S.No.	Student Name	RTU Roll No.	Branch	Current Semester	Company/Organization Name and Location	A brief description of the internship	Any notable outcome
1	Arthad Singh	22ESKME010	Mechanical Engg.	VII	Petronet LNG Limited, GIDC Industrial Estate, Plot No. 7/A, Dahej, Taluka - Vagra, Dist. Bharuch - 392130 Gujarat, India.	• Petronet LNG Limited is an Indian oil and gas company formed by the Government of India to import liquefied natural gas (LNG) and set up LNG terminals in the country. It is India's largest LNG (liquified natural gas) terminal and also one of the largest import terminals in the world. • Mr. Arthad Singh did internship in the mechanical maintenance deptt. dealing with cryogenic equipment (operating temperatures up to -165 degree Celsius), their preventive maintenance and overhauling observed operations of nonstandard equipment like bog compressors worth hudreds of crores. he also got acquainted with safety protocols where failure means catastrophe, along with practical people management in the field.	Suggestion was considered by the head of the mechanical maintenance department as a viable option up for trial.
2	Hardik Babbar	22ESKME018	Mechanical Engg.	VII	Hogwarts School of Drones, MNIT Jaipur	• The training provided hands-on-experience on design and analysis of a fixed-wing unmanned aerial vehicle (UAV) capable of sustained flight at high-altitude conditions, such as those in Leh (≈3500 m above sea level), where reduced air density poses significant aerodynamic and propulsion challenges. • The UAV must be optimized to achieve stable cruise speed, provide sufficient thrust–to–weight ratio for safe operation, and ensure enough endurance for the mission. The key design tasks involved selecting suitable propulsion system components (motor, propeller, ESC, and battery), determining aerodynamic parameters (stall speed, wing area, aspect ratio), and estimating overall power and energy requirements to ensure reliable performance within weight and efficiency constraints.	Mr. Hardik Babbar was able to achieve a stable 7 kg UAV design for 30% reduced air density at high altitudes with optimized wing area to ensure glider configuration and a margin of safety in cases of electronic failure.
3	Nitish Gupta	22ESKME034	Mechanical Engg.	VII	Bosch Limited, Jaipur	During summer internship at BOSCH Ltd., Jaipur, Nitish worked on a project titled "Control Lever Leakage." The goal of the project was to identify and eliminate leakage issues in the control lever assembly. By applying various quality tools such as root cause analysis, Pareto charts, and cause-and-effect diagrams, the root causes of leakage were determined and effective corrective actions were implemented that successfully eliminated the leakage problem. Throughout this internship, I also gained practical knowledge of 5S, Kaizen, and Kanban principles, which enhanced my understanding of lean manufacturing and continuous improvement.	•Offered a paid internship for 6 months by BOSCH Ltd. as a result of outstanding performance during the summer internship. • Successfully eliminated control lever leakage by applying quality tools such as root cause analysis, Pareto charts, and cause-and-effect diagrams. •Proposed an improvement that was implemented and recognized by BOSCH Ltd. as a Quality Problem Solving (QPS) initiative.
4	Shashank Sharma	22ESKME041	Mechanical Engg.	VII	Jindal Stainless Steel, Hisar Haryana	During training, Shashank worked on a research project titled "Ballistic Analysis of Armor Steel: Designing Lightweight Alternatives Using Composite and Fiber Materials." The project aimed to develop lightweight composite substitutes for HNS (High Nitrogen Steel) Armor while maintaining ballistic resistance to enhance mobility and fuel efficiency in armorer vehicles. He collected and analysed data from published research papers to validate the suitability of alternative composite materials for ballistic protection. and also performed numerical simulations using ANSYS to study parameters such as Residual Velocity, Ballistic Limit, and Jacobian Cook Ratio for different material models. Studied the fabrication process of Kevlar Fiber Armor using the Vacuum Resin Infusion Technique, gaining hands-on knowledge of composite processing and reinforcement behaviour.	•Verified and validated composite material data for ballistic applications using ANSYS simulation and SolidWorks software. •Identified material parameters critical to ballistic resistance such as residual velocity and ballistic limit. •Demonstrated understanding of Kevlar Fiber fabrication through the Vacuum Resin Infusion Technique.

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5	Shubh Chugh	22ESKME043	Mechanical Engg.	VII	Indian Institute of Technology, Delhi	During my internship at IIT Delhi, Shubh worked on a project aimed at addressing the energy crisis in rural India. The focus was on Ganganagar village in Rajasthan, which is heavily dependent on expensive and polluting LPG for cooking. His role involved developing a practical, hybrid renewable energy model that integrated biogas production from livestock waste with biodiesel. This approach utilized locally available resources to create a sustainable and cost-effective alternative. The project allowed him to apply theoretical engineering knowledge to a real-world problem, designing a system that could significantly reduce environmental impact and improve energy accessibility for the community.	Designed a sustainable energy solution, enhancing practical skills in renewable systems and cross-disciplinary collaboration.
6	Hari Shankar Kumar	23ESKME018	Mechanical Engg.	V	SG Engineering Works, Jaipur	Completed a 45-day internship at SG Engineering Works, Hari Shankar comprehensively observed and documented the entire bearing cage manufacturing process—from material procurement to final dispatch. He actively participated in material testing, dimensional accuracy checks, and visual inspections, ensuring high-quality standards. This experience deepened his understanding of manufacturing techniques, quality control, and process optimization, while enhancing his technical competence, analytical thinking, and practical engineering skills essential for real-world industrial applications.	Acquired in depth knowledge of the bearing cage manufacturing process, including material testing, machining, and quality inspection. • Developed strong technical and analytical skills through hands-on experience in measurement, documentation, and process evaluation.
7	Yug Jangir	23ESKME058	Mechanical Engg.	V	Pregrad, Noida	Yug completed a 45-day internship as a Data Analyst Intern, working with real production data from Tata Motors. The project involved data cleaning, SQL-based analysis, and visualization in Power BI to identify key production trends, defect rates, and downtime causes. The internship bridged mechanical engineering concepts with data analytics under the framework of Industry 4.0.	•Developed interactive Power BI dashboards for managerial reporting. • Strengthened technical proficiency in Excel, SQL, and Power BI, integrating analytics with mechanical applications.