

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY  
KAKINADA**



**“EXPERIMENTAL INVESTIGATION ON MECHANICAL  
PROPERTIES OF AL7085/TIC METAL MATRIX  
COMPOSITES”**

A project report Submitted to  
Jawaharlal Nehru Technological University Kakinada

In partial fulfillment for the award of the degree of

**MASTER OF TECHNOLOGY  
in  
MACHINE DESIGN**

Submitted by

**M.KOTESWARA RAO  
(18H71D1501)**

Under the Esteemed Guidance of

**RANJITH KUMAR REMALLE, M.Tech  
Associate Professor  
DEPARTMENT OF MECHANICAL ENGINEERING**

  
**PRINCIPAL**  
**Dr. HS MIC College of Technology**  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh India



Devineni Venkata Ramana & Dr.Hima Sekhar  
**MIC College of Technology**  
**(Autonomous Institution)**  
Kanchikacherla, Krishna Dist, PIN:521180,A.P,India  
2021-2022

**NBA-Accredited**  
B.Tech (CSE|ECE|EEE|ME)

Accredited by  
**NAAC A**  
With Grade A

An ISO 9001:2008  
Certified Institute



Devineni Venkata Ramana & Dr.Hima Sekhar  
**MIC College of Technology**  
**(Autonomous Institution)**  
Kanchikacherla, Krishna Dist, PIN:521180,A.P,India



## DEPARTMENT OF MECHANICAL ENGINEERING

### CERTIFICATE

This is to certify that the Project entitled “**EXPERIMENTAL INVESTIGATION ON MECHANICAL PROPERTIES OF AL7085/TIC METAL MATRIX COMPOSITES**” is a bonafide work carried out by **M.KOTESWARA RAO (18H71D1501)** in partial fulfilment for the award of degree of Master of Technology in **MACHINE DESIGN** of **DVR & Dr. HS MIC College of Technology** during the year 2021-22.

  
Supervisor

( Mr.R.RANJITH KUMAR )

  
Head of the Department

( Dr.D.V.SIVA REDDY )

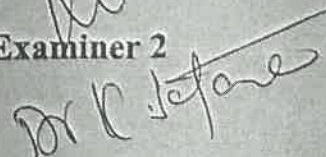
  
Principal

(Dr. K.SRINIVAS)

  
Examiner 1

  
PRINCIPAL  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180

  
Examiner 2

  
Dr. K. Srinivas