



# IMS Engineering College, Ghaziabad

(Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow, Uttar Pradesh & Approved by AICTE, New Delhi)

NH-09, Adhyatmik Nagar, Near Dasna, Distt: Ghaziabad, Uttar Pradesh Website: <https://www.imsec.ac.in>

## **SUPPORTING DOCUMENTS** **AQAR: 2023-24**

<b>3.5.1</b>	Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year  <b>Attachment:</b> Collaborative activities
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## Certificate of completion

This is to certify that Manisha, a bonafide student of IMS Engineering College, Ghaziabad, U.P., has successfully completed the Summer Internship on 5<sup>th</sup> August, 2023. The internship took place from **June,2023 to August,2023**, with a duration of 8 to 9 weeks. During this period, Miss Manisha worked on a project titled "**Molecule to market pathway**" and demonstrated exceptional enthusiasm, professionalism, and a strong work ethic.

We believe that Manisha has gained valuable practical experience and has made a significant contribution to our organization during their time with us. We hope that this internship has provided Manisha with a strong foundation for their future career endeavors.

We wish her continued success in her academic pursuits and professional journey.

Sincerely,

A handwritten signature in black ink, appearing to read 'Tom Brunskill', written in a cursive style.

**TOM BRUNSKILL**  
CEO, CO- Founder of Forage



**icmr** | **NICPR**  
INDIAN COUNCIL OF MEDICAL RESEARCH | NATIONAL INSTITUTE OF CANCER PREVENTION AND RESEARCH

आई सी एम आर- राष्ट्रीय कैंसर रोकथाम एवं अनुसंधान संस्थान

स्वास्थ्य अनुसंधान विभाग  
स्वास्थ्य और परिवार कल्याण मंत्रालय  
भारत सरकार

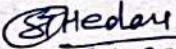
ICMR-NATIONAL INSTITUTE OF CANCER PREVENTION & RESEARCH

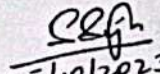
Department of Health Research  
Ministry of Health and Family Welfare  
Government of India

## CERTIFICATE

This is to certify that Mr./Ms. **Simran Kaul** has successfully completed her 6-8 weeks summer training under our supervision and guidance during 03/07/2023 to 31/08/2023.

During her stay, she has learnt molecular biology techniques relevant to cancer research such as DNA extraction, RNA isolation, protein isolation, PCR, Real-Time PCR, Cell culture and western blotting techniques. Besides being exposed to theoretical background and principle of these techniques. All the publishing/patent etc. rights of the work are reserved with ICMR-NICPR only.

  
5.10.2023  
Supervisor

  
05/10/2023  
Director

### Copy to:

1. Concerned student
2. Academic committee chairperson/Member Secretary

आई-7, सेक्टर-39, नौएडा-201301 (उत्तर प्रदेश) इंडिया

I-7, Sector-39, Noida-201301 (Uttar Pradesh) India

Tel PABX: 0120-2446900, Fax : 0120-2579473, Clinic: 0120-2446938

E-mail : [director.nicpr@icmr.gov.in](mailto:director.nicpr@icmr.gov.in)

Web:-[www.nicpr.res.in](http://www.nicpr.res.in), [www.cancerindia.org.in](http://www.cancerindia.org.in)

<https://www.facebook.com/icmr.nicpr>

[https://twitter.com/NICPR\\_Noida](https://twitter.com/NICPR_Noida)

[untobaccocontrol.org/kh/smokeless-tobacco/](https://untobaccocontrol.org/kh/smokeless-tobacco/)



Dr. Veda Krishnan, ARS  
Scientist, Division of Biochemistry  
ICAR-Indian Agricultural Research Institute,  
Fulbright-Nehru Postdoctoral Fellow (2021-2022)  
Pusa, New Delhi-110012  
Cell: 91-9910310688

Email: [vedakrishnan@iari.res.in](mailto:vedakrishnan@iari.res.in); [vedabiochem@gmail.com](mailto:vedabiochem@gmail.com)

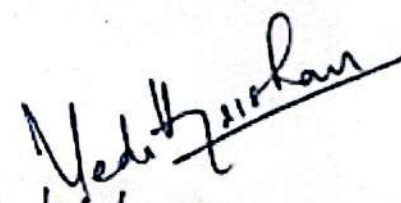
## CERTIFICATE

This is to certify that **ADITI SINGH**, who is currently pursuing a Btech in Biotechnology, at the IMS Engineering College, successfully completed an internship from the date **12.04.2023** to **14.07.2023** in **FOOD MATRIX** lab at the **Division of Biochemistry**, ICAR-Indian Agricultural Research Institute, Pusa Campus, New Delhi, 110012.

