

# DEPARTMENT OF INFORMATION TECHNOLOGY

## KONGU ENGINEERING COLLEGE


(Autonomous)

PERUNDURAI ERODE – 638 060

APRIL 2021

### BONAFIDE CERTIFICATE

This is to certify that the Project Report entitled “CLUSTER REDUCTION IN 5G NETWORKS USING PARTICLE SWARM OPTIMISATION” project work done by HARINI.B(17ITR034), KEERTHIVASAN.M.K(17ITR050), DINESH KUMAR.P(17ITR026) in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology in Information Technology of Anna University, Chennai during the year 2021.

  
14/8/2021  
SUPERVISOR

  
HEAD OF THE DEPARTMENT

HEAD  
(Signature with seal)  
DEPT. OF INFORMATION TECHNOLOGY  
SCHOOL OF COMM. AND COMPUTER SCIENCES  
KONGU ENGINEERING COLLEGE  
THOPPUPALAYAM (PO)  
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Date: 14-8-21

Submitted for the end semester viva voice examination held on 20/4/2021

  
20/4/21  
INTERNAL EXAMINER

  
EXTERNAL EXAMINER