

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



**Internship Report on**

**“Effective Method of Power Generation with Waste Heat  
Using ThermoElectric Generator”**

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

**Hanumappa Yallalinga Goudar  
2TG13EE027**

**Institute Guide**

**Prof. Tahseen H Shigli. 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  
2025-2026**

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 Internship Work entitled “**Effective Method of Power Generation with Waste Heat Using ThermoElectric Generator**” 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 2025-26.*

*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.*

**Signature of the Guide**

Prof. Tahseen H Shigli  
Assistant Professor  
EEE Dept., TCE Gadag

**Signature of HoD**

Dr. Iranna Korachagaon  
Professor and HoD  
EEE Dept., TCE Gadag

**Signature of Principal**

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 Internship Work entitled “**Effective Method of Power Generation with Waste Heat Using ThermoElectric Generator**” 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 2025-26.*

*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)

Signature

# 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. Prof. Tahseen H Shigli, 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.

# 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				



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## **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.