Date: 15.07.2023

Place: Pusa Campus, New Delhi-12

Seal

  
Vedakrishnan  
Name and signature of the supervisor



Dr. Veda Krishnan  
Scientist (Senior Scale), Principal Investigator  
DBT Project Code 74-783  
Division of Biochemistry  
ICAR-Indian Agricultural Research Institute  
New Delhi-110012, India  
Email: [veda.krishnan@iari.res.in](mailto:veda.krishnan@iari.res.in)  
[vedakrishnan@iari.res.in](mailto:vedakrishnan@iari.res.in)



## Haldiram Snacks Private Limited

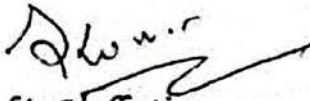
16<sup>th</sup> August 2023

To Whom So Ever It May Concern

This is to certify that Ms. Ishika Verma student of Btech (Biotechnology) has successfully completed her training in our Quality & Process Department as sponsored by "IMS Engineering College Ghaziabad" with our organization from 11<sup>th</sup> July 2023 to 11<sup>th</sup> August 2023. During the period of stay with us, we found her very sincere, intelligent, regular & well behaved.

We wish for her bright & successful future career.

For Haldiram Snacks Pvt. Ltd.

  
Sachin Vadhotiya

AGM-HR & Admin



**MATRIX**  
ROLLER MILL (P) LTD.

### INTERNSHIP CERTIFICATE

This is to certify that Miss-Suhani Gupta D/o Mr. Shashi Gupta student of IMS Engineering College. She successfully completed her internship in the Department of "Quantity Controller" Matrix Roller Mill Pvt Ltd. A-38 Ind. Area Ramnagar, Uttar Pradesh 2023. from 1st July 2023 to 15th August 2023.

Her performance and conduct during the period of internship was Satisfactory.

For-Matrix Roller Mill Pvt. Ltd.

*Nikhil Agarwal*  
Director

Nikhil Agarwal

*Nikhil Agarwal*  
(Director)

22.08.2023

CIN : U15549UP2010PTC148090  
GST : 09AAHCM2745A1ZP  
PAN : AAHCM2745A

Jeevnathpur, Industrial Area  
Ramnagar, Chandauli-221110 (U.P.)  
Mob.: +91-8400557777, +91-9415343401  
E-mail : matrixmpl2@gmail.com

Enroll. No. – 07/23/723

## Certificate of Training

July 10, 2023 – August 09, 2023

Mr. Rizwan Jafar

This is to certify that Mr. Rizwan Jafar, student of B.Tech. Biotechnology from IMS Engineering College, Ghaziabad has successfully completed One Month of rigorous Hands-On Industrial Training organized by Helix BioGenesis, NOIDA. This curriculum included training on Various Microbiological, Molecular biology and Biochemistry Techniques- Media preparation and sterilization, Serial Dilution Method, Culturing & Sub Culturing Methods of Microbes, Isolation and Culturing of microbes from Soil & Air, Biochemical Test For Screening of Microbes, IMViC Test, Growth Kinetics of Microbes, Antibiotics Sensitivity Test, Culturing Techniques for E.coli./Agro bacterium or any other Microbes, Plasmid isolation, DNA isolation & Purification from microbes and plant sample, Agarose Gel Electrophoresis, Restriction Digestion, Qualitative & Quantitative analysis of Nucleic Acid using Nanodrop/Qubit 2.0, Blotting Techniques (Transfer of DNA from Gel to membrane), Primer Designing, Polymerase Chain Reaction (PCR), Protein Isolation, Estimation of Protein by Bradford Method, Estimation of Protein by Biurette Method, Estimation of Protein by Lowry's Method, SDS-PAGE, Western Blotting, Enzyme Assay – Amylase Assay, ELISA.

Mr. Rizwan Jafar is a sincere and diligent student. We wish him every success in his career.



Dr. Ravi Kumar  
Director- R&D  
Helix BioGenesis  
NOIDA



Helix BioGenesis (A Unit of Helix BioGenesis Pvt. Ltd.)

