

ANDHRA UNIVERSITY  
ఆంధ్ర విశ్వకళాపరిషత్



FACULTY OF SCIENCE

*This is to certify that*

**MANTENA SATYA VANI**

*has been duly admitted to the*

**Degree of Doctor of Philosophy**

*in* **PHYSICS**

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

*qualified to receive the same in* **2020**

*Given under the Seal of the University*

**PRINCIPAL  
D.N.R. COLLEGE  
BHIMAVARAM.**

Visakhapatnam, A.P., India.



Date : **25<sup>th</sup> January 2023**

Vice-Chancellor