

Date-10/07/2021




To,
The Principal,
Nutan Mahavidyalaya, Selu
Dist. Parbhani.


Subject: Organization of Certificate Course in applied microbiology

Respected Sir,

As per the subject highlighted above I, on the behalf of Department of Microbiology, hereby, feels glad to convey you that we are planning to organize six month Certificate Course in microbiology for all the interested students of our institution. The course will run from 20/07/2021 to 20/01/2022.

I request you to permit us for the successful organization of this course.


I/C Principal
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Sailu, Dist. Parbhani


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Yours Truly


Mr. Amit Kulkarni

NUTAN MAHAVIDYALAYA SAILU, DIST. PARBHANI

Certificate Course in Microbiology

Academic Year-2021-2022

NOTICE

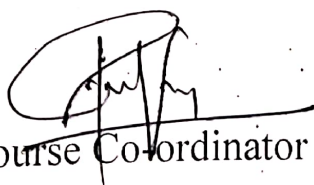


All students of B.Sc. First Year, Second Year and Third Year life science are hereby informed that an certificate course on applied Microbiology for B.Sc. FY, SY and TY is scheduled during 20/ 07/2021 to 20/07/2022 with the objective to generate local skill based employment opportunities in microbiology.


The course mentioned above is scheduled as follows:

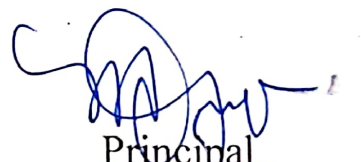
Date	Time	Course	Faculty	Room No
20/ 07/2021 to 20/01/2022	8.45 to 9.35 AM	Certification course in Microbiology	Mr.Amit D Kulkarni Mrs.Patait A.P	Micro lab

Students interested in attending the course should register their name to Mr. Amit D Kulkarni before 15/07/2021


Course Coordinator

Mr.Amit Kulkarni


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NUTAN MAHAVIDYALAYA SAILU, DIST. PARBHANI

Department of Microbiology


Academic Year-2021-2022

INAUGURAL FUNCTION OF CERTIFICATE COURSE IN APPLIED MICROBIOLOGY

On 19/ 07/2021



- Introduction and Welcome- Dr.P.R Kanthale
(In charge Head ,Department of Microbiology)
- Introduction of the guest- Mr.Amit D Kulkarni
- Chief Guest- Dr. S.M Loya
(President, Nutan vidyalaya shikshan sanstha)
- President of Programme—Dr. Mahendra Shinde
(In-Principal ,Nutan Mahavidyalaya sailu.)
- Anchoring- Miss. Vaishnavi V Akat
- Vote of Thanks- Mrs.Patait A.P
- Venue- Department of Microbiology
- Time- 11. 00am


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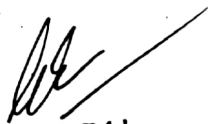


Certificate Course in Applied Microbiology

Department of Microbiology

Course Contents, Eligibility, Examination Pattern

Session: 2021-2022


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Certificate Course in Applied Microbiology

Department of Microbiology

Course Contents, Eligibility, Examination Pattern

Session: 2021-2022


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Certificate course in applied Microbiology



Introduction

- The aim of the certification course in applied microbiology is to provide participants with comprehensive knowledge and practical skills in the field of microbiology, empowering them to understand the fundamental principles, methodologies, and applications of microbiological sciences.
- Through a combination of theoretical instruction, laboratory exercises, and practical demonstrations, the course aims to equip participants with the necessary expertise to analyze, interpret, and apply microbiological concepts in various professional settings.
- By fostering a deep understanding of microbial diversity, physiology, and interactions, the course seeks to prepare individuals for careers in research, industry, healthcare, and academia, thereby contributing to the advancement of microbiological knowledge and its practical applications for the betterment of society."

