



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA**  
**KAKINADA-533003, Andhra Pradesh (India)**

**Prof. V. Ravindra**

B.Tech., M.E., Ph.D (IITB), MISTE, FIE

**Professor of Civil Engineering & Director Research and Development**

Sub: JNTUK – Admission to Ph.D Programme for the academic year – 2022-23

Ref: DA / Admission Letter No.: 2034, Dated: 25.01.2023.

1. Name of the Candidate : Mr. Gandhi Prakash Panem  
(Address, Mobile & email id) : D. No: 3-41,  
Maseed Road,  
Kambhampadu (Post),  
A. Konduru (Mandal),  
NTR District-521227  
M: 9052810659  
E-mail: pgandhiprakash@gmail.com
2. Department / Branch : **Computer Science and Engineering**
3. Supervisor Name and Designation : **Dr. G. Sai Chaitanya Kumar**  
(Address, Mobile & e-mail id) : Associate Professor,  
Department of CSE,  
DVR & Dr. HS MIC College of Technology,  
Kanchikacherla-521180  
M: 9505865601  
E-mail: saijntuhphd@gmail.com
4. Co-Supervisor Name and Designation : N/A  
(Address, Mobile & email id)
5. Area of Research : Deep Learning, Machine Learning & CS
6. Topic of Research : Exploring the Application of Deep Learning in  
Autonomous Vehicles to improve Object Detection,  
Scene Understanding, and Decision-making  
capabilities for safer and Efficient Transportation
7. Roll No. : 22022P0578

The student has to pay an amount of Rs.30,000/- (Rupees Thirty Thousand only) from Second year onwards towards yearly fee on or before 31<sup>st</sup> July of every year.

**Director Research and Development**  
**Director, Research and Development**  
**JNT University Kakinada**  
**Kakinada - 533003**

Copy to the Supervisor / Co-Supervisor

Copy to the Director, Research and Development

**PRINCIPAL**

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

SENTIMENTAL ANALYSIS OF TWITTER DATA USING NLP

AND MACHINE LEARNING TECHNIQUES

*A Project Report  
submitted in partial fulfillment of the  
requirements for the award of the Degree of*

**MASTER of Technology**

**In**

**Computer Science**

*by*

**K. JYOSHNA PRIYA**

**(20H71D5801)**

*Under the esteemed guidance of*

**Dr. G. SAI CHAITANYA KUMAR**

**Associate Professor**



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

**Department of Computer Science & Engineering**

**DVR & Dr. HS**

**MIC College of Technology**

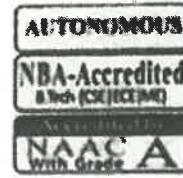
**(Autonomous)**

**Kanchikacherla- 521180, NTR Dist, Andhra Pradesh**

**July, 2022**



**DVR & Dr. HS**  
**MIC College of Technology**  
ISO 9001:2015 Certified Institute  
(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)  
Kanchikacherla - 521180, Krishna Dist, A.P, India.



## CERTIFICATE

This is to certify that the project report entitled **SENTIMENTAL ANALYSIS OF TWITTER DATA USING NLP AND MACHINE LEARNING TECHNIQUES** submitted by Ms. **KOTTA JYOSHNA PRIYA** to the DVR & Dr.HS MIC College of Technology in partial fulfillment of the requirements for the award of the Degree Master of Technology in **Computer Science** is a bonafide record of work carried out by him/her under my/our guidance and supervision. The contents of this report, in full or in parts, have not been submitted to any other Institute for the award of any Degree.


  
Supervisor

  
Head of the Department

  
Principal

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

  
Internal Examiner

  
External Examiner

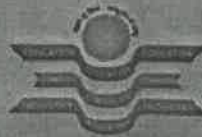
**Dynamic Pattern Evaluation Using Fuzzy C-means Clustering  
For Handling High Dimensional Data**

**A Project Report  
submitted in partial fulfillment of the  
requirements for the award of the Degree of**

**Master of Technology  
In  
Computer Science**

**By  
V.Sai Prasanna  
(21H71D5801)**

*Under the esteemed guidance of*  
**Dr. G. SAI CHAITANYA KUMAR**  
Associate Professor



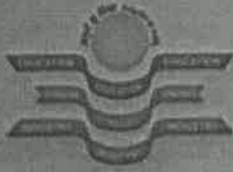
  
**PRINCIPAL**  
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Andhra Pradesh, India - Pin: 521180

**Department of Computer Science & Engineering**

**DVR & Dr. HS  
MIC College of Technology  
(Autonomous)**

**Kanchikacherla-521180, NTR District, Andhra Pradesh**

**July, 2023**



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### CERTIFICATE


This is to certify that the project report entitled "Dynamic Pattern Evaluation Using Fuzzy C-means Clustering for Handling High Dimensional Data" submitted by Ms. V. Sai Prasanna (21H71D5801) to the DVR & Dr. HS MIC College of Technology in partial fulfillment of the requirements for the award of the Degree Master of Technology in Computer Science is a bonafide record of work carried out by him/her under my/our guidance and supervision. The contents of this report, in full or in parts, have not been submitted to any other Institute for the award of any Degree.


  
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