

The Board of Management of the
Vellore Institute of Technology (VIT)
hereby confers on



GUDLA VISHNU VARDHAN

the degree of

DOCTOR OF PHILOSOPHY

in recognition of the research work entitled

**SPECTRAL AND ENERGY EFFICIENT SPATIAL MODULATION TECHNIQUES FOR
NEXT GENERATION WIRELESS NETWORKS**

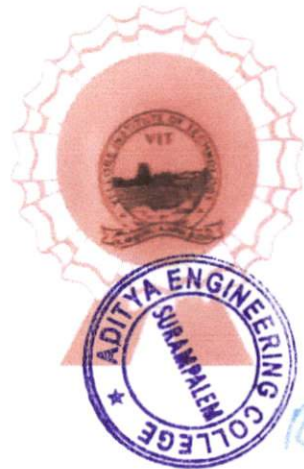
for having fulfilled the prescribed requirements.

The degree has been awarded in compliance with the
"University Grants Commission, Regulations 2009"

given this day the 24 March 2021



Given under the seal of this university



R.B. Kodali
Vice - Chancellor

[Signature]
PRINCIPAL
Aditya Engineering College
SURAMPALAM
Chancellor

Dated: 07-Sep-2021

Vellore - 632 014, Tamil Nadu, India