Aims:

- To provide participants with specialized knowledge and practical skills in the field of applied microbiology, focusing on its relevance and applications in various industries and sectors.
- To equip participants with a comprehensive understanding of the principles, techniques, and methodologies used in applied microbiology, enabling them to address real-world challenges and contribute to innovative solutions.
- To foster interdisciplinary collaboration and critical thinking skills among participants, encouraging them to integrate microbiological concepts with other relevant disciplines for holistic problem-solving.
- To empower participants with the ability to critically evaluate scientific literature, experimental data, and technological advancements in applied microbiology, enabling them to stay abreast of current trends and developments in the field.
- To cultivate ethical and responsible practices in applied microbiology among participants, emphasizing the importance of safety, sustainability, and societal impact in their professional endeavors.


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Objectives:

- To provide participants with a comprehensive overview of the diverse applications of microbiology in industries such as food and beverage, pharmaceuticals, agriculture, environmental management, and biotechnology.
- To impart practical skills in microbial isolation, cultivation, identification, and characterization techniques relevant to applied microbiology, including molecular biology, biochemical assays, and microbial fermentation.
- To familiarize participants with the regulatory requirements, quality assurance protocols, and industry standards governing microbial products and processes, ensuring compliance and adherence to best practices.
- To engage participants in hands-on laboratory exercises, case studies, and industry-relevant projects that simulate real-world scenarios and enhance their problem-solving abilities in applied microbiology.
- To facilitate interactions with industry experts, researchers, and practitioners through seminars, workshops, and networking opportunities, providing participants with insights into career pathways and emerging trends in applied microbiology.

After completion of the lecture component of the course, successful students will be able to:

- Summarize and explain the roles of microbes in pharmaceutical, industrial and food processes
- Relate their microbiological knowledge for identification and diagnosis of human as well as plant pathogens
- Understand the roles of microorganisms in cleaning and fortification of environment
- Know the up-to-date techniques of genetic manipulation of microorganisms

After completion of Laboratory course, students will be able to:

- Demonstrate aseptic technique to handle cultures, microbiological media, and environmental samples safely and effectively
- Show the ability to efficiently and independently use a microscope to observe microorganisms and be able to describe observed characteristics

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- Select appropriate traditional and molecular biological methods to study and characterize microbial isolates
- Devise experiments according to the scientific method and collect, interpret, and present scientific data in microbiology and related fields.

Learning Outcome

- Participants will demonstrate specialized knowledge in applied microbiology by explaining the relevance and applications of microbiological principles in various industries and sectors.
- Participants will apply a comprehensive understanding of microbiological principles, techniques, and methodologies to address real-world challenges and propose innovative solutions.
- Participants will collaborate effectively across disciplines, integrating microbiological concepts with other relevant fields to develop holistic approaches to problem-solving.
- Participants will critically evaluate scientific literature, experimental data, and technological advancements in applied microbiology, demonstrating the ability to analyze and interpret information to stay abreast of current trends and developments.
- Participants will demonstrate ethical and responsible practices in applied microbiology, prioritizing safety, sustainability, and societal impact in their professional endeavors.

Participants will have gained a comprehensive overview of the diverse applications of microbiology in industries such as food and beverage, pharmaceuticals, agriculture, environmental management, and biotechnology.

Participants will possess practical skills in microbial isolation, cultivation,


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identification, and characterization techniques relevant to applied microbiology, including molecular biology, biochemical assays, and microbial fermentation.



- Participants will be familiar with regulatory requirements, quality assurance protocols, and industry standards governing microbial products and processes, ensuring compliance and adherence to best practices.
- Participants will demonstrate problem-solving abilities in applied microbiology through hands-on laboratory exercises, case studies, and industry-relevant projects that simulate real-world scenarios.
- Participants will engage with industry experts, researchers, and practitioners through seminars, workshops, and networking opportunities, gaining insights into career pathways and emerging trends in applied microbiology.

