

**SIES COLLEGE OF ARTS, SCIENCE AND COMMERCE (AUTONOMOUS),
SION WEST, MUMBAI - 400 022**

DEPARTMENT OF BIOTECHNOLOGY

A. Title of the Internship:

IWSA-SIES Internship Program for undergraduates

B. Background:

Online Internship Program for college students is an initiative taken up by Indian Women Scientists Association to promote Science Education. The TYBSc Biotechnology practical curriculum has a mandatory skill-based laboratory research project which the Covid-19 pandemic had impacted. To compensate, we approached IWSA for collaboration with SIES to conduct an internship program with biotechnology students.

C. Aims/Objectives:

The main objective of the internship was to enable the students to:

1. Design simple experiments that could be executed even at home
2. Opportunity to interact with current and retired research scientists
3. Introduce them to SnapGene - molecular biology simulation technique
4. Present the internship project data in the form of e-poster
5. Organise various guest lectures
6. Develop soft-skills

D. Location:

IWSA mentors interacted with the students on an online platform (MS Teams & Google meet). Some part of the internship project was also executed in the laboratory at the Department of Biotechnology.

E. Target audience/participants with expected number:

31 undergraduate students (25 TY and 6 SY) participated in the internship programme

F. Details of Sessions: The session was held from 18th November -18th December 2021
The students were divided into 6 groups mentored by IWSA members:

Gr. No.	Title of Project	Students Name	IWSA Mentors
1.	Carbon footprint and climate change	Aditya Ravi Shetty, Ali Ahmed Tofikh Sheikh, Amatul Rehman Shaukat Pathan, Shilpa Sivadas, Bhagyashree Ramachandra Gubber	Dr. Sheela Donde, Vijaya Tilak, Sweedle Shivkar, Dr. Umashankari
2.	Colouring of Food and Fabric using Plant-based Natural Dyes	Niveditha Narayanan Narayanan, hanisha Pradeep Mohapatra, Diksha Gajanan Shetti, Jyothika Murugan, Kajol Maruti Satale	Dr. Srirupa Mukherjee, Dr. Maitrayee Paul, Ms. Vijaya Chakravarty, Archana Rath
3.	Use of plants to produce ethanol as alternative fuel for petrol	Liza Peter Fernandes, Manali Shailesh Pradhan, Tamanna Timir Mandal, Misba Mohd Farid Shaikh, Sneha Anbalagan Dever	Dr. Niranjana Chavan, Dr. Paramjit Anthappan, Dr. Abhishek Mule
4.	Bioremediation of wastewater by microbes	Chirag Mansukh Kothari, Omkar Vijay Yadav, Pavitra Dinesh Rai, Sanika Prassanna Rai, Manasa Ramalingaiah Avanganti	Dr. Nancharaiah, Dr A Padmavathi, Dr G Kiran Kumar Reddy, Shyamala Bharadwaj
5.	Use of kitchen waste as an alternative media for growth of yeast	Siddharth Kumreshan Mudliyar, Noel Cheriyan, Anushka Anant Padmanabhan, Vignesh Kumreshan Mudliyar, Karina Dilawar Shaikh	Renu Minda, Dr. Suparna Kamath, Dr. Paramjit Anthappan, Darshana Raut, Sunita Singh
6.	Evolution of microscopes with microbiology and biotechnology research	Aditi Prakash Rao, Bhavi Paresch Mashru, Neha Sandeep Gaonkar, Shruti Nilesh Parmar, Vaidehi Arvind Singh, Manika Anil Sawant	Dr. Lalitha Dhareshwar, Dr. Devaki Ramanathan, Dr. Shubhada Nayak, Dr. Suparna Kamath

The internship also had a common project on Snapgene mentored by **Dr. Akhilesh Chaurasia, Bioponics, School of Medicine, Sungkyunkwan University, South Korea**

Gr. No.	Title of Project	Students Name
1.	<i>Lactococcus lactis</i> integrated expression vector construction for steady and improved synthesis of Short-chain fatty acids	Aditya Ravi Shetty, Ali Ahmed Tofikh Sheikh, Amatul Rehman Shaukat Pathan, Shilpa Sivadas, Bhagyashree Ramachandra Gubber
2.	Identification and Validation of an Antivirulence Agent Targeting SlyA-regulated Virulence in uropathogenic <i>Escherichia coli</i>	Niveditha Narayanan Narayanan, hanisha Pradeep Mohapatra, Diksha Gajanan Shetti, Jyothika Murugan, Kajol Maruti Satale
3.	Rapid and efficient genome editing in <i>Staphylococcus aureus</i> by using an engineered CRISPR/Cas9 system	Liza Peter Fernandes, Manali Shailesh Pradhan, Tamanna Timir Mandal, Misba Mohd Farid Shaikh, Sneha Anbalagan Dever
4.	In-silico design and simulation of genome-integrated orthogonal drug screening platform for the identification of anti-virulence agent by targeting a master virulence regulator in <i>Vibrio vulnificus</i>	Chirag Mansukh Kothari, Omkar Vijay Yadav, Pavitra Dinesh Rai, Sanika Prassanna Rai, Manasa Ramalingaiah Avanganti
5.	Marker-less Deletion of melA gene in <i>Lactobacillus plantarum</i> using Cre-lox system	Siddharth Kumreshan Mudliyar, Noel Cheriyan, Anushka Anant Padmanabhan, Vignesh Kumreshan Mudliyar, Karina Dilawar Shaikh
6.	Construction of Promoter-probe Vector for the Assessment of Divergent Promoters in Bacteria	Aditi Prakash Rao, Bhavi Paresh Mashru, Neha Sandeep Gaonkar, Shruti Nilesh Parmar, Vaidehi Arvind Singh, Manika Anil Sawant

G. Session and names of Resource Persons:

The internship program also had guest lectures delivered by various eminent speakers:

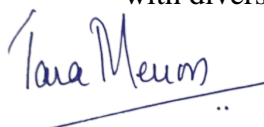
Sr. No.	Title	Speaker & affiliation
1.	Pathways to Decarbonizing Indian Transportation: Synergies Between Technology and Behavior	Dr. K. Shankari <i>Post-Doctoral Director's Fellow, Center for Integrated Mobility Sciences, National Renewable Energy Laboratory (NREL), USA</i>
2.	Microbes in Waste-water Treatment and Bioremediation	Dr. Y.V. Nancharaiah <i>Scientific officer H, Head, Biofouling and biofilm processes section, WSCD chemistry group, BARC, Kalpakkam, India</i>
3.	Yeasts: An Industrial Perspective	Dr. Anuradha Chitnis <i>Senior Scientist 1, Advanced enzymes technologies Ltd., Mumbai, India</i>
4.	Optical Tweezers: The Force of Light in Making Revolution in Micromanipulation	Dr. Shovan Kumar Majumder <i>Senior Scientist, Raja Ramanna, Center for advanced technology, (RRCAT), Professor at Homi Bhabha National Institute (HBNI)</i>
5.	Fundamentals of GHC Accounting & Reporting	Ms. Janjri Jasani <i>Deputy Director, Centre for Environmental Research and Education (CERE), India</i>

H. Expected outcome:

The internship program is awaiting the release of booklets on:

- 'Journey into the microscope' - a booklet designed for 9th grade student to introduce them into the world of microscopy
- 'Change the climate change' - a booklet designed for illiterate and pre-school childrens to introduce them to the concept of climate change
- 'Tales of Blossom' - a DIY for entrepreneurs, housewives and students

The feedback of participants stated that they received hands-on experience which they lacked due to the pandemic. Many skills were learnt during the course of this internship such as multitasking, communicating, presenting the data effectively, learning to deal with diversity of opinions, and dealing with deadlines.