D-34, 1st Floor, Sector-2, NOIDA - 201301, INDIA

Mob.: 9717117289, 8766229702



भारत सरकार/ GOVERNMENT OF INDIA  
अटल बिहारी वाजपेयी आयुर्विज्ञान संस्थान एवं  
डॉ. राम मनोहर लोहिया अस्पताल, नई दिल्ली-110001



ATAL BIHARI VAJPAYEE INSTITUTE OF MEDICAL SCIENCES &  
DR. RAM MANOHAR LOHIA HOSPITAL NEW DELHI-110001

Tele: 23404443/23365525

File No. HA-1-11025(13)/41/2022 /1085



## INTERNSHIP CERTIFICATE

This is to certify that **Mr. Shivam Kumar S/o Mr. Mritunjay Dubey** student of B.Tech Biotechnology affiliated to AKTU, bearing Enrollment No. 200143054026456 has successfully completed his internship in the Department of Microbiology, ABVIMS & Dr. Ram Manohar Lohia Hospital, New Delhi w.e.f 05-07-2023 to 04-08-2023.

His performance and conduct during the period of internship was Satisfactory.

*Kaur*

**[Dr.(Prof.) Nirmaljit Kaur]**  
**Head, Dept. of Microbiology**

परामर्शदाता एवं अध्यक्ष, सूक्ष्मजीव विज्ञान विभाग  
Consultant & Head, Dept. of Microbiology  
अभियास एवं डॉ. रा.म.लो. अस्पताल, नई दिल्ली-110001  
ABVIMS & Dr. RML Hospital, New Delhi-110001  
डी.एम.सी.-8318 / DMC-8318

*Nandini Duggal*  
**Dr. Nandini Duggal**  
**(Addl. Medical Superintendent)**





Ref-RLI/ VT-2023 /45


28.07.2023

**TO WHOM IT MAY CONCERN**

This is to certify that **Mr/Ms. Aadhya Gupta** student of **Computer Science Engg.** IMS Engineering College, Ghaziabad has successfully completed Summer Training from 26.06.2023 to 22.07.2023 at NTPC Dadri.

During the period of his/her training program, he/she was found punctual and inquisitive.

We wish all the best for his/her future endeavors.

  
(Authorized Signatory)  
**VIJAY SHANKAR BHARATI**  
**Senior Manager**  
RLI Dadri, NTPC Ltd.

# MEMORANDUM OF UNDERSTANDING

## BETWEEN



## IMS Engineering College, Ghaziabad

## AND

## iSTEP

High Achievers' Program

This Memorandum of Understanding (hereinafter referred to as the "MOU") is made and entered on the 21/12/2023 (hereinafter referred to as the "Effective Date") by and between:

Mr. Nikhil Malhotra (Director) of iSTEP Mentors Private Limited, with its registered office at 103, Chiranjiv Tower, 43, Nehru Place, New Delhi 110019 India, (hereinafter referred to as "Party A"); and

Dr. Vikram Bali (Director) of IMS Engineering College, Ghaziabad with its registered office at Dasna, Ghaziabad, Uttar Pradesh 201015 hereinafter referred to as "Party B").

Parties may be referred to individually as "Party" and collectively as "Parties".

### Recitals

WHEREAS, Party A is an EdTech Platform engaged in the business of building networking connections among international universities and Indian Institutes of higher education.

WHEREAS, Party A is an official representative of a number of international universities in India.

WHEREAS, Party A has developed a mobile application (hereinafter referred to as the "iSTEP Mentors App" or the "App") that delivers online educational sessions by prominent academics from universities highlighting advancements in research or development in a topic of general interest (hereinafter referred to as the "iSTEP Masterclass" or "Masterclass").

WHEREAS, the main objective of Party A in developing the App is to give Indian students reliable knowledge about a topic of study that would also help them in choosing a career.

WHEREAS, Party B is a recognised college IMS Engineering College Affiliate to Dr. APJ Abdul Kalam Technical University, Lucknow offering undergraduate/ postgraduate/professional degree programs to their students].

WHEREAS, Party A has approached Party B to make the App available to Party B's students to allow them to access the Masterclasses available on the iSTEP Mentors App.

WHEREAS, Party B desires to conduct the Masterclasses for its students by making the App available to its students.

