



**SHIROMANI GURUDWARA PARBHANDHAK COMMITTEE'S**  
**GURU NANAK KHALSA COLLEGE OF ARTS, SCIENCE & COMMERCE**  
(Autonomous)

(Affiliated to University of Mumbai and Recognized by Govt. of Maharashtra)

Accredited by NAAC with 'A' Grade with a CGPA of 3.54

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**NGS – Precision Medicine Toolkit:  
A Comprehensive User – Friendly GUI for Next -  
Generation Sequencing (NGS) in the context of  
Precision Medicine**

(M. Sc. Bioinformatics – Semester III – Research Project Report)

**Research Project Report Submitted in Partial Fulfilment of The  
Requirements for the Degree of**

**MASTERS OF SCIENCE IN BIOINFORMATICS**

**SUBMITTED BY**

Ms. Prarthi Hrishit Kothari  
(Roll No.: 115)

**UNDER THE GUIDANCE OF**

Prof. Sermarani Nadar  
Dr. Gursimran Kaur Uppal

**SUBMITTED TO**

Department of Bioinformatics,  
Guru Nanak Khalsa College of Arts, Commerce & Science (Autonomous),  
Matunga (East), Mumbai – 400019



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## **DEPARTMENT OF BIOINFORMATICS**

### **CERTIFICATE**

This is to certify that Ms. Prarthi Hrishit Kothari ( Roll No.: 115 ), student of M. Sc. Bioinformatics (Semester III), at the Department of Bioinformatics, Guru Nanak Khalsa College of Arts, Science & Commerce (Autonomous), Matunga has submitted the Research Project work titled, 'NGS – Precision Medicine Toolkit: A Comprehensive User – friendly GUI for Next – Generation Sequencing (NGS) in the context of Precision Medicine' for the fulfilment of the Master's degree in Bioinformatics, during the Academic year 2024-2025.

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Professor – in – Charge  
(Prof. Sermarani Nadar)

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Head of Department  
(Dr. Gursimaran Kaur Uppal)

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Examiner

## **ACKNOWLEDGEMENT**

I would like to express my heartfelt gratitude to all those who have supported me throughout the journey of my research project titled 'NGS – Precision Medicine Toolkit: A Comprehensive User – Friendly GUI for Next – Generation Sequencing (NGS) in the context of Precision Medicine.'

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