

# DEPT. OF ELECTRONICS & COMMUNICATION ENGG

## CERTIFICATE

THIS IS TO CERTIFY THAT THE MINI PROJECT ENTITLED

### PROGRAMMING 2DOF ROBOT ARM BASED ON REVERSE KINEMATICS USING ARDUINO


IS THE BONAFIDE WORK OF

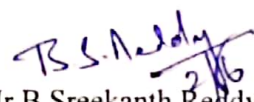
PANTHAM APURVA	(20251A04G7)
PULLA GAYATHRI	(20251A04E1)
UDUTHA SATHWIKA	(20251A04E9)
PERUPANGU MANISHA	(20251A04G9)

SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE AWARD  
OF DEGREE OF BACHELOR OF TECHNOLOGY IN ELECTRONICS AND  
COMMUNICATION ENGINEERING DURING THE YEAR 2022-2023

for K. Ragini:  
2/6/23

Dr.B.Venkateshulu  
PROF & HOD, ECE

  
PRINCIPAL  
G. Narayanamma Institute of  
Technology & Science (for women)  
(AUTONOMOUS)  
Shaikpet, Hyderabad - 500 104

  
Mr.B.Sreekanth Reddy  
GUIDE