

**Structural, magnetization ,Critical exponent and Magnetocaloric study of the manganites oxides.**

SUBMITTED TO ST. XAVIER'S COLLEGE, MAHUADANR

AFFILIATED TO NILAMBER PITAMBER UNIVERSITY

BACHELOR OF SCIENCE

BY

**Amit Kumar Soni**

**SEM - 6**

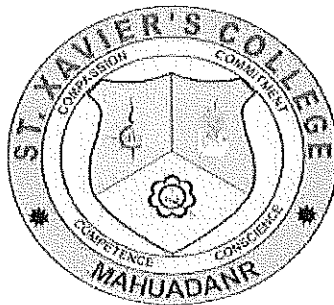
(Reg. No. – NPU2021000170)

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Under the supervision of

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**DEPARTMENT OF PHYSICS**



**ST XAVIER'S COLLEGE MAHUADANR**

Nationally accredited with Grade 'B' (NAAC)

**MAHUADANR, LATEHAR, JHARKHAND-822119**

## ACKNOWLEDGEMENT

First of all I praise and thanks the **ALMIGHTY GOD** from the depth of my heart for showering his grace, love and blessing to make this Endeavour possible.

I am profoundly thankful to my beloved principle, **Dr. Fr. MK Joseph SJ** for allowing me to study the under-Graduate course in this historical institution.

I thank Prof. **Md. Zafar Aqubal**, (MSC NET), Head of the department of physics, St. Xavier's College, Mahuadanr -822119, for allowing me to take this project and permission to use the lab and the instruments available in the department.

**Asst. Prof. Ajay Kumar Saw** was also my guide for this project work. I am extremely grateful for his inspiring guidance, useful discussions and encouragement throughout the project whose meticulous and patient guidance, ha enriched me personally and intellectually.

I thank Fr. Dr. Samir Toppo SJ, Administrator of St. Xavier's college Mahuadanr, who allowed me to use the computer all the time during the college hour.

I express my heartfelt thanks to all my fellow students who encouraged me to finish this project work successfully.

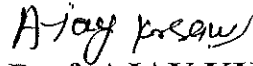
*Amit Kumar Soni*  
Amit Kumar soni

## CERTIFICATE

This is to certify that the project work entitled “**Structural, magnetization ,Critical exponent and Magnetocaloric study of the manganites oxides.**” submitted to **St. Xavier’s college Mahuadanr** in partial fulfilment to requirement for the award to 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. Amit KumarSoni** (Reg. No.-NPU2021000170) during the academic year 2021-2024.



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