**Now, therefore, the Parties agree to the following terms and conditions:**

1. Purpose and Objectives: The purpose of this MOU is to outline the terms and conditions under which students studying with Party B [the "Students"] can access a range of Masterclasses available on the iSTEP Mentors App developed by Party A. After the Masterclass, the Students will have the opportunity to attempt an assessment test. Students who successfully complete the assessment will be eligible for a jointly issued digital certificate free of cost.

2. Roles & Responsibilities: To achieve the Purpose and Objectives mutually agreed upon above, the Parties agree to undertake the following:

1. Party A will ensure that a number of Masterclasses from across domains such as science, technology, management and business are available for Students on the iSTEP platform.
2. Party A will ensure that Party B's designated personnel are provided training on the usage, features & functionalities of the App, including how to schedule a Masterclass and how to share the Masterclass link with their Students.
3. Party A will offer technical support for all scheduled Masterclasses as required.
4. Party A will extend invitations to Party B for all upcoming Educator's events being organised in collaboration with international universities.
5. Party B will ensure that its teachers, counsellors and other designated employees will undergo the training organised by Party A & understand the usage of the App.
6. Party B will not charge Students for attending any MasterClasses on the App.
7. Party B will refrain from using logos of the universities for any purpose.
8. Party B will only use the approved posters and marketing material available on the App to promote any Masterclass scheduled by them.

The Parties agree to uphold their Roles and Responsibilities in good faith to the extent possible. The Parties agree to collaborate and communicate on a regular basis to ensure the smooth conduct of the Masterclasses for Students.

3. Scope: Upon signing this MOU, Party B faculty members will gain access to the iSTEP Mentors App, allowing them to schedule and share relevant Masterclasses for their students free of cost, as many times as required. Party B students can attend these Masterclasses and participate in assessments, receiving digital certificates at no charge.

4. Duration: The MOU remains valid for a duration of three years from the signing date. Either party can terminate it with one month's written notice to the other Party, ensuring minimal disruption to registered students for upcoming Masterclasses already scheduled by Party B.

5. Resources: Each Party agrees to assign the required level of human resources to ensure smooth scheduling, planning & conduct of the Masterclasses for Students. Each Party will assign a single point of contact to coordinate with the other Party on matters related to Masterclasses.

6. Amendments: Any changes to the MOU can only be made with the express written consent of both parties. The parties agree to engage in good-faith negotiations before making any changes to the MOU. Any changes as mutually agreed by the parties must be made in writing and signed by both parties to be effective.

7. Confidentiality: The parties agree that without the prior written consent of the other Party, which may be withheld in such Party's sole discretion, neither Party shall disclose any provision of this MOU to any third party (subject to the other terms set forth herein).

Each Party agrees that the terms and conditions of this MOU will be treated as the other Party's Confidential Information and that no reference to the terms and conditions of this Agreement or activities pertaining thereto may be made in any form of a press release or public statement without first consulting with the other Party; provided, however, that each Party may disclose the terms and conditions of this Agreement to law enforcement authorities as may be required by law; or in confidence, in connection with the enforcement of this Agreement or rights under this Agreement to their respective employees.

Party A agrees that any information and data regarding Party B's students that may be uploaded on the App is to be treated as confidential and will not be disclosed to any unrelated third party, except that the information and data regarding Students registering for and attending a Masterclass by a particular University may be shared with that University for their reports, issuance of certificates and other related purposes.

Party B agrees that the iSTEP Mentors App and the Masterclasses available on the App are proprietary and their copyrights rest with the respective owners, which may be Party A or the universities.

8. Dispute Resolution: All disputes arising out of or relating to the provisions of this MOU will be amicably settled and resolved by the Parties through discussions and negotiations. If the parties are unable to reach an amicable settlement to a dispute, they may appoint a mutually acceptable mediator to resolve the dispute. If a dispute is unresolved even after mediation, the parties may decide to terminate the MOU as per the terms outlined in this MOU.

9. Governing Law & Jurisdiction: This MOU will be governed by the laws of India, and courts in Delhi will have full and complete jurisdiction in the matters pertaining to the MOU.

