<u>1.</u>



### DEPARTMENT OF BIOTECHNOLOGY

### CERTIFICATE

This is to certify that Ms. Palak Kashyap having Roll no. 2104280540007 have worked and successful completed on mini project entitled "Isolation and identification of gram positive and gram negative bacteria from different areas of Mess" under the supervision of Er. Aharnish Maurya during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date: 08/02 /2,24

Signature of Student

Signature of Supervisor

Hornich Maurya.

Signature of Head of Department

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### DEPARTMENT OF BIOTECHNOLOGY

### CERTIFICATE

This is to certify that Ms. Aditi Singh having Roll no. 2204280540002 have worked and successful completed on mini project entitled "Isolation and identification of gram positive and gram negative bacteria from different areas of Mess" under the supervision of Er. Aharnish Maurya during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date: 08/02/2024

Signature of Supervisor

Alwanish Marya

Signature of Head of Department

### 

### DEPARTMENT OF BIOTECHNOLOGY

### CERTIFICATE

This is to certify that Ms. Anshika Chaturvedi having Roll no. 2204280540004 have worked and successful completed on mini project entitled "Isolation and identification of gram positive and gram negative bacteria from different areas of Mess" under the supervision of Er. Aharnish Maurya during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date: 08/02/2024

Anglike Signature of Student

Signature of Supervisor

Er Abarnish Maurya

Signature of Head of Department

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### DEPARTMENT OF BIOTECHNOLOGY

### CERTIFICATE

This is to certify that Mr. Ashish Vishwakarma having Roll no. 2204280540005 have worked and successful completed on mini project entitled "Isolation and identification of gram positive and gram negative bacteria from different areas of Mess" under the supervision of Er. Aharnish Maurya during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date: 08/02/2024

Signature of Student

Signature of Supervisor

Er. Aharnish Maurya

Signature of Head of Department

Office Shailendra Singh Shera





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### DEPARTMENT OF BIOTECHNOLOGY

### CERTIFICATE

This is to certify that Ms. Ayushi chauhan having Roll no. 2204280540006 have worked and successful completed on mini project entitled "Isolation and identification of gram positive and gram negative bacteria from different areas of Mess" under the supervision of Er. Aharnish Maurya during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

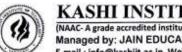
Date: 08/02/1024

Signature of Student

Signature of Supervisor

Signature of Head of Department





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### DEPARTMENT OF BIOTECHNOLOGY

### CERTIFICATE

This is to certify that Mr. Dheeraj yadav having Roll no. 2204280540007 have worked and successful completed on mini project entitled "Isolation and identification of gram positive and gram negative bacteria from different areas of Mess" under the supervision of Er. Aharnish Maurya during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date: 08/02/2024

Signature of Student

Signature of Supervisor

Er. Aharnish Maurya

Signature of Head of Department







### DEPARTMENT OF BIOTECHNOLOGY

### CERTIFICATE

This is to certify that Ms. Esha verma having Roll no. 2204280540008 have worked and successful completed on mini project entitled "Isolation and identification of gram positive and gram negative bacteria from different areas of Mess" under the supervision of Er. Aharnish Maurya during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date: 08/02/2024

Signature of Student

Signature of Supervisor

Er. Aharnish Maurya

Signature of Head of Department



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### DEPARTMENT OF BIOTECHNOLOGY

### CERTIFICATE

This is to certify that Ms. Nikita Tripathi having Roll no. 2204280540012 have worked and successful completed on mini project entitled "Isolation and identification of gram positive and gram negative bacteria from different areas of Mess" under the supervision of Er. Aharnish Maurya during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date: 08/02/20201

Signature of Student

Signature of Supervisor

Er. Aharnish Maurya

Signature of Head of Department



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## DEPARTMENT OF BIOTECHNOLOGY

### CERTIFICATE

This is to certify that Ms. Poornima Mishra having Roll no. 22042805400013 have worked and successful completed on mini project entitled "Isolation and identification of gram positive and gram negative bacteria from different areas of Mess" under the supervision of Er. Aharnish Maurya during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date: 08/02/2020

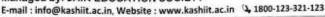
Signature of Student

Signature of Supervisor

Alcond Mount

Signature of Head of Department

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### DEPARTMENT OF BIOTECHNOLOGY