Dr. Tara Menon
Co-ordinator
Department of Biotechnology

18.12.2021

Annexures 1: Detail of the Resource persons for guest lectures

- **Dr. K. Shankari** has done B.E. in computer Engineering from VESIT, University Of Bombay. She completed her Masters in computer science from the University of California, Santa cruz. She completed her PhD in electrical engineering and computer science from University of California Berkeley. She started off her career as a software engineer And she is now a Postdoctoral director's fellow at National renewable energy laboratory (NREL), USA. She has published many papers in various different fields like transportation, tackling climate change, energy efficient buildings, cities and many more. She has influenced the science community by delivering talks on topics like Energy Efficiency, Green transportation, Urban planning, and others. She has mentored UG students through programs like SULI, SUPERB-ITS, URAP and others. She is the creator and primary maintainer of OpenPATH- An open source, extensible platform that empowers communities to collect their own travel data. She has been the Team leader and service delivery manager at VMware and Open Harbor. With the objective of giving back to the society she is involved in Community services and currently is a member of City of Mountain view's bicycle pedestrian advisory committee which was established to address a variety of issues associated with promoting a safe and positive environment for bicyclists and pedestrians in Mountain view including transportation safety and access.
- **Dr. Y.V. Nancharaiiah** is a Scientific Officer H at WSCD, BARC. He joined BARC through 38th batch training school after completing M.Sc in biochemistry. Sir obtained Ph.D. in biochemistry from Madras University. He did his post-doctoral fellowship at UNESCO-IHE, Netherlands, using the Marie Curie Experienced Research fellowship (2014). He was a visiting researcher at the Technical University of Munich, Germany (2001-2002), Brookhaven National Laboratory (2009), and Arizona State University (2010). He was awarded the Coveted DAE Homi Bhabha Science & Technology Award (2017), the ASM visiting professorship award (2009), and Indo-US Science and technology fellow award (2009). He has authored more than 100 research papers in peer-reviewed journals with about 4200 citations and H-Index of 37. His research interests include biofilms, biofouling control, microbial granules, wastewater treatment, and bioremediation.
- **Dr. Anuradha Chitnis**, a Senior Scientist at Advanced Enzyme Technologies Ltd. completed her bachelors and masters degree in life science from Ramnarian Ruia college, Mumbai and PhD in biotech from Institute of Chemical Technology, Matunga, Mumbai. She embarked her career as a research scientist at advanced enzyme technologies ltd. Mumbai and successfully developed Immobilized Lipase products and generated extensive application data for various products. She provided R&D support for grain processing and ethanol production applications and established the 'Chromatography lab' and team for HPLC and GC analysis of biomolecules. She then continued as a team leader and led the team for projects on enzyme formulations for food processing, characterization of the enzymes, application development and transfer of methods and technology to industrial partners and the team for screening 'enzyme candidates for scale-up' from variant libraries developed by protein engineering team and lastly Led the team for analysis of biocatalytical reactions in API synthesis. Dr.

Anuradha was also a part of core team for regulatory fillings of enzymes as processing aid for FSSAI (India), GRAS (US), EFSA (Europe), FSANZ (Australia, New Zealand) and Technical expert to the marketing team for providing inputs for customer value proposition, new business opportunities, competitor intelligence. Provided training to internal and customer teams for enzyme deployment in industrial processes.

- **Dr. Shovan Kumar Majumder** is a senior Scientist at Raja Ramanna Centre for Advanced Technology (RRCAT), a unit of Department of Atomic Energy and Professor at Homi Bhabha National Institute (HBNI), a deemed to be university of Department of Atomic Energy. Presently, he heads the Laser Biomedical Applications Division at RRCAT. Dr. Majumder received his graduate and postgraduate degrees in Physics from Jadavpur University, Kolkata. After successful completion of a one-year Orientation Course from the Bhabha Atomic Research Centre (BARC) Training School, Mumbai, he joined RRCAT in 1992. Dr. Majumder received his Ph.D. degree from the Devi Ahilya Vishwavidyalaya (DAVV), Indore for his work on the use of *Optical Spectroscopy for Cancer Diagnosis*. He worked as a Visiting Scientist at Vanderbilt University, USA where he did his post doctoral work. Dr. Majumder's research interest primarily is in the area of bio-photonics i.e. development and evaluation of photonics based techniques for solving the problems of biology and medicine. His extensive research not only led to the development of a variety of new techniques required for advancing the applications of optical spectroscopy for biomedical diagnosis, but also made it possible to perform non-invasive screening of oral neoplasia and automated diagnosis of tuberculosis in resource-limited clinical settings using photonics-based point-of-care instruments developed in his group. Dr. Majumder has over 100 papers in peer reviewed journals and edited volumes and more than 150 papers in conferences and symposia. He has delivered innumerable invited talks both home and abroad. Dr. Majumder is the recipient of several awards which include "*Homi Bhabha Science and Technology Award*" of the Department of Atomic Energy, "*Raman Bhagat Memorial Award of Excellence*" of Cancer Care India, "*Swargiya Dadasaheb Kalmegh Smruti Award*" of Indian Dental Association, two "*Group Achievement Awards*" of Department of Atomic Energy, "*Young Physicist Award*" of the Indian Physical Society, "*IPG Eminent Scientist Award*" of the IPG Innovative Pharmacist Group, "*The Excellence Award*" of the Rotary Club among others.
- **Ms. Janjri Jasani** graduated from the University of Edinburgh with an MSc. in Environmental Protection and Management and is currently working with the Centre for Environmental Research and Education (CERE) as the organisation's Deputy Director. Her interests centre on Climate Change science, sustainable development & urban solutions to environmental issues and she developed CERE's Carbon Map & Cap TM program to help companies facilitate a green transition and develop a climate mitigation strategy. She is also interested in the role environmental education and systems thinking can play in facilitating solutions to local and global environmental issues. Since leaving school she has been a collegiate level fencer, programmed her own radio show – Lotus Beat, and has co-authored several books related to environmental education. Janjri has also attended DISHA, a UK-India

program on leadership and is in the LEAD India fellowship program. Apart from being an active environmentalist, she also loves to teach and has been a regular guest lecturer at St. Xavier's college in Mumbai and a part of the Youth Leading Environmental Change (YLEC) program. In her free time, she loves to read, hang out with her pet Beagle – Lenny and watch educational YouTube videos on science, physics and astronomy. She is also an avid traveller and adventurer and has been certified as a PADI open water diver.

