

NATIONAL ACADEMY OF SCIENCE AND TECHNOLOGY

Affiliated with National Examination Board

Dhangadhi - 04 Uttarbehendi, Kailali, Sudurpaschim Province



A Project Report

on

**The Expansion of Binomial Theorem Using Pascal's
Triangle**

**Submitted in partial fulfillment of the requirements for the Grade 12 Science in
Mathematics**

SUBMITTED BY

UNDER THE GUIDANCE OF

Mr. Chandra Dev Bhatta

Lecturer Mathematics, NAST

SUBMITTED TO

Department of Science,

National Academy of Science and Technology

2023-2024

ACKNOWLEDGEMENT

Any achievement, be it scholastic or otherwise does not depend solely on individual efforts but on the guidance, encouragement, and cooperation of intellectuals, elders, and friends. we would like to take this opportunity to thank them all.

First, we would like to thank the NAST for providing us with all the requirements for our project.

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Last but not least, we would like to thank our family and friends for their input in improving the project.

Name:

Roll Number:

DECLARATION

I am student of the Computer Science of Science group of NAST affiliated to NEB, hereby declare that the work undertaken in this Project work entitled **“The Expansion of Binomial Theorem using Pascal’s triangle”** is the outcome of my own effort and is correct to the best of my knowledge. This work has been accomplished by obeying social ethics. It contains neither materials published earlier or written by another person/people nor materials which have been accepted for the award of any other degree of the school or other institution, except where due acknowledgment has been made in the document

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CERTIFICATE

This is to certify that the report entitled “**The Expansion of Binomial theorem using pascal’s triangle**” is a report of the work carried out by under the guidance and supervision of Mr. Chandra Dev Bhatta for the partial fulfillment of secondary school grade XII certificate level degree of Mathematics by the National Examination Board.

To the best of our knowledge and belief, this work embodies the work of the candidates themselves, has duly been completed, fulfills the requirement of the ordinance relating to the Grade XI degree of the school, and is up to the standard in respect of the content, presentation, and language for being referred to the examiner.

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