



# GOVERNMENT MOHINDRA COLLEGE PATIALA

(Affiliated to Punjabi University, Patiala)



NAAC ACCREDITED GRADE A+ CYCLE-I

NAAC REACCREDITED GRADE A (CGPA 3.86) CYCLE-II

AISHE CODE: C-22146

## INTERNAL QUALITY ASSURANCE CELL (IQAC)

AMARJIT SINGH (PES-I)
Principal

LOVELEEN PARMAR
IQAC Coordinator

MOHAMMAD SOHAIL

IQAC Co-Coordinator

#### Contact:

Telephone: 0175-2321695

Website:https://govtmohindracollege.in/ email:gcmohindrapatiala@gmail.com



#### **INTERNAL QUALITY ASSURANCE CELL**





# GOVERNMENT MOHINDRA COLLEGE, PATIALA

#### **Supporting Documents/Additional Information**

Title Percentage of students undertaking project work/field work/ Internships (Data for the latest completed academic year)

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# DEPARTMENT OF BIOTECHNOLOGY GOVERNMENT MOHINDRA COLLEGE, PATIALA

#### To whom it may concern

It is certified that the students of B.Sc. (H) Biotechnology have done industrial training of 4-6

Weeks		- appointing	
Session	No. Of students	Programme specialisation Project Work	
2022-23	13		
	1.5		

Signature of Head of Department

Associate Rommy Govey

# SCHEME OF B.Sc. (HONS.) BIOTECHNOLOGY UNDER CHOICE BASED CREDIT SYSREM FROM SESSION 2020-2021, 2021-22 & 2022-23

	SEMESTER V		SEMESTER VI
C11-BHB23	Bioprocess Technology	C13-BHB28	Bio Analytical Tools
C12-BHB24	Recombinant DNA Technology	C14-BHB29	Genomics and Proteomics
DSE 1- BHB25	Animal Biotechnology/Animal Diversity I	DSE 3-BHB30	Medical Microbiology/Animal Diversity II/
DSE 2- BHB26	Plant Biotechnology/Plant Diversity I	DSE 4-BHB31	Bioinformatics /Plant diversity II
GE-6- BHB27	Basics of Forensic Science/Chemistry-5	GE-7-BHB 32	Food Biotechnology/Chemistry-6

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C: Core Courses; GE: Generic Elective; AECC; Ability Enhancement compulsory course SEC; Skill Enhancement Course; DSE; Discipline specific Elective;

BHB: B.Sc.(Hons.) Biotechnology subject number code

	Semester 1	Semester II	Semester III	Semester IV	Semester V	Semester VI	GRAND TOTAL
T	550	550	750	750	750	750	4100
Total Marks	330			30	30	30	160
Total Credits	20	20	30	30	30		

### SUMMARY OF COURSES, MARKS AND CREDITS FOR COMPLETION

#### B.SC.(HONS.) BIOTECHNOLOGY DEGREE

Total papers: 32; Core courses=14; Ability Enhancement Compulsory courses=5; Skill Enhancement Courses: 2; Discipline Specific Elective: 4; Generic Elective: 7; One month Industrial training/ hands on training for skill enhancement is computory for completion of this professional degree

#### Government Mohindra College, Patiala BSc Hons in Biotech Sem-V Session 2022-23

S.no.	Roll No.	Student name		
1	6601	FAIKA MEHMOOD		
2 6602		ARSHDEEP SINGH		
3	6603	HARSEWAK SINGH		
4	6604	HARNOOR KAUR		
	6605	MEHAK		
6	6606	SIMRANJEET KAUR		
7	6607	RANVIR KAUR		
8	6609	JASPREET KAUR		
9	6610	HARJEET KAUR		
10	6611	ANKITA BANSAL		
1.1	6613	ATUL RANA		
12	6614	ROHIT SHARMA		
13	6615	SHREYA		