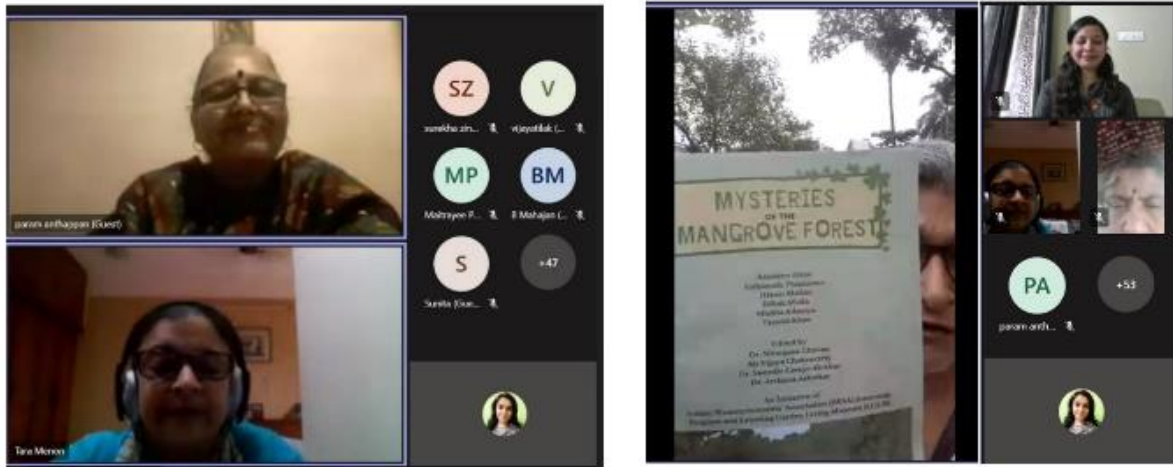
Annexures 2: List of Participants

Sr. No.	Student Name
1	Aditya Ravi Shetty
2	Ali Ahmed Tofikh Sheikh
3	Amatul Rehman Shaukat Pathan
4	Anushka Anant Padmanabhan
5	Bhagyashree Ramachandra Gubber
6	Chirag Mansukh Kothari
7	Dhanisha Pradeep Mohapatra
8	Diksha Gajanan Shetti
9	Jyothika Murugan
10	Kajol Maruti Satale
11	Karina Dilawar Shaikh
12	Liza Peter Fernandes
13	Manali Shailesh Pradhan
14	Manasa Ramalingaiah Avanganti
15	Misba Mohd Farid Shaikh
16	Niveditha Narayanan Narayanan
17	Noel Cheriyan Cheriyan
18	Omkar Vijay Yadav
19	Pavitra Dinesh Rai
20	Sanika Prassanna Rai

21	Shilpa Sivadas
22	Siddharth Kumreshan Mudliyar
23	Sneha Anbalagan Dever
24	Tamanna Timir Mandal
25	Vignesh Kumreshan Mudliyar
26	Aditi Prakash Rao
27	Bhavi Paresh Mashru
28	Neha Sandeep Gaonkar
29	Shruti Nilesh Parmar
30	Vaidehi Arvind Singh
31	Manika Anil Sawant

Annexures 3: Photographs of Seminar/Workshop

- Orientation Program held on 17th November 2021 over MS Teams



- Peer-review held on 14th December 2021

There Are No Passengers On Spaceship Earth. We Are All Crew.

CLIMATE CHANGE AND CARBON FOOTPRINT

TWSA Mentors
 Dr. Shirela Dandekar
 Dr. Snehal Shrivastava
 Ms. Vijaya Tilak
 Dr. Umashankari
Faculty Mentor
 Dr. Subi Yousaf

Students
 •Aditya Shetty
 •Ali Ahmed
 •Amatul Pathan
 •Bhagyashree Gubber
 •Shilpa Srivadas

WEEK 2
Carbon footprint calculation

ONLINE CALCULATORS
<https://www.carbonfootprint.com/calculator.aspx>
<https://depts.washington.edu/lizsa/iscl/cfpcalc.php?version=full>
 Many more.....

MANUAL CALCULATIONS
 We manually calculated our personal carbon footprints by adding carbon emissions of daily activities

CALCULATION:

For electricity consumption,
 $CO_2e = 0.82 \text{ kg of } CO_2e \text{ per kWh of electricity}$

Electricity consumption = 150 units
 Therefore, carbon footprint of electricity consumption =
 $\text{Units of electricity consumed} \times CO_2e$
 $= 150 \times 0.82$
 $= 123 \text{ kg of } CO_2e \text{ per month.}$
 $= 1476 \text{ kg of } CO_2e \text{ per year.}$
 $= 37 \text{ trees}$
 (Approx. 25 trees can offset 1 tonne CO_2e)

Colouring of food & fabric using plant-based natural dyes

GROUP 2

Mentors
 Mr. Dharamdas Motapatre
 Ms. Divya Shetti
 Ms. Jyoti Manjappa
 Ms. Kapsi Sakale
 Ms. Nivedita Narayanan

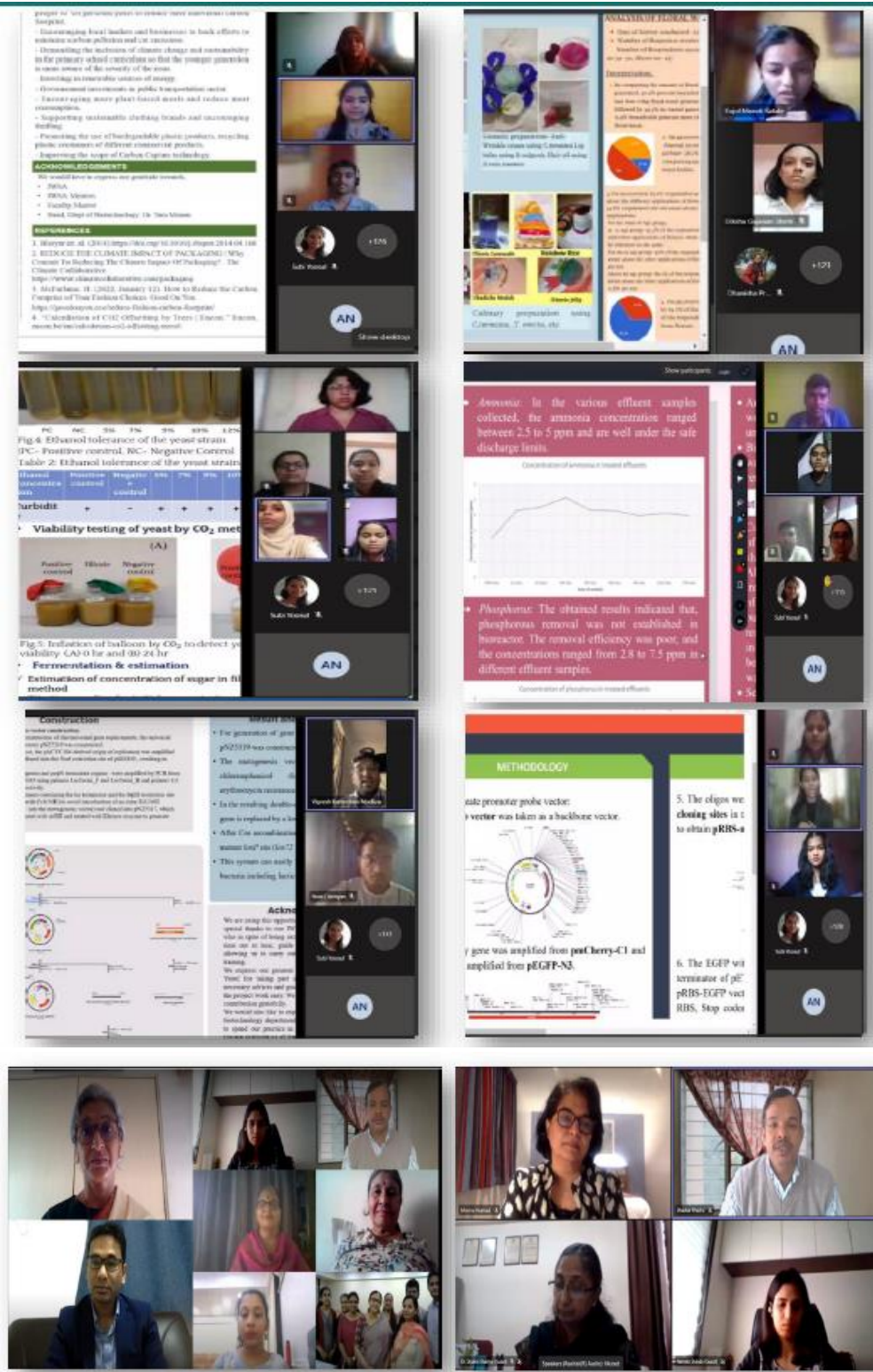
Teacher in-charge
 Mrs. Anu Anand Jaiswal