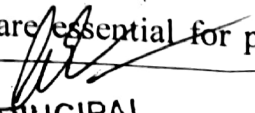
Course Methodology:

Course methodology consist of Lectures, Demonstration, Hands-on laboratory practical and study visit, Preparation of dissertation, and Final examination –consist of theory and practical assessment

Teaching Methodologies

- **Lectures:** Traditional classroom lectures can be used to deliver theoretical concepts, principles, and foundational knowledge in applied microbiology. These lectures can be supplemented with multimedia presentations, demonstrations, and case studies to enhance engagement and understanding.

Laboratory Sessions: Hands-on laboratory exercises are essential for practical skill

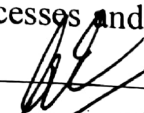

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development in microbiology. Participants can work with microbial cultures, perform isolation, cultivation, identification, and characterization techniques under the guidance of instructors. These sessions allow participants to apply theoretical knowledge in a practical setting and gain proficiency in essential laboratory techniques.

- **Workshops:** Workshops provide opportunities for interactive learning and skill-building. They can focus on specific topics or techniques within applied microbiology, such as molecular biology, biochemical assays, or microbial fermentation. Workshops may include demonstrations, group activities, and discussions to reinforce learning and foster collaboration among participants.
- **Case Studies:** Real-world case studies can be used to illustrate the application of microbiological concepts and principles in various industries and sectors. Participants can analyze and solve problems based on actual scenarios, promoting critical thinking and problem-solving skills. Case studies can also facilitate discussions on ethical considerations, regulatory compliance, and societal impact.
- **Seminars and Guest Lectures:** Inviting industry experts, researchers, and practitioners to deliver seminars or guest lectures provides participants with insights into current trends, advancements, and career opportunities in applied microbiology. These sessions offer networking opportunities and expose participants to diverse perspectives and experiences within the field.


Field Visits: Field visits to relevant industries, research laboratories, or environmental sites allow participants to observe microbiological processes and applications in real-


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world settings. These visits provide practical exposure, deepen understanding, and enhance the relevance of theoretical concepts learned in the classroom.



- **Group Projects:** Collaborative group projects can be assigned to encourage interdisciplinary collaboration and problem-solving. Participants can work in teams to tackle complex challenges or research questions related to applied microbiology, applying their knowledge and skills to develop innovative solutions or recommendations.
- **Online Resources:** Supplemental online resources, such as video tutorials, interactive modules, and scholarly articles, can be provided to support self-directed learning and further exploration of specific topics in applied microbiology. Online discussion forums or virtual classrooms can also facilitate ongoing communication and knowledge sharing among participants and instructors.


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Syllabus

CMB 01 Paper I



Unit 1: Orientation to Applied Microbiology:


- The basic understanding of about various concepts such as understanding the contamination and contamination control, Role of a microbiologist and microbiological methods and Sampling- Methods & Practices

Unit 2: Pharmaceutical Microbiology:

- The microbes are responsible for the production of antibiotics, enzymes, vitamins, vaccines, and other pharmaceutical products. Quality Systems (ICH Q10), Quality Risk Management System (ICH Q9), Overview on Good Manufacturing Practices (GMP), Personal & Surface Monitoring, Microbiology Examination of Air, Pharmaceutical water and its generation, Water Testing for Bioburden & Specific Microorganisms, Sterilization Methods for Pharmaceutical products, Endotoxin – origin and impact, Endotoxin Testing

Unit 3: Microbiological Quality of food & leverage:

- Overview of food spoilage contamination and food borne diseases, {principles of Food Preservation, Microbiological Analysis of food, Principles and Applications of I.I.X.U.P in Food Industry, FSS.FI I & DIS standards and regulations, microbiological Analysis of Carbonated and Alcoholic Beverages


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Unit 1: Biofertilizer and Biopesticide Production:

- Introduction to Biofertilizers. Types of biofertilizers, Advantages of biofertilizers over chemical fertilizers. Introduction to Biopesticides, Types of biopesticides and their function, Mass scale production, scale up end formulation, Preparation of carrier based biofertilizers, Field application techniques I IPLC