This is to certify that Ms. Simranjeet Kaur, D/O Mr. Randhir Singh, student of B.Sc Biotechnology (Hons), 5<sup>th</sup> Semester, Student Id-47401, from Government Mohindra College, Patiala, Punjab, has successfully completed her "Advanced Technical Module" Internship Program of 1 Month, Starting from 3<sup>rd</sup> July 2023 to 3<sup>rd</sup> August 2023, Under the guidance of Dr. Surbhi Goyal in our Biotechnology/R&D Division at Mohali Campus with A+ Grade on the topic:

- Nanobiotechnology
- Pharmaceutical Quality Control and Quality assurance
- Herbal Drug formulation and Biocosmetic development
- Food Industries- Quality Analysis and Control Skills

We wish for her bright future. Certificate number: RTPM-2308/15

For RAPTURE BIOTECH

Mr. Mayank Raj Bhardwaj

Chief Executive Officer

Rapture Biotech, India

Ms. Harpreet

Center Director

Rapture Biotech, Mohali

RAPTURE BIOTECH INTERNATIONAL (P) Ltd. D-201 Sector 10, Noida (U.P.) INDIA Pin: 201301
Helpline: 9910181655, 9027326396 Email: info@rapturebio.com Website: www.rapturebio.com
Noida | Mohali | Ahmedabad | Mumbai | Dehradun | Hyderabad | Chennai | Dubai

GSTIN DBAADCS5089H1ZA CIN U15141PB1999PLC022253 FSSA Licence No. 10012063000101 SANGRUR AGRO M 80542-71100 Email: sangruragro@yshoo.co.in FSMS AN ISO 22000-2018 CERTIFIED COMPANY Manufacturer of "SHAGUN" Brand Vanaspati Ghee & Refined Oils REGISTERED OFFICE & FACTORY : RURAL FOCAL POINT, VILLAGE BHINDRAN. DISTT. SANGRUR-148001 (PB.) Ref. No. S.D.L.) 20-23-24) 166 Dated 09-03-2003 The Principal, Govt Mahindra College, Patiala Reference: Letter No 3932/HEIS Dated 04-07-2023. Subject: Industrial training of Ms. Shreya student of B Sc (Hons) Roll No 648302 Sir, Please refer to above stated subject, it is hereby informed that above said student has successful completed her Practical training at our factory. Her training commences from 06-07-2023 till 05-08-2023. She is very hard work and sincere. We wish her all the success in her academic career. Thanking You. For Sangrur Agro Ltd For Sangrur Agro Ltd. General Manager



No.PMU/ADMN/ 2988

DATED: 8-8-9093

#### TO WHOM IT MAY CONCERN

This is to certify that Mr.Rohit Sharma S/o Mr.Rajinder Sharma student of B.Sc.(Hons) Biotechnology at Govt. Mohindra College, Patiala has undergone training in this Organization from 01.07.2023 to 28.07.2023.

During the above period his Work and Conduct has been found to be satisfactory.

We wish him all the success in future.

General Manager
The Patiala Distt. Co-op.
Milk Producer's Union Ltd.
PATIALA

#### THE PATIALA DISTT. CO-OP. MILK PRODUCERS UNION LIMITED

Verka Patiala Dairy, Sirhind Road, P.B. #90, Patiala-147004 (TIN 03061042770), PAN No. AAAAT0459K, GST No. 03AAAAT0459K1ZL Tel. PBX 94787-46414, Mktg.: 94170-29281, Pur: 94170-29018, FSSAI No. 10012063000135

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### PEPSICO INDIA HOLDINGS PRIVATE LIMITED

(Snacks Division)

31/07/2023

### To Whom It May Concern

This is to certify that Ms. Ranvir Kaur department of B. Sc (Hons) Bio Technology from Govt. Mohindra College, Patiala had undergone Industrial Training in our organization from 15th June 2023 to 31st July 2023.

During the tenure of training period, we found her Diligent, hardworking and keen learner.

We wish all the success to her in her future endeavours.

For PepsiCo India Holdings Pvt. Ltd.