The healing power of flowers:

Marigold	Hibiscus	Clitoria
<ul style="list-style-type: none"> Can cure venous & varicose veins Anti-inflammatory & promotes wound healing for stabwounds 	<ul style="list-style-type: none"> Strengthens hair roots Lowers body temperature, treat heart & nerve diseases 	<ul style="list-style-type: none"> Memory enhancer, nootropic. Tranquilizing and sedative agent

A screenshot of a Zoom meeting grid showing four participants in a 2x2 layout. The participants are: Top-left (Dr. Shirela Dandekar), Top-right (Dr. Snehal Shrivastava), Bottom-left (Ms. Vijaya Tilak), and Bottom-right (Dr. Umashankari). A control panel on the right shows icons for AS, JM, and DR.

- E-poster presentation held on 22nd January 2021





Dr. Tara Menon
Co-ordinator
Department of Biotechnology

18.12.2021



03/01/2022
BodyFirst Wellness Nutrition
220 Udyog Bhawan
Mumbai
Maharashtra
400063

Subject: Internship Completion

Dear Abhishek,

We at BodyFirst Wellness Nutrition, are glad to inform you that Abhishek Mishra from SIES College of Arts, Science & Commerce has successfully completed his internship from 1st October 2021 to 15th December 2021.

During his internship he was exposed to various Business Development and Marketing Activities.

We found his extremely inquisitive & hard working. He was very much interested in learning new things and has put his best efforts to understand the subject better.

His association with us was very fruitful & we wish him all the best for future endeavours.

Thank You

For BodyFirst Wellness Nutrition

A handwritten signature in blue ink, appearing to read "Ranjitha", is placed over a faint, circular watermark.

Ranjitha Balakrishnan

GM – Business Development, Strategy & New Product Development

BFWNPL/2021-2022

Friday, December 24, 2021

Mr. Abhishek Mishra,
Asalpha,
Ghatkopar West
Mumbai – 400 084.
abhishekrjm2@gmail.com

Dear Mr. Abhishek Mishra,

Sub: Appointment as Management Trainee - Business Development

We are pleased to inform your appointment as Management Trainee - Business Development, in our Organisation with effect from 15th December 2021, on the following terms and conditions:

1. The salary payable to you would be Rs. 16,000/- per month.
2. You would be entitled to one month's leave for every 12 months of service after approval of leave application post completion of probation period
3. You would be entitled to bonus equal to one month's salary for each year of completed service.
4. You will allowed House Rent Allowance of Rs. 4,000/- per month.
5. You will be allowed Special Allowances Rs. 5,000/- per month.
6. You shall undertake such traveling as may be required to do in the interest of the company from time to time.
7. Principally you will report to Ms. Ranjitha Balakrishnan on Day to Day Operations and will carry out the instructions / orders / responsibilities given by your superior from time to time.
8. You will be on the probation for a period of six months from the date of your joining. The said period of probation will be liable to be extended for a further period of three months at the sole discretion of the Management depending on the assessment of your overall performance. Unless confirmed in writing you will continue to be on probation.
9. During the probatio perios you will never be allowed to take leaves
10. During the probation period your services will be terminated without any notice and without assigning any reason at the sole discretion of the Management.
11. On confirmation your services will be liable to be terminated by giving one month's notice or one month salary in lieu of notice except for dismissal, discharge or termination for misconduct when you will not be entitled to any such notice or salary thereof.
12. Your appointment and continuation in employment of the organization will be further subject to you remaining medically fit. The management will have right get you examined or re-examined from any registered medical practitioner /surgeon / physician whose advice shall be final and binding on you.

.....2/-

13. You will be whole-time employee of the company and will not engage yourself in any work, similar in nature to that of the company and or in which you may for the time being be engaged by the company or engage yourself anywhere in any work, profession or employment in any capacity either honorary or otherwise.
14. That you will not utilize, disclose or divulge to any person or persons any trade secret or know-how of this company.
15. Your services will be liable to transfer from one place to another place one establishment to establishment one department to another department without prior permission from the management.
16. Your service would come to an end automatically on attaining the age of 58 years by way of retirement or even earlier if found unfit.
17. If at any time during your employment you will be found guilty of any act of misconduct or any willful breach or continuous negligence in the terms of this appointment letter or rules or dereliction of the duties, disobedience of the instructions given to you from time to time by your superior the Management may without any notice or payment in lieu of any notice put an end to your services with the company. You will deem to have brought about such situation by your misconduct compelling the management to put an end to your services and in addition you shall be liable for all losses, damages to the company.
18. Your appointment is being made on the basis of your particular such as qualification (academic and professional), experience, salary package, date of birth/proof of residence etc furnished in your application. In case any information as given by you found false or incorrect your appointment will be deemed *void ab initio* and liable for termination without any notice or salary in lieu of notice.
19. You will be bound and abide by the rules and regulations in force and framed by the company from time to time in relation to the service conditions which will form part of your terms of employment.
20. That you shall not accept any contribution or otherwise associate with the raising of any funds or make other collections, whether in cash or in kind in pursuance of any object, whatsoever, or accept or demand any subscription from any co-worker or staff member of the management.
You covenant and agree with the company that for the period of 5 years from the date of terminating your services for any reason whatsoever you will not work with a competitor or in the organization where same nature of business is being carried out or might be pursuing at the time of leaving the organization directly or indirectly. You will not acquire or hold any interest in any company engaged in Competing business which is directly or indirectly controlled by a person engaged in any competing business. You will not hire or endeavor to entice away any person who has been working with BodyFirst for a period of 2 years. You will not employ any person who has resigned/had been asked to leave the company within 2 years of his leaving the company.

In case of breach of the covenants, the Company will be entitled to claim damages for the same, from you.

If the above terms and conditions are acceptable to you please return a duplicate copy of the appointment letter duly accepted and signed by you in token of your acceptance.

Wish you all the best.

Thanking you,

Yours truly,

For BodyFirst Wellness Nutrition Pvt. Ltd.,

Suresh Deora
Director

Declaration by the Employee

I accept the offer and the terms and conditions mentioned in the aforesaid appointment letter. I have understood the same in the language known to me.

Signature of the Employee

CERTIFICATE OF COMPLETION

This certifies that

Manali Sudarshan Palar

Has done her Virtual **5 Week Internship Programme Organised by CASMB**,
from 2nd August to 3rd September 2021



**CHAMBER FOR ADVANCEMENT
OF SMALL & MEDIUM BUSINESSES**

Organised by

Nilesh Lele

Nilesh Lele - President, CASMB



AFSI
Empowering the Financial Professional

**Mumbai
Chapter**

Supported by

CERTIFICATE OF COMPLETION

This certifies that

Shreya Ramakrishnan

Has done her Virtual **5 Week Internship Programme Organised by CASMB**,
from 2nd August to 3rd September 2021



**CHAMBER FOR ADVANCEMENT
OF SMALL & MEDIUM BUSINESSES**

Organised by

Nilesh Lele

Nilesh Lele - President, CASMB



AFSI
Empowering the Food Professional

**Mumbai
Chapter**

Supported by

CERTIFICATE OF COMPLETION

This certifies that

Sneha Vilas Kumbhar

Has done her Virtual **5 Week Internship Programme Organised by CASMB**,
from 2nd August to 3rd September 2021



CHAMBER FOR ADVANCEMENT
OF SMALL & MEDIUM BUSINESSES

Organised by

Nilesh Lele

Nilesh Lele - President, CASMB



AFSI
Empowering the Food Professional

Mumbai
Chapter

Supported by

CERTIFICATE OF COMPLETION

This certifies that

Yuktha Thilakan Pulikkal

Has done her Virtual **5 Week Internship Programme Organised by CASMB**,
from 2nd August to 3rd September 2021



**CHAMBER FOR ADVANCEMENT
OF SMALL & MEDIUM BUSINESSES**

Organised by

Nilesh Lele

Nilesh Lele - President, CASMB



AFSI
Empowering the Food Professional

**Mumbai
Chapter**

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envirocare labs[®] pvt. ltd.
Analysis and Beyond...

