** was enhanced.
- Students were motivated to consider **entrepreneurship and innovation** as viable career paths, beyond conventional employment.

6. Conclusion

The industrial visit to **Queen India Engineering Services** on **21st August 2025** provided students with an invaluable learning experience. By combining **technical demonstrations with startup insights**, the visit successfully bridged the gap between classroom knowledge and industrial practice.

Students not only understood the **importance of NDT in metallurgy and allied industries** but also realized how **government support and funding facilities** can help transform a vision into a successful business model.

This visit has instilled confidence among students to **pursue innovative projects, explore entrepreneurial opportunities, and contribute to the national initiatives of Start-up India and Make in India.**