Unit 2: Industrial Fermentation Technology:

- The exploitation of microbes for use in industrial processes, Design of Fermenter & types, Media for Industrial Fermentation, Aeration & Agitation, Inoculum Development, Instrumentation & Process Control, Specific Fermentation: Organic Acid, Wine, Ethanol, α -amylase, Polysaccharide Production, Downstream Processes, Fermentation Economics


Unit 3: Environmental microbiology:

- Study of function and diversity of microbes in their natural environments, Microbial ecology, microbially mediated nutrient cycling, Geomicrobiology, Bioremediation: use of micro-organisms to clean air, water and soils, wastewater treatment, interactions between microorganisms and plants and plant pathogens.

CMBL 01 Lab course:

List of Experiments:

- Media Preparation, Sterilization, Plating (pour)
- Specific growth characters of Microorganisms
- Enumeration Methods — Serial Dilution, Plating (pour), Membrane Filtration, Plating
- Air Surface Monitoring - Passive and Active Methods
- Culture Purification (streak), Preservation (slant) and Sterility Testing (open funnel method)
- Microbial Identification — Staining, Biochemical tests and molecular characterization
- Specific Microbial QC Tests: Microbial Limit Test (MLT), Sterility Test, Bacterial Endotoxin Test, Phenol Coefficient Test, Most Probable Number
- Sampling methods in Microbiology, sample preservation, data presentation and interpretation


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CERTIFICATE OF COMPLETION




This is to be certified that


.....
Ms. Dhabe. A.B......


has successfully completed certificate course entitled as

Applied Microbiology..... conducted by Department

of **Microbiology**..... from **24/7/24** to **24/9/24**..... With O/A/B/C/D grade.


Coordinating Officer
Nutan Mahavidyalaya, Selu (MS)


IQAC Director
IQAC
Nutan Mahavidyalaya, Selu


Principal
Nutan Mahavidyalaya
Selu, Dist. Parbhani


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SELU, Dist. Parbhani

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This is to be certified that

.....**K. Diwan. V. B.**.....

has successfully completed certificate course entitled as
Applied Microbiology..... conducted by Department
of **Microbiology**..... from **24/7/21** to **24/11/21** with O/A/B/C/D grade.

Co-ordinating Officer
Nutan Mahavidyalaya Selu (MS)

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I/C Principal
Nutan Mahavidyalaya
Sailu, Dist. Parbhani.

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SELU, Dist. Parbhani

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CERTIFICATE OF COMPLETION




This is to be certified that


.....
K. Dombé P. M......

has successfully completed certificate course entitled as
Applied Microbiology..... conducted by Department
of **Microbiology**..... from **24/12/2011** to **20/1/22** with O/A/B/C/D grade.


Coordinator certificate
course
Co-Ordinator
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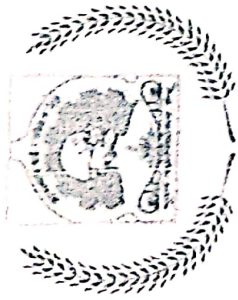

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P.M. Principal
Nutan Mahavidyalaya
Sailu, Dist. Parbhani

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CERTIFICATE OF COMPLETION



This is to be certified that

.....
Ku. Gaikwad A.R.
.....

has successfully completed certificate course entitled as
Applied microbiology.....conducted by Department
of **Microbiology**.....from **2011/12** to **2011/12** with O/A/B/C/D grade.



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course

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IQAFactor
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This is to be certified that

.....
Ko. Haskal K.V.
.....

has successfully completed certificate course entitled as
Applic. of Microbiology..... conducted by Department
of **N.A. (Microbiology)**..... from **2011/12** to **2012/13** with O/A/B/C/D grade.