Enviro House,
A7-A8, MIDC, Wagle Industrial Estate,
Main Road, Thane - 400604, India
Telefax : +91 22 2583 8286 - 89
CIN: U99999MH1988PTC045938

www.envirocare.co.in
info@envirocare.co.in

Date: 20th January, 2022

TO WHOMSOEVER IT MAY CONCERN

We certify that **Ms. Shraddha Parakh**, student of **Post Graduate Diploma in Food Technology & Nutraceutical** from SIES college of Arts, Science & Commerce, has undergone training in the **Quality Department** at **Envirocare Labs Pvt Ltd** from **10th August 2021 to 15th December 2021**.

She has done her internship on project titled **“ISO / IEC 17025:2017 Clause 6 Resource Requirement”** for submission to SIES college of Arts, Science & Commerce for the partial fulfilment of Post Graduate Diploma in Food Technology & Nutraceutical.

We wish her success in her future endeavours.

Sincerely Yours,

For Envirocare Labs Pvt. Ltd.

Dr. Nilesh Amritkar
Managing Director



envirocare labs® pvt. ltd.
Analysis and Beyond...

Enviro House,
A7-A8, MIDC, Wagle Industrial Estate,
Main Road, Thane - 400604, India
Telefax : +91 22 2583 8286 - 89
CIN: U99999MH1988PTC045938

www.envirocare.co.in
info@envirocare.co.in

Date: 20th January, 2022

TO WHOMSOEVER IT MAY CONCERN

We certify that **Ms. Ruchi Vira**, student of **Post Graduate Diploma in Food Technology & Nutraceutical** from SIES college of Arts, Science & Commerce, has undergone training in the **Sales & Marketing Department** at **Envirocare Labs Pvt Ltd** from **10th August 2021 to 15th December 2021**.

She has done her Internship on 'Concept of Digital Marketing' for submission to SIES college of Arts, Science & Commerce for the partial fulfilment of Post Graduate Diploma in Food Technology & Nutraceutical.

We wish her success in her future endeavours.

Sincerely Yours,

For Envirocare Labs Pvt. Ltd.

Dr. Nilesh Amritkar
Managing Director

Envirocare Labs

A7-A8, Enviro House MIDC Main Road, Wagle Industrial Estate, Thane 400604.

hr@envirocare.co.in

Date: 25th December, 2021

To,

Ms. Ruchi Vira,

9769111935

rviral133@gmail.com

Offer Letter

Dear **Ms. Ruchi Vira,**

We are pleased to offer you the position of **“Digital Marketing Executive”**. You will be posted at Envirocare Labs Thane. The general Terms & Conditions of your appointment shall be as enumerated below. You shall be given a formal appointment letter with detailed terms and conditions on joining.

1. Your probation period shall be 12 months, If you wish to resign, you will have to give advance notice of 45 days to the company. However company has the right to stop your services with a 15 days notice period.
2. Your duties / responsibilities shall be separately provided, which shall be modified from time to time as deemed fit by the Company.
3. For all technical matters, you shall be reporting to Section In-charge or Designated Senior/s
4. During the period of employment, you shall abide by and be governed by the service rules and regulations of the company and amendments thereto from time to time.
5. You shall carryout all assigned duties faithfully and diligently and follow instructions and orders given to you by or on behalf of the Officer having the authority to issue such instructions and orders in relation to your duties and employment.
6. At the discretion of the Company you may be transferred at any time to any location of the company.
7. In view of the sensitive and confidential nature of work role assigned to you, you shall maintain strict confidentiality w.r.t. customers, vendors and stakeholders of the company and any matters of commercial, scientific and legal nature either pertaining to the company or its stakeholders.
8. Your annual gross CTC shall be **2.12 L PA.**
9. Prior to joining duties, you are advised to submit the following documents to HR:
 - Photocopies of documents in support of your educational qualifications, i.e., SSC, HSC, Graduation, Post-Graduation and any other
 - Photocopies of Aadhar Card, PAN Card, Voter ID, School Leaving Certificate / Birth Certificate, Proof of current residence
 - Medical Fitness Certificate from a Registered Medical Practitioner with minimum MBBS qualification.
10. The Salary disbursement shall be subjected to providing all the required documents as requested by HR.

Envirocare Labs

A7-A8, Enviro House MIDC Main Road, Wagle Industrial Estate, Thane 400604.

hr@envirocare.co.in

Please sign and return a copy of this letter in acceptance of the terms and conditions. We look forward to welcoming you at Envirocare Labs and wish you a very successful career with us.

Best regards,

Sincerely Yours,
HR Department
Envirocare Labs

ACCEPTANCE

I, **Ms. Ruchi Vira**, agree to the terms and conditions stated as above, and I hereby confirm that I shall adhere to the policies of the company and will discharge my duties, roles and responsibilities competently and faithfully to the satisfaction of the higher authorities. I shall join the company on

_____.

Signature

Ms. Ruchi Vira,

Place:

Date:

<p>महाराष्ट्र शासन सहायक संचालक अन्न व औषध प्रशासन प्रयोगशाळा वांद्रे कुर्ला संकुल, वांद्रे पूर्व मुंबई 400 051</p>	  <p>FDA MAHARASHTRA</p>  <p>Your Service is Our Duty</p>	<p>GOVERNMENT OF MAHARASHTRA Assistant Director, Food & Drug Administration Laboratory (M.S.) 341, Bandra - Kurla Complex, Bandra (East), Mumbai 400 051. Tel.No. 26592362 Email ID : addcl_mum@yahoo.co.in</p>
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No. FDAL/TC/ 670 -21/2