### CERTIFICATE

This is to certify that Ms. Richa Singh having Roll no. 2204280540014 have worked and successful completed on mini project entitled "Isolation and identification of gram positive and gram negative bacteria from different areas of Mess" under the supervision of Er. Aharnish Maurya during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date: 08/02/2024

Signature of Student

Signature of Supervisor

Signature of Head of Department



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### DEPARTMENT OF BIOTECHNOLOGY

### CERTIFICATE

This is to certify that Ms. Sapna Shukla having Roll no. 2204280540017 have worked and successful completed on mini project entitled "Isolation and identification of gram positive and gram negative bacteria from different areas of Mess" under the supervision of Er. Aharnish Maurya during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date: 06/02/2024

Signature of Student

Signature of Supervisor

Alcornish Mount Er. Aharnish Maurya

Signature of Head of Department



#### DEPARTMENT OF BIOTECHNOLOGY

### CERTIFICATE

This is to certify that Mr. Satya Prakash Kumar having Roll no. 2204280540018 have worked and successful completed on mini project entitled "Isolation and identification of gram positive and gram negative bacteria from different areas of Mess" under the supervision of Er. Aharnish Maurya during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date: 08/02/2029

Signature of Student

Signature of Supervisor

Er. Aharnish Maurya

Signature of Head of Department



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#### DEPARTMENT OF BIOTECHNOLOGY

### CERTIFICATE

This is to certify that Ms. Saumya Mathur having Roll no. 2204280540019 have worked and successful completed on mini project entitled "Isolation and identification of gram positive and gram negative bacteria from different areas of Mess" under the supervision of Er. Aharnish Maurya during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date: 06/02/2024

Signature of Student

Signature of Supervisor

Signature of Head of Department



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### DEPARTMENT OF BIOTECHNOLOGY

### CERTIFICATE

This is to certify that Ms. Shrawani Raj having Roll no. 2204280540020 have worked and successful completed on mini project entitled "Isolation and identification of gram positive and gram negative bacteria from different areas of Mess" under the supervision of Er. Aharnish Maurya during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date: 08/02/2014

Signature of Student Therammy Ruj

Signature of Supervisor

Signature of Head of Department



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### DEPARTMENT OF BIOTECHNOLOGY

### CERTIFICATE

This is to certify that Ms. Shikha Kaushik having Roll no. 2204280540021 have worked and successful completed on mini project entitled "Isolation and identification of gram positive and gram negative bacteria from different areas of Mess" under the supervision of Mrs. Archana Nikunj Dixit during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date: 08/02/24

Signature of Student

Signature of Supervisor

Signature of Head of Department



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### DEPARTMENT OF BIOTECHNOLOGY

### CERTIFICATE

This is to certify that Mr. Shivam Yadav having Roll no. 2204280540022 have worked and successful completed on mini project entitled "Isolation and identification of gram positive and gram negative bacteria from different areas of Mess" under the supervision of Mrs. Archana Nikunj Dixit during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date: 08/02/24

Signature of Student

Signature of Supervisor

Mrs. Archana Nikuni Dixit

Signature of Head of Department

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### CERTIFICATE

This is to certify that Ms. Shreya seth having Roll no. 2204280540024 have worked and successful completed on mini project entitled "Isolation and identification of gram positive and gram negative bacteria from different areas of Mess" under the supervision of Mrs. Archana Nikunj Dixit during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date: 08/02/2024

Shaeyer Signature of Student

Signature of Supervisor



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### DEPARTMENT OF BIOTECHNOLOGY

### CERTIFICATE

This is to certify that Ms. Supriti Dubey having Roll no. 2204280540026 have worked and successful completed on mini project entitled "Isolation and identification of gram positive and gram negative bacteria from different areas of Mess" under the supervision of Mrs. Archana Nikunj Dixit during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date: 08/02/2024

S. Dubcy Signature of Student

Signature of Supervisor

Mrs Archana Nikuni Divi

Signature of Head of Department

r. Shailendra Singh Shera



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### DEPARTMENT OF BIOTECHNOLOGY

### CERTIFICATE

This is to certify that Mr. Yash Gupta having Roll no. 2204280540027 have worked and successful completed on mini project entitled "Isolation and identification of gram positive and gram negative bacteria from different areas of Mess" under the supervision of Mrs. Archana Nikunj Dixit during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date: 08/02/2024

Signature of Student

Signature of Supervisor

Mrs. Archand Nikunj Dixit

Signature of Head of Department

Address: 23 km Milestone, Varanasi-Prayagraj Road, Mirzamurad, Varanasi-221 307 (U.P.)

