



ACHARYA NAGARJUNA UNIVERSITY
ఆచార్య నాగార్జున విశ్వవిద్యాలయము



FACULTY OF PHYSICAL SCIENCES

This is to certify that

Mr./Ms. Girajala Chinna Ram

S/O Pedda Kapu

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 06 August 2018

in the Department of PHYSICS

Title of the Thesis :

Investigations on optical and luminescence features of Dy^{3+} and Pr^{3+} ions in lead bismuth phosphate glasses mixed with some sesquioxides

The Degree has been awarded in accordance with UGC regulations 2009



Given under the Seal of the University



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

Date: 30 JAN 2019

[Signature]

PRINCIPAL

Aditya Engineering College
SURAMPALAM

[Signature]

Vice-Chancellor