

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
Jnana Sangam, Machhe, Belagavi-590018

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Mini-Project 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**

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Under the guidance of

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

2025-2026



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DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE

Certified that, the Mini-Project 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 mini-project work prescribed for the said Degree.

Signature of the Guide Prof. Santoshkumar G. M. 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



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Declaration

*I/We, bonafide students of the Department of Electrical and Electronics Engineering at Tontadarya College of Engineering, Gadag, hereby declare that the Mini-Project 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)

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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 Dr. Mallikarjuna G. D., Department of Electrical and Electronics Engineering, 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.

Plagiarism Report