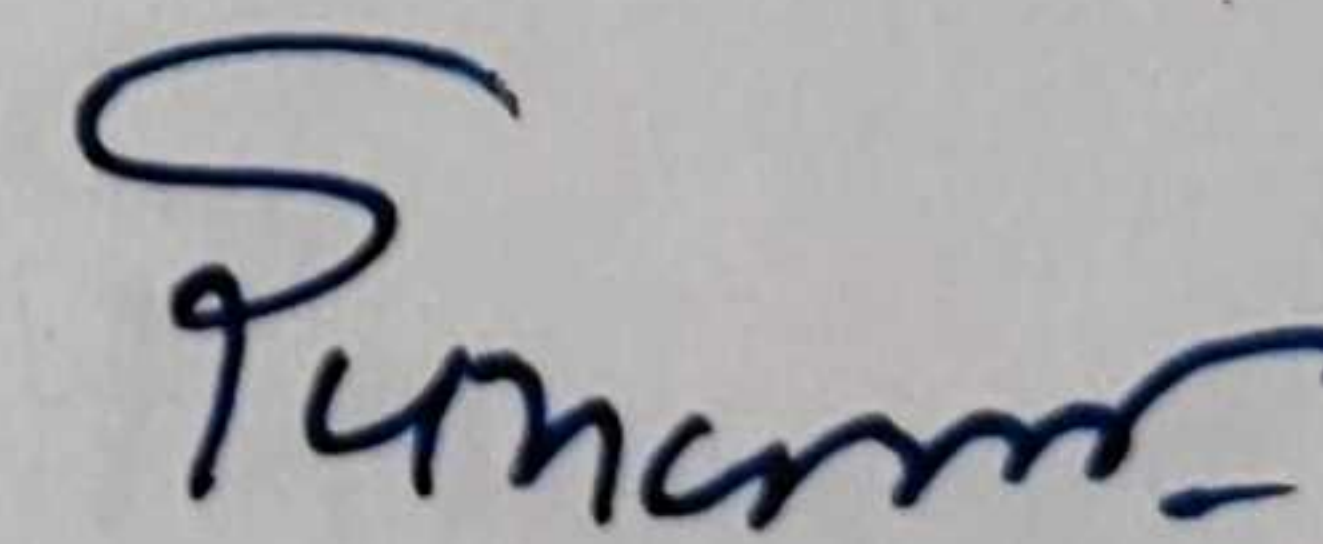
Date : 28/12/2021

CERTIFICATE

This is to certify that, **Ms. Shivani S. Kadam** Student of SIES College of Arts, Science & Commerce, Sion, Mumbai had been in this Laboratory from 22nd September 2021 to 23rd December 2021.

During this period she has observed and learned the procedures and process adopted for the Standardization of various Food & Drugs Articles. She was also involved in the analysis of above articles with the help of chemical and sophisticated analytical techniques.

This certificate is issued for academic purpose as per the request of trainee.



(Sangita.R.Thakur)
Assistant Director

Food and Drug Administration Laboratory
Mumbai 51

To,
Ms. Shivani S. Kadam

Copy to: SIES College of Arts, Science & Commerce, Sion, Mumbai

<p>महाराष्ट्र शासन सहायक संचालक अन्न व औषध प्रशासन प्रयोगशाळा वांद्रे कुर्ला संकुल, वांद्रे पूर्व मुंबई 400 051</p>	  <p>FDA MAHARASHTRA Your Service is Our Duty</p>	<p>GOVERNMENT OF MAHARASHTRA Assistant Director, Food & Drug Administration Laboratory (M.S.) 341, Bandra - Kurla Complex, Bandra (East), Mumbai 400 051. Tel.No. 26592362 Email ID : addcl_mum@yahoo.co.in</p>
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No. FDAL/TC/ 670 -21/2

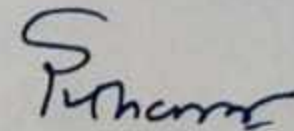
Date : 28/12/2021

CERTIFICATE

This is to certify that, **Ms. Sonal R. Gaikar** Student of SIES College of Arts, Science & Commerce, Sion, Mumbai had been in this Laboratory from 22nd September 2021 to 23rd December 2021.

During this period she has observed and learned the procedures and process adopted for the Standardization of various Food & Drugs Articles. She was also involved in the analysis of above articles with the help of chemical and sophisticated analytical techniques.

This certificate is issued for academic purpose as per the request of trainee.



(Sangita.R.Thakur)
Assistant Director

Food and Drug Administration Laboratory
Mumbai 51

To,
Ms. Sonal R. Gaikar

Copy to: SIES College of Arts, Science & Commerce, Sion, Mumbai



India's 1st Food Rating System

INTERNSHIP CERTIFICATE

We are pleased to certify that **Ms. Sneha Kumbhar**, has successfully completed her online internship at The Nutrition Alchemy (LabelBlind®) from **15th March 2021** to **31st May, 2021**, for a duration of 10 weeks.

For her internship, she was working as a **Food Regulatory Intern**. She fulfilled her responsibilities to the best of her capabilities.

Her work was found to be satisfactory and her performance was good. We wish her all the best for her future endeavours.

Best wishes

Date: 15th June, 2021

Rashida Vapiwala
Founder, The Nutrition Alchemy

SAFEFOODZ SOLUTIONS



401, B-04, Devavrata, Ashtavinayak Gruh Sankul, Phase-2, ADAI-410206, Panvel.
Mob.: +91 7666 578715; E-mail: haccp.sbi@gmail.com Website: www.safefoodz.in

SAFEFOODZ

Cert. No.: 030701

Certificate

This is to certify that Mr. Shreedhar Madane has worked as an Intern at SafeFoodz Solutions, from 26th July, 2021 to 07th March, 2022 in the department of Food Safety under my supervision.

He was very sincere and hardworking and his performance was found to be good.

Sanjay Indani
Director – Technical, Food Safety
SafeFoodz Solutions
Date: 07th March, 2022

03rd March 2022

Shreedhar Madane
Mumbai.

Sub: Offer Letter

This is in reference to your application and the subsequent interview we had with you, we are pleased to shortlist you for the position of “**Microbiologist**” in our organization on following terms & conditions. You will be on the Confirmation period.

Your Annual CTC will be **Rs. 205,690/-**

At the time of Joining, you are requested to bring the following documents.

1. All education certificates
2. Copy of previous employer relieving / resignation acceptance.
3. Address proof and Photo ID Proof
4. 2 passport size photo
5. PAN card photo copy
6. Last Month Salary Slip
7. Aadhar Card (Mandatory)

If you are in agreement with the aforesaid information please return the acknowledgement copy with your signature, signifying your acceptance of the same.

We welcome you to our organization and wish you all the best in our pursuit of excellence.

For EQUINOX LABS PVT.LTD.



DIRECTOR

I accept the offer letter of my employment. I did understand the implication thereof.

Signature of Employee:

Date: 03rd March 2022

03rd March 2022

Name: Shreedhar Madane

Designation: Microbiologist

ANNEXURE

Basic + DA	7,000
CCA + CA	3,500
HRA	3,500
Monthly Gross	14,000
Employer Contribution (Per Annum)	
Employer PF Contribution	15,120
Gratuity **	4,038
MLWF	72
Bonus *	13,000
ESIC	5,460
Annual CTC	205,690
Employee Deductions (Per Month)	
EPF	1,260
ESIC	105
PT	200
Total Deduction	1,565
Net Take Home	12,435

** This will be given after Completion of 5 Year of service.

* This will be given after Completion of 1 Year of service that will be paid during next Diwali which is based on your earn salary. Please note the calculation and payment is given based on the financial year.

Note:

1. PT will be deducted Rs.300 in the month of February. This is subject to change in case of any amendment by law.
2. MLWF will be deducted twice in a year i.e. June & December, which would be Rs.12 each.

