#### 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

#### **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.

We are grateful to acknowledge the guidance and encouragement that has been given to us by **Mr. Chandra Dev Bhatta, Lecturer**, mathematics, NAST, Dhangadhi, has rendered valuable assistance and guidance.

We also extend our thanks to the entire faculty of the **Department of Science**, NAST, Dhangadhi, who have encouraged us throughout the course of the project.

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

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## **DECLARATION**

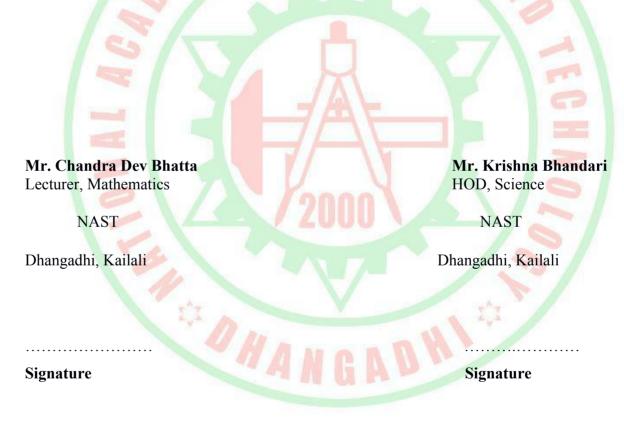
I am student of the Computer Science of Science group of NAST		
affiliated to NEB, hereby declare that the work undertaken in this Project work entitled		
"The Expansion of Binomial Theorem using Pascal's triangle" is the outcome of my		
own effort and is correct to the best of my knowledge. This work 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 usin
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.



Mr. Upendra Bahadur Bam **Principal NAST**