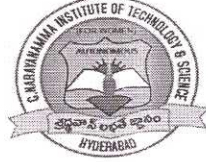


G. Narayanamma Institute of Technology & Science
(Autonomous) (For Women)
Shaikpet, Hyderabad 500104.

Department of Computer Science and Engineering



Certificate

This is to certify that the Mini Project report on “**Silent Speech Recognition: Automatic Lip Reading Model using 3D CNN and GRU.**” is a bonafide work carried out by **P.Santhi (20251A0549), P.Pravallika (20251A0550), S.Rajeshwari (20251A0552), S.Keerthana (20251A0554)** in the partial fulfillment for the award of B.Tech degree in Computer Science and Engineering, G. Narayanamma Institute of Technology & Science (Autonomous), Hyderabad affiliated to Jawaharlal Nehru Technological University, Hyderabad under our guidance and supervision.

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

Pallavi Reddy
Internal Guide

for **Dr.D Manju,**
Assistant Professor,
Department of CSE

M. Seetha
Head of the Department

Dr. M. Seetha
Professor and Head
Department of CSE