<p>महाराष्ट्र शासन सहायक संचालक अन्न व औषध प्रशासन प्रयोगशाळा वांद्रे कुर्ला संकुल, वांद्रे पूर्व मुंबई 400 051</p>	  <p>FDA MAHARASHTRA</p>  <p>Your Service is Our Duty</p>	<p>GOVERNMENT OF MAHARASHTRA Assistant Director, Food & Drug Administration Laboratory (M.S.) 341, Bandra - Kurla Complex, Bandra (East), Mumbai 400 051. Tel.No. 26592362 Email ID : addcl_mum@yahoo.co.in</p>
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No. FDAL/TC/ 670 -21/2

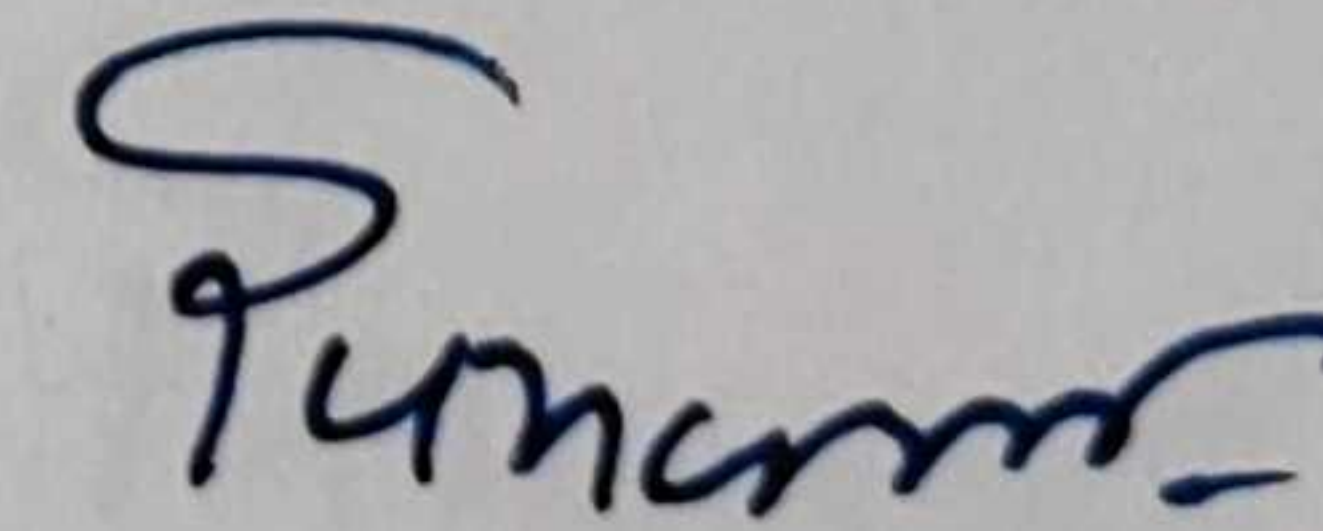
Date : 28/12/2021

CERTIFICATE

This is to certify that, **Ms. Shivani S. Kadam** Student of SIES College of Arts, Science & Commerce, Sion, Mumbai had been in this Laboratory from 22nd September 2021 to 23rd December 2021.

During this period she has observed and learned the procedures and process adopted for the Standardization of various Food & Drugs Articles. She was also involved in the analysis of above articles with the help of chemical and sophisticated analytical techniques.

This certificate is issued for academic purpose as per the request of trainee.



(Sangita.R.Thakur)

Assistant Director

Food and Drug Administration Laboratory
Mumbai 51

To,
Ms. Shivani S. Kadam

Copy to: SIES College of Arts, Science & Commerce, Sion, Mumbai

From.

Sovereign Foods Pvt. Ltd.

Navi Mumbai

Date: 14th September 2021

Dear Hrishikesh Nalawade,

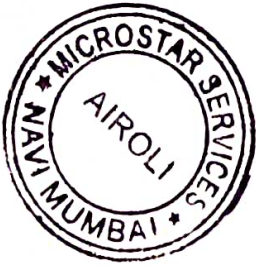
I am pleased to inform that your application for internship in the Production Department has been accepted. Here are the terms of internship while working with the company:

1. Duration of internship will be 3 months, starting from September 15th 2021 to December 15th 2021.
2. As an intern, you are not company's employee and therefore, this internship will be unpaid.
3. You will not be entitled or any other benefits from the company during this tenure.
4. You will not use any document or equipment for your own use during the completion of the internship.

Please feel free to contact us in case of further details. Wishing you good luck for your future endeavors.

Sincerely,

Sovereign Foods Pvt. Ltd.



From.

Sovereign Foods Pvt. Ltd.

Navi Mumbai

Date: 14th September 2021

Dear Shreya Shinde,

I am pleased to inform that your application for internship in the Production Department has been accepted. Here are the terms of internship while working with the company:

1. Duration of internship will be 3 months, starting from September 15th 2021 to December 15th 2021.
2. As an intern, you are not company's employee and therefore, this internship will be unpaid.
3. You will not be entitled to any other benefits from the company during this tenure.
4. You will not use any document or equipment for your own use during the completion of the internship.

Please feel free to contact us in case of further details. Wishing you good luck for your future endeavors.

Sincerely,

Sovereign Foods Pvt. Ltd.



14th July 2021

Ref. No.: YBL/2021-22/C113/HCN/449/PRP

Mr. Swapnil Vasant Tambe
Room No. 1910, Ramnagar,
Digha, Near Mukand Company,
Navi Mumbai-400708

Sub: Welcome to Yashraj Biotechnology Ltd (YBL) Family

Dear Mr. Swapnil

Welcome to Yashraj Family!

Yashraj Biotechnology Ltd., vision is - "Be the Key Player in Life Sciences - Diagnostics and Drive Innovation for Making a Healthier World".

We are a research and innovation driven ISO 13485:2016, ISO 9001:2015 and OHSAS 18001:2007 certified company, established during 1999 in Navi Mumbai, Maharashtra, India. We have operations in Germany, USA and in South Korea. Our research, development and production-related activities encompass a whole range of native, recombinant and cell-derived antigens; and monoclonal antibodies. Highest standards of quality and unwavering commitment towards healthcare innovation has enabled us to capture some of the biggest market segments for various biomarker antigens and antibodies that YBL develops. YBL encourages and facilitates innovation, creation, discovery, dissemination and application of new knowledge and foster academic alliances.

We are delighted to welcome you to be a part of YBL's vision and family.

This offer of employment is for the position of **Lab Technician-Quality Control** at Yashraj Biotechnology Ltd.

Please find attached the terms and conditions of your employment. Should you accept this offer letter, your start date will be 22nd July, 2021 or any other date mutually agreed upon and you would report to Sr. Manager, Quality Control Dept.

We would like to have your response latest by 17th July, 2021. In the meantime, please feel free to contact my colleague Priya Pingale at priya@yashraj.com/+91 9004621900 for any further information / clarification.

Looking forward to having you as a part of Yashraj Family.

Best regards,



Vandana Bhansali
Vice President
Human Capital Nurturing

: Registered Office & Correspondence Address :

C-232, TTC Industrial Area, MIDC, Navi Mumbai - 400 705 (INDIA) • Tel.: 91 - 22 - 6216 6800
e-mail : info@yashraj.com • website : www.yashraj.com • CIN : U73100MH1999PLC119769

Terms and Conditions

1. Commencement of employment

Your employment will be effective, as on 2nd August 2021 or any other date mutually agreed.

2. Job title

Your job title will be **Lab Technician-Quality Control** and will report to Sr. Manager Quality Control Dept.

3. Salary

Your salary and other benefits will be as set out in Schedule I, hereto.

4. Place of posting

You will be posted at the Company's registered office in Navi Mumbai.

5. Hours of Work

The normal working days are Monday through Friday and 1, 3 & 5 Saturday. The normal working hours are from 8.30 am to 5.30 pm. You will be required to work for such hours as necessary for the proper discharge of your duties to the Company.

6. Leave/Holidays

- 6.1 You are entitled to Paid Leave of 18 days and 5 Sick Leaves in a year.
- 6.2 Second and Fourth Saturday are non-working.
- 6.3 The Company shall notify a list of declared holidays in the beginning of each year.

7. Nature of duties

You will perform to the best of your ability all the duties as are inherent in your post and such additional duties as the company may call upon you to perform, from time to time. Your specific duties are set out in Schedule II hereto.