3<sup>rd</sup> Year Mini Project Certificates



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Date: 04/01/2024

## DEPARTMENT OF BIOTECHNOLOGY

## CERTIFICATE

This is to certify that Ms. Akanksha Sonkar having Roll no. 2104280540001 have worked and successful completed on mini project entitled "Review of surface markers of microorganisms present in contaminated drinking water" under the supervision of Er. Aharnish Maurya during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date: 04/01/24

Signature of Student

Signature of Supervisor

Akernish Mariye. Er. Ahamish Maurya

Signature of Head of Department



Date: 04/01/2024

## DEPARTMENT OF BIOTECHNOLOGY

### CERTIFICATE

This is to certify that Ms. Ankita Raj Srivastava having Roll no. 2104280540002 has worked and successful completed on mini project entitled "Review of surface markers of microorganisms present in contaminated drinking water" under the supervision of Er. Aharnish Maurya, during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date: 04/01/2024

Signature of Student

Signature of Supervisor

Er. Ahamish Maurya

Signature of Head of Department



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Date: 04/01/2024

## DEPARTMENT OF BIOTECHNOLOGY

## CERTIFICATE

This is to certify that Mr. Dheeraj Kumar Rai having Roll no. 2104280540003 has worked and successful completed on mini project entitled "Review of surface markers of microorganisms present in contaminated drinking water" under the supervision of Er. Aharnish Maurya. during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date: 04/01/24

Signature of Student

Signature of Supervisor

Er. Aharnish Maurya

Alwaysh Marya

Signature of Head of Department

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Date: 04/01/2024

### DEPARTMENT OF BIOTECHNOLOGY

### CERTIFICATE

This is to certify that Ms. Nistisha Yadav having Roll no. 2104280540005 has worked and successful completed on mini project entitled "Review of surface markers of microorganisms present in contaminated drinking water" under the supervision of Er. Aharnish Maurya, during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date: 04/01/2014

Signature of Student

Signature of Supervisor

Er. Aharnish Maurya

Signature of Head of Department



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MAAG

Date: 04/01/2024

### DEPARTMENT OF BIOTECHNOLOGY

### CERTIFICATE

This is to certify that Mr. Om Shri Pandey having Roll no. 2104280540006 has worked and successful completed on mini project entitled "Review of surface markers of microorganisms present in contaminated drinking water" under the supervision of Er. Aharnish Maurya. during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date: 04 / 01/24

Signature of Student

Signature of Supervisor

Er. Aharnish Maurya

Signature of Head of Department



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NAAC

Date: 06/01/2024

## DEPARTMENT OF BIOTECHNOLOGY

### **CERTIFICATE**

This is to certify that Ms. Alka Jha having Roll no. 2004280540001 have worked and successful completed on mini project entitled "Turning Waste into Growth: Exploring Kitchen Extracts for Strawberry Cultivation in Hydroponic and Soil Systems" under the supervision of Er. Aharnish Maurya during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date:

Signature of Student

Ahams Mawson Signature of Supervisor

Er. Aharnish Maurya

Dr. Shailendra Singh Shera



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Date: 06/01/2024

## DEPARTMENT OF BIOTECHNOLOGY

### CERTIFICATE

This is to certify that Ms. Neha Upadhyay having Roll no. 2004280540002 has worked and successful completed on mini project entitled "Preparation of sustainable biomaterials from agricultural waste using fungus" under the supervision of Dr. Shailendra Singh Shera during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date:

Signature of Student

Signature of Supervisor

Golden Sugh Dr. Shailendra Singh Shera

Times:



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Date: 06/01/2024

### DEPARTMENT OF BIOTECHNOLOGY

### **CERTIFICATE**

This is to certify that Mr. Rahat Singh having Roll no. 2004280540003 has worked and successful completed on mini project entitled "Turning Waste into Growth: Exploring Kitchen Extracts for Strawberry Cultivation in Hydroponic and Soil Systems" under the supervision of Er. Aharnish Maurya. during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date:

Signature of Student

Signature of Supervisor

Ahernish Mauyer.

