



G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE
(AUTONOMOUS)
(For Women)

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CERTIFICATE

Date: 04/12/2021

This is to certify that the Major Project report entitled "Improving Spectral Efficiency and Spectral Efficiency in Small cell Massive MIMO Systems using RZF Beam-Forming ", that is being submitted by Gurram Rajini with Roll no.19251D6506 in partial fulfillment of the award of M. Tech in Wireless and Mobile Communications, to the Jawaharlal Nehru Technological University, Hyderabad is a record of bonafide work carried out by her under our guidance and supervision in the academic year 2020-2021.


Internal Guide

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EXTERNAL EXAMINER