

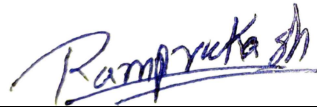
The LNM Institute of Information Technology  
Jaipur, India

## CERTIFICATE

This is to certify that the project entitled “IMAGE ENHANCEMENT AND TRANSFORMATION BASED ATTACKS ON FINGERPRINT PRESENTATION ATTACK DETECTION SYSTEMS” , submitted by Shaik Dastagiri (19ucs112), Sireesh Devraj (19ucs142) and OBS Praveen (19uec099) in partial fulfillment of the requirement of degree in Bachelor of Technology (B. Tech), is a bonafide record of work carried out by them at the Department of Computer Science and Engineering, The LNM Institute of Information Technology, Jaipur, (Rajasthan) India, during the academic session 2022-2023 under my supervision and guidance and the same has not been submitted elsewhere for award of any other degree. In my/our opinion, this report is of standard required for the award of the degree of Bachelor of Technology (B. Tech).

19-07-2023

Date



Adviser: Dr. Ram Prakash Sharma