8. Company property

You will always maintain in good condition Company property, which may be entrusted to you for official use during the course of your employment and shall return all such property to the Company prior to relinquishment of your charge.

9. Borrowing/accepting gifts

You will not borrow or accept any money, gift, reward or compensation for your personal gains from or otherwise place yourself under pecuniary obligation to any person/client with whom you may be having official dealings.

A. Bhasani
14/07/2021



10. Termination

- 10.1 Your appointment can be terminated by the Company, without any reason, by giving you not less than 2 months' prior notice in writing or salary in lieu thereof. For the purpose of this clause, salary shall mean basic salary.
- 10.2 You may terminate your employment with the Company, without any cause, by giving no less than 2 months' prior notice or salary for unsaved period, left after adjustment of pending leaves, as on date.
- 10.3 The Company reserves the right to terminate your employment summarily without any notice period or termination payment, if it has reasonable ground to believe you are guilty of misconduct or negligence, or have committed any fundamental breach of contract or caused any loss to the Company.
- 10.4 On the termination of your employment for whatever reason, you will return to the Company all property; documents and paper, both original and copies thereof, including any samples, literature, contracts, records, lists, drawings, blueprints, letters, notes, data and the like; and Confidential Information, in your possession or under your control relating to your employment or to clients' business affairs.

11. Confidential Information

- 11.1 During your employment with the Company you will devote your whole time, attention and skill to the best of your ability for its business. You shall not, directly or indirectly, engage or associate yourself with, be connected with, concerned, employed or engaged in any other business or activities or any other post or work part time or pursue any course of study whatsoever, without the prior permission of the Company.
- 11.2 You must always maintain the highest degree of confidentiality and keep as confidential the records, documents and other Confidential Information relating to the business of the Company which may be known to you or confided in you by any means and you will use such records, documents and information only in a duly authorized manner in the interest of the Company. For the purposes of this clause 'Confidential Information' means information about the Company's business and that of its customers which is not available to the general public and which may be learnt by you in the course of your employment. This includes, but is not limited to, information relating to the organization, its customer lists, employment policies, personnel, and information about the Company's products, processes including ideas, concepts, projections, technology, manuals, drawing, designs, specifications, and all papers, resumes, records and other documents containing such Confidential Information.
- 11.3 At no time, will you remove any Confidential Information from the office without permission.
- 11.4 Your duty to safeguard and not disclose Confidential Information will survive the expiration or termination of this Agreement and/or your employment with the Company.
- 11.5 Breach of the conditions of this clause will render you liable to summary dismissal under clause above in addition to any other remedy the Company may have against you in law.

12. Notices

Notices may be given by you to the Company at its registered office address. Notices may be given by the Company to you at the address intimated by you in the official records.

A. S. Bhonsale
14/07/2021



13. Applicability of Company Policy

The Company shall be entitled to make policy declarations from time to time pertaining may alter the same from time to time at its sole discretion. All such policy decisions of the Company shall be binding on you and shall override this Agreement to that extent.

14. Governing Law/Jurisdiction

Your employment with the Company is subject to Indian laws. All disputes shall be subject to the jurisdiction of Mumbai High Court, Maharashtra only.

For Yashraj Biotechnology Ltd.,

Vandana Bhansali
14/07/2021

Vandana Bhansali
Vice President
Human Capital Nurturing



Please sign one copy of this letter and return it to us as a token of your acceptance of the Post

The terms and conditions and offer of the employment as above is acceptable to me.

I hereby confirm that I shall join duties on or before _____.

Name:

Date:

Signature:

Schedule I : Salary in INR (Per Month)

Basic Salary	INR 14,700.00
House rent allowance	INR 2,962.00
PF Contribution (Employer Contribution)	INR 1,764.00
ESIC Contribution (Employer Contribution)	INR 574.00
Total CTC	INR 20,000.00

Staff Benefits:

Gratuity

Bonus

Individual Mediclaim of INR 500,000

Personal Accident of INR 500,000

Subsidized Canteen Facility

Transportation

Awards and Recognition Programmes

D. S. Dasgupta
14/07/2021

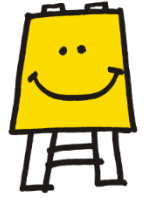


Schedule II: Nature of Duties

1. To own the YBL's Vision, Value and Mission
2. Support in on-time release of Raw material, Intermediate, Bulk and Finish Product.
3. Sampling of material from process department
4. Involved in activities such as SDS PAGE, western Blot, CIE, ELISA, CLIA and Immunonephelometry.
5. Data Entry for material receipt and indenting
6. Monthly Stock Management.
7. Support in Release COAs as per TAT
8. Responsible for equipment maintenance and available for analysis to achieve production target
9. Support in on-time Planning, Verification & Validation of new products as per specifications submitted by R&D.
10. Should work as informed voice as customers' representative in our premises.
11. Any other activities in the interest of YBL

O. B. Bhasel
14/07/2021





Trust Office

Y. B. Chavan Center,
4th Floor,
Gen. J. Bhosale Marg,
Nariman Point,
Mumbai - 400 021.
India

■
Phone

(91-22) 22819561/
22819562

■
Fax

(91-22) 22819563

Date: 24th December 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Nachiketa Thaker has interned with Pratham Council for Vulnerable Children (PCVC), the Child Rights wing of Pratham between 9th September 2021 to 3rd December 2021 in Mumbai, Maharashtra for 45.5hrs (21hrs on field and 24.5hrs virtually).

PCVC serves as the Child Rights and Protection wing of Pratham, established in the year 2000, with the aim of "Every Child's Rights Protected, Every Child in School and Learning Well", organization working across 24 states in India, working on access and improving education.

He interacted with children who were previously child laborers before being rescued by Pratham and was able to participate in activities and group sessions planned for these children. Nachiketa was part of child labour survey with the team as well as a survey of children who are enrolled in schools in the community. He has also worked online and created 7 UDID for children with special needs.

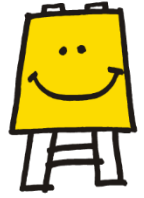
He was able to adapt to the different conditions and showed sensitivity and professionalism in his approach. We wish Nachiketa the best for his future endeavours.

Thanking you!

Sincerely,

Kishor Bhamre

Director Pratham Council for Vulnerable Children



Trust Office

Y. B. Chavan Center,
4th Floor,
Gen. J. Bhosale Marg,
Nariman Point,
Mumbai - 400 021.
India

■
Phone

(91-22) 22819561/
22819562

■

Fax

(91-22) 22819563

Date: 24th December 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Steffi Devassy Pulluparamban has interned with Pratham Council for Vulnerable Children (PCVC), the Child Rights wing of Pratham between 9th September 2021 to 3rd December 2021 in Mumbai, Maharashtra for 45.5hrs (21hrs on field and 24.5hrs virtually).

PCVC serves as the Child Rights and Protection wing of Pratham, established in the year 2000, with the aim of "Every Child's Rights Protected, Every Child in School and Learning Well", organization working across 24 states in India, working on access and improving education.

She interacted with children who were previously child laborers before being rescued by Pratham and was able to participate in activities and group sessions planned for these children. Steffi was part of child labour survey with the team as well as a survey of children who are enrolled in schools in the community. She has also worked online and created 7 UDID for children with special needs.

She was able to adapt to the different conditions and showed sensitivity and professionalism in her approach. We wish Steffi the best for her future endeavours.

Thanking you!

Sincerely,

Kishor Bhamre

Director Pratham Council for Vulnerable Children