

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**  
Jnana Sangam, Machhe, Belagavi-590018

**Video QR Code**



**Report QR Code**

**Research/ Industry Internship (21INT82) Report**

**Topic Name**  
**Organization Name**

**Submitted in Partial fulfillment of**  
**BACHELOR OF ENGINEERING DEGREE**  
**IN**  
**ELECTRICAL & ELECTRONICS ENGINEERING**

**Hanumappa Yallalinga Goudar**  
**2TG13EE027**

**Institute Guide**

**Prof. Santhoshkumar G. M.** B.E., M. Tech.  
Assistant Professor  
Dept. of Electrical & Electronics  
Engineering  
TCE, Gadag

**Industry Guide**

**Mr./Mrs. Sulabha Acharya**  
Manager - Projects  
Sulabha Infotech, Bangalore



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**TONTADARYA COLLEGE OF ENGINEERING**  
**MUNDARGI ROAD, GADAG-582 101**  
**2024-2025**

**Insert**  
**The Certificate issued by the Industry**  
**after successful completion of the Internship**



**S.T.S.K. K's**  
**TONTADARYA COLLEGE OF ENGINEERING**  
**GADAG – 582 101**



**DEPARTMENT OF**  
**ELECTRICAL AND ELECTRONICS ENGINEERING**

***CERTIFICATE***

*Certified that, the Research/ Industry Internship Work (21INT82) carried out by Mr./ Mrs. **Hanumappa Yallalinga Goudar (2TG13EE027)**, the bonafide student of Tontadarya College of Engineering, Gadag, submitted the report, in partial fulfillment for the award of Bachelor of Engineering Degree in Electrical & Electronics Engineering of the Visvesvaraya Technological University, Belagavi during the year 2024-25.*

*It is also certified that all corrections/ suggestions indicated for Internal Assessment have been incorporated in the report and deposited in the department library. The report has been approved as it satisfies the academic requirements in respect of work prescribed for the said Degree.*

<b>Signature of the Guide</b> Prof. Santoshkumar G. M. Assistant Professor EEE Dept., TCE Gadag	<b>Signature of HoD</b> Dr. Iranna Korachagaon Professor and HoD EEE Dept., TCE Gadag	<b>Signature of Principal</b> Dr. M. M. Awati Principal TCE Gadag



**S.T.S.K. K's**  
**TONTADARYA COLLEGE OF ENGINEERING**  
**GADAG – 582 101**



**DEPARTMENT OF**  
**ELECTRICAL AND ELECTRONICS ENGINEERING**

***Declaration***

*I/We, bonafide students of the Department of Electrical and Electronics Engineering at Tontadarya College of Engineering, Gadag, hereby declare that the **Research/ Industry Internship Work (21INT82)** has been carried out by me/us, under the supervision and guidance of the Department Staff Supervisor and submitted the report, towards the partial fulfillment for the award of Bachelor of Engineering Degree in Electrical & Electronics Engineering of the Visvesvaraya Technological University, Belagavi during the year 2023-24.*

*I/We also declare that the work has not been submitted previously for the award of any other degree or diploma, by the Institute.*

Hanumappa Yallalinga Goudar (2TG13EE027)

# Acknowledgement

The satisfaction of successful completion of any task would be incomplete without the expression of gratitude to the people who have made it possible. I/ We acknowledge all the people who have guided and encouraged me/ us.

We would like to take this opportunity to thank our guide and the coordinator Prof. Santhoshkumar G. M, Department of Electrical and Electronics Engineering, and the Industry Supervisor Mr. .... from .....(Company Name) for the immense guidance and support, without which this work would have been unthinkable.

I/ We also sincerely thank Dr. Iranna Korachagaon, HoD, Department of Electrical and Electronics, TCE Gadag for his valuable suggestions and support.

I/ We extend our gratitude to Dr. M. M. Awati, Principal, TCE Gadag, for his generous support in all regards.

I/ We extend our heartfelt thanks to all the faculty members, teaching and non-teaching staff of Department of Electrical and Electronics Engineering, TCE Gadag, who have helped me/ us directly or indirectly for the completion of this work.

# Executive Summary of the Industry

An executive summary is a concise overview of a company or industry designed to give readers a quick yet comprehensive understanding of the key points. The contents of an executive summary typically include the following:

## 1. Company/Industry Overview

- **Company/Industry Name:** Name of the company or industry being discussed.
- **Mission Statement:** The company's core purpose or the industry's primary focus.
- **Vision Statement:** Long-term goals or aspirations.
- **History and Background:** Brief history, including when it was founded, key milestones, and growth trajectory.