Er. Aharnish Maurya

Signature of Head of Department



Date: 06/01/2024

### DEPARTMENT OF BIOTECHNOLOGY

### **CERTIFICATE**

This is to certify that Mr. Sachin Kumar Ranjan having Roll no. 2004280540004 has worked and successful completed on mini project entitled "Turning Waste into Growth: Exploring Kitchen Extracts for Strawberry Cultivation in Hydroponic and Soil Systems" under the supervision of Er. Aharnish Maurya during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date:

Signature of Student

Signature of Supervisor

Alcarmish Mounga Er. Aharnish Maurya

Signature of Head of Department



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A

Date: 06/01/2024

### DEPARTMENT OF BIOTECHNOLOGY

### **CERTIFICATE**

This is to certify that Ms. Smriti Singh having Roll no. 2004280540005 has worked and successful completed on mini project entitled "Homologhy Modelling For Anti-Cancer Drug Against Leprosy Causing Protein SHMT" under the supervision of Er. Aharnish Maurya. during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date:

Smy ch

Signature of Supervisor

Thermish Maurye.

Er. Aharnish Maurya

Signature of Head of Department

Sollender Sigh 06/01/2024 Dr. Shaitendra Singh Shera



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Date: 06/01/2024

### DEPARTMENT OF BIOTECHNOLOGY

### **CERTIFICATE**

This is to certify that Ms. Sneha Mishra having Roll no. 2004280540006 has worked and successful completed on mini project entitled "Homologhy Modelling For Anti-Cancer Drug Against Leprosy Causing Protein SHMT" under the supervision of Er. Aharnish Maurya. during the academic year 2023-2024, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Biotechnology of Dr. A.P.J. Abdul Kalam Technical University, Lucknow. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree.

Date:

Signature of Student

Signature of Supervisor Alternath Maurye.

Er. Aharnish Maurya

Signature of Head of Department

Trasmano of



Address: N 3/65 C Ganeshdham Colony, Newada, Sunderpur, District- Varanasi-221005

Mob: 7052295057, 9450846045 ★vitaegen@gmail.com ★Veb: www.vitaegenbiotech.com



Dated: 10-08-2023

### CERTIFICATE

This is to certify that Ms Alka Kumari Jha, Bachelor of Technology (Biotechnology) student, Kashi Institute of Technology, Varanasi has performed her Summer Training-cum-Internship on topic entitled "Preparation of chitooligosaccharides and their antimicrobial effect against UTI causing bacteria" in this Institute for the period of four weeks from 11th July, 2023 to 10th August, 2023. The data shall not be published anywhere in any form without the permission of Director, VitaeGen Biotech Educational and Research Institute, Varanasi.

We wish her all the best for her future endeavours.

Dr. Bharti Singh

Ex Director

Dr. Deepmala Katiyar Research Director



**Educational and Research Institute** 

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Dated: 10-08-2023

### **CERTIFICATE**

This is to certify that Km Neha, Bachelor of Technology (Biotechnology) student, Kashi Institute of Technology, Mirzamurad, Varanasi has performed her Summer Training-cum-Internship on topic entitled "Bio-inoculant preparation using isolated plant growth promoting rhizobacteria for biofertilizer" in this Institute for the period of four weeks from 11th July, 2023 to 10th August, 2023. The data shall not be published anywhere in any form without the permission of Director, VitaeGen Biotech Educational and Research Institute, Varanasi.

We wish her all the best for her future endeavours.

Dr. Bharti Singh

Ex Director

Dr. Deepmala Katiyar Research Director

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Enroll. No-CBK/A668/23/06

Date-05-08-2023

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. SACHIN KUMAR RANJAN S/O Mr. BRIJESH KUMAR GAUTAM doing B.tech in Biotechnology from KASHI INSTITUTE OF TECHNOLOGY, VARANASI has undergone training on "HANDS-ON INDUSTRIAL TRAINING WITH STATE OF ART OF LECTURES ON MICOBIOLOGY TECHNIQUES". He has done his training work for duration of thirty days starting from 05.07.2023 to 04.08.2023.

During training we found, He was very sincere, devoted and diligent towards training. We wish him all the success for future career.



Mr. Gyaneshwar Patel (Director)

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