

**STUDY OF ASTROPHYSICS**

A DISSERTATION SUBMITTED TO ST. XAVIER'S COLLEGE MAHUADANR  
AFFILIATED TO NILAMBER PITAMBER UNIVERSITY

**BACHELOR OF SCIENCE**

By

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**ST. XAVIER'S COLLEGE MAHUADANR**

Nationally Accredited with Grade B (NAAC)  
MAHUADANR (8822119), LATEHAR JHARKHAN

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*Vijay Beck*

**VIJAY BECK**

**Session 2020-23**

## CERTIFICATE

This is to certify that the project work entitled "Astrophysics" submitted to the St. Xavier College Mahuadanr in partial fulfillment of requirement for the award of Bachelor of Science in Physics to be awarded by the Affiliated to Nilamber Pitamber University is a bonafide record of the work carried out by **Mr. VIJAY BECK (Reg. no-NPU2020013277)** during the academic year 2020-2023.

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## Conclusion

Our Universe has probably oriented from a Big Bang as supported by both Hubble's and Cosmic Microwave Radiation Background (First light to break free after the Big Bang) discoveries.

We found that the age of our Universe is about 12-13 billion yeras by:

Looking for the oldest stars, and

Measuring the rate of the expansion of the Universe and extrapolating back to the Big Bang. It is the main trust of humanity's future dreams which expands their limits as new projects accomplished.

Despite the fact that space exploration projects need huge amount of money and labour and also time, it can not be totally stopped.

Space always inspires the youth.

Space exploration is the key to the future and we will reap the rewards of this necessary investment of money and resources.

The money we are spending now on space program will help in the long run.

*Ajay Kumar Sen.*