



ACHARYA NAGARJUNA UNIVERSITY
ఆచార్య నాగార్జున విశ్వవిద్యాలయము



FACULTY OF PHYSICAL SCIENCES

This is to certify that

Mr./Ms. Narendrudu Thiriveedhi

S/O Balakotilingam

has been duly admitted to the

Degree of Doctor of Philosophy

in this University, he/she having been declared to be qualified to

receive the same with effect from 26 April 2017

in the Department of PHYSICS

Title of the Thesis :

Structural and spectroscopic investigations of
 $\text{PbO-GeO}_2\text{-SiO}_2\text{:Nb}_2\text{O}_5$ glass system and doped
with VI B group transition metal oxides



Seal under the Seal of the University



Nagarjuna Nagar-522-510,
A.P., India

Date: 5. SEP 2018

Signature
PRINCIPAL
Aditya Engineering College
SURAMPALAM

Signature
Vice-Chancellor