

ANDHRA UNIVERSITY  
ఆంధ్ర విశ్వకళాపరిషత్



FACULTY OF SCIENCE

*This is to certify that*

**Malakalapalli Ratnakala**

*has been duly admitted to the*

**Degree of Doctor of Philosophy**

*in* **Zoology**

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

*qualified to receive the same in* **2013**

*Given under the Seat of the University*

Visakhapatnam, A.P., India

Date: 10<sup>th</sup> February, 2014

A handwritten signature in black ink, appearing to be 'L. C. S.', written over the printed name 'Vice-Chancellor'.

Vice-Chancellor