

## List of Major Research Projects

M. Sc. Bioinformatics Semester-IV

2020-21

S. No.	Name of Student	University Roll No.	Topic of Major Research Project	Name of Supervisor/Guide	Name of Institute
1	Prabhjot Kaur	20661922902	Analysis and Prediction of Transcription Factors of Proteins Interacting with Human Cyclophilin A (CYPA)	Mrs. Purnima	HMV Jalandhar
2	Akarshita Thakur	20661922903	Gene expression identification in lung adenocarcinoma from NGS data using Bioinformatics approaches	Dr. Harpreet Singh	HMV Jalandhar
3	Pratibha Saini	20661922901	An approach to forecast human cancer by profiling microRNA expressions from NGS Data	Dr. Harpreet Singh	HMV Jalandhar
4	Parija Walia	20661922906	<i>In silico</i> identification and characterization of peptidyl prolyl cis-trans isomerases ( <b>PPIases</b> ) in <i>Venturia inaequalis</i> and <i>Venturia pirin</i> , the pathogens causing Apple and Pear Scab	Dr. Harpreet Singh	HMV Jalandhar
5	Navjot Kaur	20661922904	Analysis and Prediction of Transcription Factors of Proteins Interacting with CYP38 (Peptidyl-prolyl <i>cis-trans</i> isomerase CYP38) from <i>Arabidopsis thaliana</i>	Mrs. Purnima	HMV Jalandhar
6	Arvinpreet Kaur	20661922905	In silico modeling and analysis of therapeutic antibody	Anurag Rathore	Indian Institute of Technology, Delhi

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Mahatma Hans Raj Marg, Jalandhar-144 008.

24-A/5913

Dated: 19.01.2022

### TO WHOM IT MAY CONCERN

This is to certify that **Ms. Prabhjot Kaur**, University roll no. **20661922902**, has been a bonafide student of **M. Sc. Bioinformatics, Sem 4<sup>th</sup>** in this college. She has completed the Major Research Project entitled "**Analysis and Prediction of Transcription Factors of Proteins Interacting with Human Cyclophilin A (CYPA)**" at this college under the guidance of **Mrs. Purnima**, Asst. prof. in Bioinformatics.

The project is being submitted as the partial fulfillment of requirements for the award of degree "**Master of Sciences in Bioinformatics**".

Her conduct was satisfactory during the project. Wish her success in her life.

Prof. Dr. (Mrs.) Ajay Sareen

Principal  
Hans Raj Mahila Maha Vidyalaya  
Jalandhar City



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Dated: 19/01/2022

### TO WHOM IT MAY CONCERN

This is to certify that **Akarshita Thakur**, University roll no. **20661922903**, has been a bonafide student of **M. Sc. Bioinformatics, Sem 4<sup>th</sup>** in this college. She has completed the Major Research Project entitled "**Gene expression identification in lung adenocarcinoma from NGS data using Bioinformatics approaches**" at this college under the guidance of **Dr. Harpreet Singh**, Asst. Prof. in Bioinformatics.

The project is being submitted as the partial fulfillment of requirements for the award of degree "**Master of Sciences in Bioinformatics**".

Her conduct was satisfactory during the project. Wish her success in her life.

Prof. Dr. (Mrs.) **Ajay Sarsen**

Hans Raj Mahila Maha **Principal**  
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24A/5916

Dated: 19/01/2022

### TO WHOM IT MAY CONCERN

This is to certify that **Pratibha Saini**, University roll no. **20661922901**, has been a bonafide student of **M. Sc. Bioinformatics Sem. 4<sup>th</sup>** in this college. She has completed the Major Research Project entitled "**An approach to forecast human cancer by profiling Microrna expressions from NGS Data**" at this college under the guidance of **Dr. Harpreet Singh**, Asst. Prof. in Bioinformatics.

The project is being submitted as the partial fulfillment of requirements for the award of degree "**Master of Sciences in Bioinformatics**".

Her conduct was satisfactory during the project. Wish her success in her life.

Prof. Dr. (Mrs.) **Ajay Sareen**

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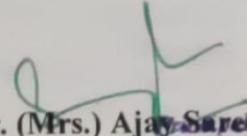
Dated: 19/01/2022

### TO WHOM IT MAY CONCERN

This is to certify that **Parija Walia**, University roll no. **20661922906**, has been a bonafide student of **M. Sc. Bioinformatics Sem. 4<sup>th</sup>** in this college. She has completed the Major Research Project entitled "***In silico* identification and characterization of peptidyl prolyl cis-trans isomerases (PPIases) in *Venturia inaequalis* and *Venturia pirin*, the pathogens causing Apple and Pear Scab**" at this college under the guidance of **Dr. Harpreet Singh**, Asst. prof. in Bioinformatics.

The project is being submitted as the partial fulfillment of requirements for the award of degree "**Master of Sciences in Bioinformatics**".

Her conduct was satisfactory during the project. Wish her success in her life.

  
**Prof. Dr. (Mrs.) Ajay Sreen**  
Hans Raj Mahila Maha Vidyalaya  
Jalandhar City  
Principal



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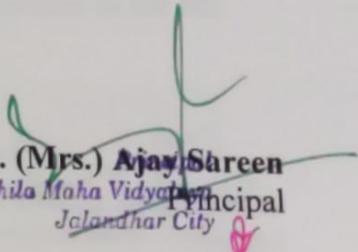
Dated: 19/01/2022

### TO WHOM IT MAY CONCERN

This is to certify that **Navjot Kaur**, University roll no. **20661922904**, has been a bonafide student of **M. Sc. Bioinformatics Sem. 4<sup>th</sup>** in this college. She has completed the Major Research Project entitled "**Analysis and Prediction of Transcription Factors of Proteins Interacting with CYP38 (Peptidyl-prolyl cis-trans isomerase CYP38) from *Arabidopsis thaliana***" at this college under the guidance of **Mrs. Purnima**, Asst. Prof. in Bioinformatics.

The project is being submitted as the partial fulfillment of requirements for the award of degree "**Master of Sciences in Bioinformatics**".

Her conduct was satisfactory during the project. Wish her success in her life.

  
**Prof. Dr. (Mrs.) Ajay Sareen**  
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15<sup>th</sup> January 2022

**To Whom It May Concern**

**Subject: Bonafide certificate**

This is to certify that Ms. Arvinpreet Kaur worked w.e.f. 15<sup>th</sup> March 2021 to 15<sup>th</sup> July 2021 in my laboratory on a project titled "In silico modeling and analysis of therapeutic antibody" under my guidance.

I found her to be sincere, hardworking, and effective as per my expectation. I wish her all the best in her future endeavors.

For Indian Institute of Technology,  
Authorized Signatory

A handwritten signature in black ink, appearing to read "Anurag Rathore", with a horizontal line underneath.

(Anurag Rathore)  
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