



## G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE

Accredited by NAAC of UGC upto 20-02-2019 (For Women) (Sponsored by G. Pulla Reddy Charities Trust, Hyderabad.) (Accredited by NBA (from May 2007 to April 2010) Approved by AICTE & Affiliated to J N T U - H) # 8-1-297/2/I, Shaikpet, Hyderabad - 500 008. T.S. INDIA E-mail : principalgnits97@gmail.com, Website : www.gnits.ac.in

## **CERTIFICATE**

This is to certify that the project report entitled, "EFFECTIVE SPARSE CHANNEL ESTIMATION TECHNIQUE FOR MIMO-OFDM SYSTEM, that is being submitted by Shaik Zubiya Hashmi (17251D6514) in partial fulfillment of the requirements for 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 inacademic year 2018-2019.

10 ailarahu -

Internal Guide Mrs. M.Vijaya Lakshmi Assistant Professor Dept. of ETM

LL R

Head of the Department Dr. K. Rama Linga Reddy Professor & HOD Dept. of ETM