10. Communication: Both parties agree that email will be a convenient and acceptable form of communication while operationalising the matters contained in this MOU. The first point of contact for each Party regarding all such email communications is as follows:

Party A - Point of Contact: Nikhil Malhotra.  
Party B - Point of Contact : Dr. Vikram Bali

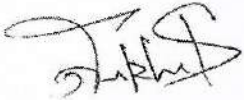
Email Address: [nikhil@istepmentors.com](mailto:nikhil@istepmentors.com)  
Email Address : [director@imsec.ac.in](mailto:director@imsec.ac.in)

11. Review and Evaluation: Both parties agree to conduct an annual review of the MOU to understand its effectiveness and to make changes where necessary.

12. "These are the add on and value added certification for students profile"

This MOU will be effective from the date on which the signatures of both parties are appended below (the "Effective Date").

The undersigned Parties acknowledge and agree to the terms and conditions outlined in this MOU by signing below:



Nikhil Malhotra  
Director  
iSTEP Mentors Private Limited



Dr. Vikram Bali                      Director  
Director                      **IMS Engineering College**  
IMS Engineering College Ghaziabad  
Affiliate to Dr. APJ Abdul Kalam Technical University, Lucknow

Date: 20/12/2023

Date: 21-12-2023

## Annexure

Currently the following the masterclass are available at iStep Mentors :

1. Master Class on Climate Change by UNSW Business School Sydney, Australia  
Topic : Transitioning to a 100% renewable energy world by Prof. Alistair Sproul
2. Master Class on Entrepreneurship by UNSW Sydney Australia  
Topic : The Art & Science of Business Innovation by Prof. Mary Anne Williams
3. Master Class on Artificial Intelligence by Deakin University, Australia,  
Topic : Data Science, Artificial Intelligence , Cyber Security and privacy by Prof. Gang Li

We will keep adding further Master Classes by many other Universities and you will be notify accordingly.



Siddhi Nath Rajan &lt;sn.rajan@imsec.ac.in&gt;

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## Masterclass availability\_18062024

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**Babli Das** <b.das@istepmentors.com>  
To: Siddhi Nath Rajan <sn.rajan@imsec.ac.in>  
Cc: yousuf.haider@imsec.ac.in, manish.singh@imsec.ac.in

Tue, Jun 18, 2024 at 6:00 PM

Respected Sir,  
Greetings from iSTEP Mentors!

We would like to request that you start scheduling Masterclasses for your students, especially final year students and alumni.

These Masterclasses offer valuable insights for students aiming to excel in the real-world industry. They are designed to up-skill their knowledge and help them achieve an international certificate.

Please find below the available Masterclasses in the iSTEP Mentors application for your reference 📌

- 1) **Data Science, AI, and Cyber Security & Privacy - By Deakin University "Australia" relevant for IT & Computer Science Department**
- 2) **The Art and Science of Business Innovation - By UNSW Sydney "Australia" relevant for across all the Department**
- 3) **Green Steel - By Swinburne University "Australia" relevant for Mechanical Engineering Department**
- 4) **AI for Smart and Sustainable Mobility Futures - By Swinburne University "Australia" relevant for Civil Engineering Department**

Final Year Students stand to gain substantial insights from this Masterclass and can earn a joint certificate.

Feel free to schedule the Masterclass multiple times to accommodate all your students.  
Please don't hesitate to reach out if you need further assistance.

**Thanks & Regards,**

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**Babli Das** | Manager - Institutional Outreach  
**iSTEP** | 102, 1st Floor, 43 Chiranjiv Tower, New Delhi - 110019  
**Call:** +91- 7011176237  
**Email:** [b.das@istepmentors.com](mailto:b.das@istepmentors.com)  
**Website:** [www.istepmentors.com](http://www.istepmentors.com)

ORGANIZED BY



PARTICIPATION BY



IN PARTNERSHIP WITH



UNSW  
SYDNEY

This is to certify that

**Siddhi Rajan**

from **IMS Engineering College, Ghaziabad** has attended a masterclass titled **The Art and Science of Business Innovation** delivered by **Professor Mary-Anne Williams** from **UNSW Sydney** on **26/12/2023**. The student has undertaken an assessment test to demonstrate understanding of the masterclass and has successfully **passed**.

04-01-2024

**Date**

*Dr. Felix Tan*

**Dr. Felix Tan**  
**Associate Dean (International)**  
**UNSW Sydney**

*Nikhil Malhotra*

**Nikhil Malhotra**  
**Director iSTEPmentors**