## 2. Products and Services

- **Key Offerings:** Overview of the main products or services provided by the company or the types of products/services prevalent in the industry.
- **Unique Selling Proposition (USP):** What sets the company apart from competitors or what makes the industry unique.

## 3. Market Analysis

- **Target Market:** Description of the primary customer base.
- **Market Size and Growth:** Data on market size, trends, and expected growth.
- **Competitive Landscape:** Overview of key competitors and the company's or industry's positioning.

## 4. Business Model

- **Revenue Streams:** Explanation of how the company or industry generates revenue.
- **Operational Model:** High-level overview of how the company or industry operates.

## 5. Financial Overview

- **Key Financial Metrics:** Brief summary of financial performance, including revenue, profit margins, and key ratios (if applicable).
- **Funding and Investments:** Details on funding received, investments made, or significant financial transactions.

## 6. Strategic Goals and Objectives

- **Short-Term Goals:** Immediate objectives and strategies to achieve them.
- **Long-Term Goals:** Vision for the future and long-term strategic plans.

## 7. Key Challenges and Opportunities

- **Challenges:** Major obstacles the company or industry faces.
- **Opportunities:** Potential areas for growth or improvement.

## 8. Management and Leadership

- **Key Personnel:** Introduction to the leadership team or key figures in the industry.
- **Organizational Structure:** Brief overview of the organizational setup (optional).

## 9. Conclusion

- **Summary of Key Points:** Recap of the most important aspects covered in the summary.
- **Call to Action:** Next steps, such as a proposal for further discussion, investment, or strategic partnership (if applicable).

## 10. Appendix (Optional)

- **Supporting Documents:** Any additional documents or data that support the executive summary, such as charts, graphs, or detailed financial statements.

This structure ensures that the executive summary provides a comprehensive yet concise overview that is easy to digest, especially for stakeholders or decision-makers who may not have time to go through a full report.

# Add few images of the Company

# Learning objectives during the Internship

This internship for an engineering student is a critical part of their education, providing practical experience and helping bridge the gap between academic knowledge and real-world application. During an internship at an industry or company, an engineering student is expected to acquire the following key learning outcomes:

## 1. Technical Skills

- **Application of Theoretical Knowledge:** Applying engineering principles learned in the classroom to real-world projects.
- **Industry-Specific Tools and Technologies:** Gaining proficiency in industry-standard software, tools, and equipment used in the field.
- **Project Management:** Understanding how to plan, execute, and manage engineering projects, including timelines, resources, and deliverables.
- **Problem-Solving:** Learning how to identify, analyze, and solve engineering problems in a practical setting.

## 2. Industry Exposure

- **Understanding Industry Standards and Practices:** Familiarity with the standards, regulations, and best practices followed in the industry.
- **Insight into Industry Trends:** Observing and understanding current trends and advancements in the engineering field.
- **Real-World Challenges:** Exposure to the challenges and constraints faced by professionals in the industry, such as budget limitations, time constraints, and safety concerns.

## 3. Professional Skills

- **Communication Skills:** Developing the ability to effectively communicate technical information to colleagues, supervisors, and clients, both in writing and verbally.
- **Teamwork and Collaboration:** Gaining experience working in multidisciplinary teams, collaborating with other engineers, technicians, and professionals.
- **Time Management:** Learning to manage time effectively, balancing multiple tasks and meeting deadlines.
- **Ethics and Professional Responsibility:** Understanding the ethical considerations and professional responsibilities in engineering practice.

#### 4. Project-Based Learning

- **Hands-On Experience:** Participating in or leading projects that require hands-on engineering work, such as design, testing, analysis, or manufacturing.
- **Innovative Thinking:** Encouraging creativity and innovation in solving engineering problems or improving processes.
- **Documentation and Reporting:** Learning how to document work, maintain records, and create reports that are clear, accurate, and professional.

#### 5. Networking and Career Development

- **Industry Networking:** Building professional relationships with peers, mentors, and industry experts that can be valuable for future career opportunities.
- **Career Path Exploration:** Gaining insights into different career paths within the engineering field and understanding where their interests and strengths may lie.
- **Feedback and Improvement:** Receiving constructive feedback from supervisors and mentors to identify areas for improvement and development.

#### 6. Understanding Business and Economic Aspects

- **Cost Awareness:** Learning about the cost factors involved in engineering projects, including materials, labor, and time.
- **Client Interaction:** Gaining experience in dealing with clients, understanding their needs, and managing client expectations.
- **Quality Control:** Understanding the importance of quality assurance and control processes in delivering successful projects.