(Snacks Division)

Sandeep Bansal

Assistant Manager- HR

PLANT: VILLAGE CHANNO, P.O. BHAWANIGARH, DISTT. SANGRUR (PB.) TEL: 01672-516201 CORRESPONDENCE ADDRESS: 139, NEW OFFICER COLONY, PATIALA-147001 PUNJAB (INDIA) TEL: 0175-5002168 REGD. OFFICE: 1ST FLOOR (OFFICE-01), 5TH & 6TH FLOOR, TOWER-A, INTELLION EDGE, SOUTHERN PERPHERY ROAD, SECTOR-72, GURUGRAM 122001, HARYAI



### PEPSICO INDIA HOLDINGS PRIVATE LIMITED

(Snacks Division)

16/07/2023

#### To Whom It May Concern

This is to certify that Ms. Jaspreet Kaur department of B. Sc (Hons) in Biotechnology from Govt. Mohindra College, Patiala had undergone Industrial Training in our organization from 05th June, 2023 to 16th July, 2023.

During the tenure of training period, we found her Diligent, hardworking and keen learner.

We wish all the success to her in her future endeavours.

For PepsiCo India Holdings Pvt. Ltd. (Snacks Division)

Abhishek Saini HR-Manager

PLANT: VILLAGE CHANNO, P.O. BHAWANIGARH, DISTT. SANGRUR (PB.) TEL. 01672-516201

CORRESPONDENCE ADDRESS: 139, NEW OFFICER COLONY, PATIALA-147001 PUNJAB (INDIA) TEL. 0175-5002168

OFFICE: 1ST FLOOR (OFFICE-01), 5TH & 6TH FLOOR, TOWER-A, INTELLION EDGE. SOUTHERN PERPHERY ROAD, SECTIOR-72. GURUGRAM 122001, NO



No.PMU/ADMN/ 2793

DATED: 31-7-9023

#### TO WHOM IT MAY CONCERN

This is to certify that Mr.Harsewak Singh S/o Mr.Sarbjit Singh student of B.Sc.(Hons.) Biotechnology at Govt. Mohindra College, Patiala has undergone training in this Organization from 01.07.2023 to 28.07.2023.

During the above period his Work and Conduct has been found to be satisfactory.

We wish him all the success in future.

General Manager
The Patiala Distt. Co-op.
Milk Producer's Union Ltd.
PATIALA

Verka Patiala Dairy, Sirhind Road, P.B. #90, Patiala-147004 (TIN 03061042770), PAN No. AAAAT0459K, GST No. 03AAAAT0459K1ZL Tel. PBX 94787-46414, Mktg.: 94170-29281, Pur: 94170-29018, FSSAI No. 10012063000135



This is to certify that Ms. Harnoor Kaur D/O Mr. Satvir Singh, student of B.Sc Biotechnology (Hons), 5<sup>th</sup> Semester, Student Id-47406, from Government Mohindra College, Patiala, Punjab, has successfully completed her "Advanced Technical Module" Internship Program of 1 Month, Starting from 3<sup>rd</sup> July 2023 to 3<sup>rd</sup> August 2023, Under the guidance of Dr. Surbhi Goyal in our Biotechnology/R&D Division at Mohali Campus with A+ Grade on the topic:

- Nanobiotechnology
- Pharmaceutical Quality Control and Quality assurance
- Herbal Drug formulation and Biocosmetic development
- Food Industries- Quality Analysis and Control Skills

We wish for her bright future. Certificate number: RTPM-2308/14

For RAPTURE BIOTECH

Mr. Mayank Raj Bhardwaj

Chief Executive Officer

Rapture Biotech, India

Ms. Harpt

Center Director

Rapture Biotech, Mohali

RAPTURE BIOTECH INTERNATIONAL (P) Ltd. D-201 Sector 10, Noida (U.P.) INDIA Pin: 201301
Helpline: 9910181655, 9027326396 Email: info@rapturebio.com Website: www.rapturebio.com
Noida | Mohali | Ahmedabad | Mumbai | Dehradun | Hyderabad | Chennai | Dubai