Co-ordinator certificate
course
Co-Ordinator
Nutan Mahavidyalaya, Selu (MS)

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IQAC
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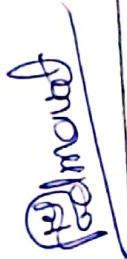


This is to be certified that


.....
K. Harikrishna R. A......

has successfully completed certificate course entitled as
Applied Microbiology..... conducted by Department
of **M. I. (Parbhani)**..... from **20/11/22** to **24/11/22** with O/A/B/C/D grade.


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Coordinator
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Selu


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Principal
Nutan Mahavidyalaya
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This is to be certified that

.....**Ms. Jadhav B. A.**.....

has successfully completed certificate course entitled as
Applied Microbiology.....conducted by Department
of **Microbiology**.....from **12/12/2017** to **27/12/2017** with **D/A/B/C/D** grade.

Padmanab

IQAC
Director
IQAC
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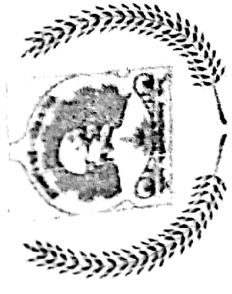
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Principal
IIC Principal
Nutan Mahavidyalaya
Sallu, Dist. Parbhani

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This is to be certified that

.....
Mr. Rajstheethi M.M.....

has successfully completed certificate course entitled as

Applied Microbiology..... conducted by Department
of **Microbiology** from **20/7/21** to **20/1/22** with O/A/B/C/D grade.

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This is to be certified that


.....
Mr. Kharot M.P.....

has successfully completed certificate course entitled as
Applied Microbiology..... conducted by Department
of **Microbiology**..... from **20/7/21** to **20/7/22** with O/A/B/C/D grade.


Coordinator for certificate
co-ordinator
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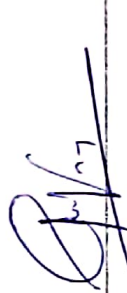



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.....**K. V. Kulkarni, S. B.**.....

has successfully completed certificate course entitled as
Applied Microbiology..... conducted by Department
of.....**Microbiology**..... from **10/12/2017** to **20/01/2018** With O/A/B/C/D grade.


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This is to be certified that


.....**Kv. Kurnadkas S.A.**.....

has successfully completed certificate course entitled as
Applied Microbiology conducted by Department
of **Microbiology** from **24/12/20** to **20/1/22** with **O/A/B/C/D** grade.


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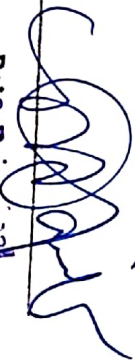
.....
K. Mahajan P. K......

has successfully completed certificate course entitled as
Applied Microbiology..... conducted by Department
of **Microbiology**..... from **20/7/21** to **20/7/22** with O/A/B/C/D grade.


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course
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KAC
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Headmaster
Nutan Mahavidyalaya
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CERTIFICATE OF COMPLETION


This is to be certified that


.....**Ms. Mogol R.S**.....

has successfully completed certificate course entitled as
Applied Microbiology conducted by Department
of **Microbiology** from **24/11/2012** with O/A/B/C/D grade.


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Nutan Mahavidyalaya, Selu


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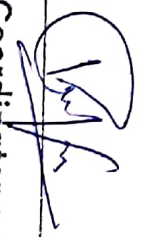



This is to be certified that


.....
Mrs. Mausale S. P
.....

has successfully completed certificate course entitled as **Applied Microbiology** conducted by Department of Microbiology from 2019/21 to 2021/22 with O/A/B/C/D grade.


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IQAFactor
IQAC
Nutan Mahavidyalaya, Selu


Proprietor
Nutan Mahavidyalaya
Sailu, Dist. Parbhani



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This is to be certified that

.....
Kv. Parthod S. V
.....

has successfully completed certificate course entitled as
Approved Microbiology..... conducted by Department
of **Microbiology**..... from **20/2/21** to **20/12/21** with O/A/B/C/D grade.