#### 7. Adaptability and Continuous Learning

- **Adaptability to Workplace Environment:** Adapting to the culture, policies, and procedures of the workplace.
- **Continuous Learning:** Recognizing the need for continuous improvement and lifelong learning in the fast-evolving field of engineering.

#### 8. Safety and Compliance

- **Health and Safety Practices:** Learning about workplace safety protocols, risk management, and compliance with safety regulations.
- **Environmental Considerations:** Understanding the environmental impact of engineering practices and learning about sustainable engineering solutions.

These learning outcomes help prepare engineering students for the transition from academic study to professional practice, making them more competitive in the job market and better equipped to contribute to the industry.

# Weekly Activity Log Book

<b>Day &amp; Date</b>	<b>Brief Description of the Daily Activity</b>	<b>Learning Outcomes</b>	<b>Signature of the Student</b>
<b>Mon</b>			
<b>Tue</b>			
<b>Wed</b>			
<b>Thu</b>			
<b>Fri</b>			
<b>Sat</b>			
<b>Sun</b>			

# Weekly Report

From (Date) ..... to (Date) .....

Name of the Student Intern								
Summary of the weekly activity carried out								
Focus on the learning objectives (✓)	1	2	3	4	5	6	7	8
Summary of the Learning made with images								
Name and Signature of the Industry Supervisor with Date					Name and Signature of the Institute Supervisor with Date			

Add GPS stamped image here showing your involvement in the work

Image 1

Description of the Image

Add GPS stamped image here showing your involvement in the work

Image 2

Description of the Image

# Student Self Evaluation during the Internship

Name of the Student and USN					
Period of Internship	From (From)..... To (Date) .....				
Name of the Industry/ Organization					
Learning Outcomes	Levels achieved (Self Evaluation) (✓)				
Technical Skills	1	2	3	4	5
Industry Exposure	1	2	3	4	5
Professional Skills	1	2	3	4	5
Project-Based Learning	1	2	3	4	5
Networking and Career Development	1	2	3	4	5
Understanding Business and Economic Aspects	1	2	3	4	5
Adaptability and Continuous Learning	1	2	3	4	5
Safety and Compliance	1	2	3	4	5
Overall	1	2	3	4	5
Remarks					
Date	Signature of the Student				

# Conclusion

During my internship at [Company Name], I have had the invaluable opportunity to apply the theoretical knowledge gained in my academic studies to real-world engineering projects. This experience has significantly enhanced my technical skills, particularly in using industry-standard tools and technologies. Working on actual projects allowed me to understand the intricacies of project management, from planning and execution to delivering results within set timelines. The challenges faced during this period have honed my problem-solving abilities, teaching me how to analyze and address complex engineering issues effectively.

Beyond the technical aspects, this internship has been instrumental in developing my professional skills. Collaborating with multidisciplinary teams has improved my communication and teamwork abilities, while also exposing me to the importance of clear and precise documentation. The feedback received from my supervisors has been invaluable in identifying areas for personal and professional growth. Moreover, being immersed in the industry's environment has given me a deeper understanding of the ethical responsibilities and the importance of adhering to industry standards and practices.

In conclusion, my internship experience has been a transformative journey, bridging the gap between academic learning and practical application. It has provided me with a comprehensive understanding of the engineering industry, from technical execution to business considerations such as cost management and client relations. The exposure to real-world challenges, combined with the opportunity to network with industry professionals, has not only solidified my passion for engineering but also prepared me for the dynamic and evolving demands of the profession. As I move forward, I am confident that the skills and insights gained during this internship will be invaluable in shaping my future career.

To,

Dear Sir/ Madam,

Subject: Request for 15 to 16-Week Internship Opportunities for Engineering Students

I hope this letter finds you well. As the Faculty Coordinator for Tontadarya College of Engineering Gadag (Karnataka) [www.tce.ac.in](http://www.tce.ac.in), I am writing to explore internship opportunities for our final year engineering students with your esteemed organization.

We seek 16-week internships for our students to gain practical experience. Our students are ready to undertake the suitable responsibilities with you and are eager to contribute to your projects.

Internships at your esteemed Company/ Industry will:

1. Provide real-world industry exposure.
2. Enhance their engineering skills.
3. Develop teamwork and communication abilities.

We believe your association with us will be valuable to the students with this initiative. We request you to provide the internship schedule from September 09, 2024 onwards for 15 to 16 weeks full time for the students -


Thank you for considering our request. Please feel free to contact me for further details required if any. A copy of Institute Brochure is enclosed for your kind information please.

Sincerely,

Prof. Mahant G. Kattimani  
Faculty Coordinator, T&P  
Tontadarya College of Engineering  
Gadag