This is to certify that Ms. Harjeet Kaur, D/O Mr. Harbant Singh, student of B.Sc Biotechnology (Hons), 5<sup>th</sup> Semester, Student Id-47407, from Government Mohindra College, Patiala, Punjab, has successfully completed her "Advanced Technical Module" Internship Program of 1 Month, Starting from 3<sup>rd</sup> July 2023 to 3<sup>rd</sup> August 2023, Under the guidance of Dr. Surbhi Goyal in our Biotechnology/R&D Division at Mohali Campus with A+ Grade on the topic:

- Nanobiotechnology
- Pharmaceutical Quality Control and Quality assurance
- · Herbal Drug formulation and Biocosmetic development
- · Food Industries- Quality Analysis and Control Skills

We wish for her bright future. Certificate number: RSTM-2308/12

For RAPTURE BIOTECH

Mr. Mayank Raj Bhardwaj

Chief Executive Officer

Rapture Biotech, India

Center Director

Rapture Biotech, Mohali

RAPTURE BIOTECH INTERNATIONAL (P) Ltd. D-201 Sector 10, Noida (U.P.) INDIA Pin: 201301 Helpline: 9910181655, 9027326396 Email: info@rapturebio.com Website: www.rapturebio.com Noida | Mohali | Ahmedabad | Mumbai | Dehradun | Hyderabad | Chennai | Dubai



This is to certify that Ms. Faika Mehmood, D/O Mr. Mehmood Akthar, student of B.Sc Biotechnology (Hons), 5<sup>th</sup> Semester, Student Id- 47409, from Government Mohindra College, Patiala, Punjab, has successfully completed her "Advanced Technical Module" Internship Program of 1 Month, Starting from 3<sup>rd</sup> July 2023 to 3<sup>rd</sup> August 2023, Under the guidance of Dr. Surbhi Goyal in our Biotechnology/R&D Division at Mohali Campus with A+ Grade on the topic:

- Nanobiotechnology
- Pharmaceutical Quality Control and Quality assurance
- Herbal Drug formulation and Biocosmetic development
- Food Industries- Quality Analysis and Control Skills

We wish for her bright future.

Certificate number: RTPM-2308/13

FOR RAPTURE BIOTECH

Mr. Mayank Raj Bhardwaj

Chief Executive Officer

Rapture Biotech, India

Ms. Harpreet Kaur

Center Director

Rapture Biotech, Mohali





No.PMU/ADMN/ 2987

DATED: 8-8-3093

#### TO WHOM IT MAY CONCERN

This is to certify that Mr.Arshdeep Singh S/o Mr.Beant Singh student of B.Sc.(Hons) Biotechnology at Govt. Mohindra College, Patiala has undergone training in this Organization from 01.07.2023 to 28.07.2023.

During the above period his Work and Conduct has been found to be satisfactory.

We wish him all the success in future.

General Manager
The Patiala Distt. Co-op.
Milk Producer's Union Ltd.
PATIAL A

Verka Patiala Dairy, Sirhind Road, P.B. #90, Patiala-147004 (TIN 03061042770), PAN No. AAAAT0459K, GST No. 03AAAAT0459K1ZI





This is to certify that Ms. Mehak Gora, D/O Mr. Sushil Kumar, student of B.Sc Biotechnology (Hons), 5<sup>th</sup> Semester, from Government Mohindra College, Patiala, Punjab, has successfully completed her "Advanced Technical Module" Internship Program of 1 Month, Starting from 3<sup>rd</sup> July 2023 to 3<sup>rd</sup> August 2023, Under the guidance of Dr. Surbhi Goyal in our Biotechnology/R&D Division at Mohali Campus with A+ Grade on the topic:

- Nanobiotechnology
- Bioprocess Engineering and Fermentation Technology
- Herbal Drug formulation and Biocosmetic development
- · Food Industries- Quality Analysis and Control Skills

We wish for her bright future.

Certificate number: RTPM-2308/23

For RAPTURE BIOTECH

Mr. Mayank Raj Bhardwaj

Chief Executive Officer

Rapture Biotech, India

VIS. Harrices Kaur

Center Director

Rapture Biotech, Mohali

