

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi, Accredited by NAAC and affiliated to Jawaharlal Nehru
Technological University, Kakinada)
Surampalem-533437, Peddapuram, E.G.Dt., AP

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the thesis/dissertation entitled “**PERFORMANCE CHARACTERISTIC ANALYSIS OF HEAT RECOVERY IN V.A.R.S GENERATOR BY USING EXHAUST GAS OF ICENGINE**” is being submitted by Mr. **JAMI PAPARAO** bearing Regd...No **15P31D2103** in partial fulfillment for the award of **MASTER OF TECHNOLOGY** in **THERMAL ENGINEERING** to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by him/her under our guidance and supervision.

The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

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Signature of Head of the Department

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EXTERNAL EXAMINER

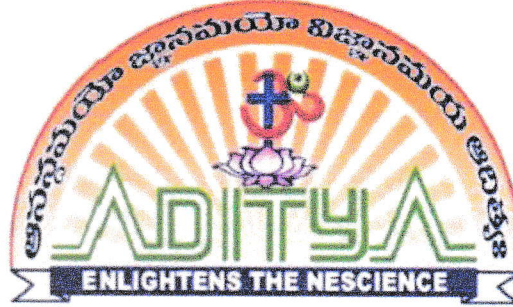
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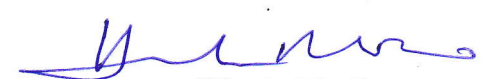
CERTIFICATE

This is to certify that the thesis entitled **EXPERIMENTAL AND CFD ANALYSIS ON DOUBLE PIPE HEAT EXCHANGER USING PLAIN TWISTED TAPE INSERTS** is being submitted by **Mr. KOMARTHI GANGADHAR** bearing **Regd. No 15P31D2105** in partial fulfilment for the award of **MASTER OF TECHNOLOGY** in **THERMAL ENGINEERING** to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by him under our guidance and supervision.

The results embodied in this thesis have not been submitted to any other University Institute for the award of any degree or diploma.


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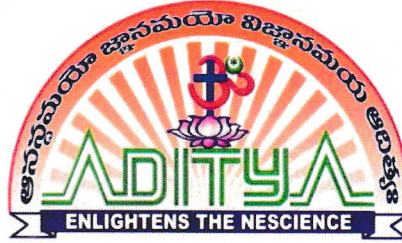
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CERTIFICATE

This is to certify that the thesis/dissertation entitled “**THERMAL ANALYSIS OF SHELL AND TUBE HEAT EXCHANGER USING CORRUGATED TUBE AND CORRUGATED SHELL**” is being submitted by Miss.**MONDRETI MAKARA JYOTHI** bearing Regd...No **15P31D2108** in partial fulfilment for the award of **MASTER OF TECHNOLOGY** in **THERMAL ENGINEERING** to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by her under our guidance and supervision.

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