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I/C Principal
Nutan Mahavidyalaya
Sallu, Dist. Parbhani



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This is to be certified that

Kv. Rodge J.R

has successfully completed certificate course entitled as
Applied Microbiology conducted by Department
of **Microbiology** from **20/3/14** to **20/3/2014** with O/A/B/C/D grade.

[Signature]
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[Signature]
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**IQAC
Director**

[Signature]
Nutan Mahavidyalaya, Selu

Principal

[Signature]
Nutan Mahavidyalaya
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This is to be certified that:


.....
R. V. I Sable P. S.
.....


has successfully completed certificate course entitled as
Applied Microbiology conducted by Department
of **Microbiology** from **24/7/21** to **20/1/22** with O/A/B/C/D grade.


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Selu, Dist. Parbhani



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CERTIFICATE
OF COMPLETION

This is to be certified that

.....**Ms. Sanku A J**.....

has successfully completed certificate course entitled as
Applied Microbiology conducted by Department
of **Microbiology** from **20/7/21** to **20/11/22** with **D/A/B/C/D** grade.

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IQAC

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This is to be certified that

.....
Ms. SanoK A. M
.....


has successfully completed certificate course entitled as
Approved Microbiology..... conducted by Department
of **Microbiology**..... from **24/11** to **20/12/20** with O/A/B/C/D grade.


PRINCIPAL
Nutan Mahavidyalaya
SELU, Dist. Parbhani


Co-Ordinator
course

Co-Ordinator
Nutan Mahavidyalaya, Selu (MS)


IOAC Director
IOAC
Nutan Mahavidyalaya, Selu


IIC Principal
Nutan Mahavidyalaya,
Sailu, Dist. Parbhani



NUTAN MAHAVIDYALAYA SELU

CERTIFICATE OF COMPLETION

This is to be certified that

.....**Ms. Shanane S.S.**.....

has successfully completed certificate course entitled as **Applied Microbiology** conducted by Department of **Microbiology** from **2/7/22** to **20/7/22** with O/A/B/C/D grade.


PRINCIPAL
Nutan Mahavidyalaya
SELU, Dist. Parbhani

Coordinating certificate course



Coordinator
Nutan Mahavidyalaya, Selu (MS)

IO Director IOAC



Nutan Mahavidyalaya, Selu

Principal



Nutan Mahavidyalaya
Sailu, Dist. Parbhani



NUTAN MAHAVIDYALAYA SELU

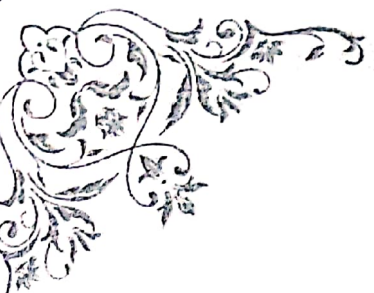
CERTIFICATE OF COMPLETION

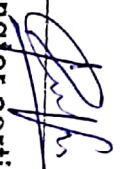
This is to be certified that


.....
Ky. Shinde D. B.
.....


has successfully completed certificate course entitled as
Applied Microbiology conducted by Department
of **Microbiology** from **24/12/2012** to **20/1/2013** with O/A/B/C/D grade.


PRINCIPAL
Nutan Mahavidyalaya
SELU, Dist. Parbhani




Co-Ordinator
Nutn Mahavidyalaya, Selu (MS)


Director
Nutan Mahavidyalaya, Selu


Principal
Nutan Mahavidyalaya
Sailu, Dist. Parbhani





NUTAN MAHAVIDYALAYA SELU
CERTIFICATE
OF COMPLETION

This is to be certified that

.....
Ko. Tambe, T. R.
.....

has successfully completed certificate course entitled as
Applied Microbiology conducted by Department
of **Microbiology** from **20/11/21** to **29/11/22** with O/A/B/C/D grade.


PRINCIPAL
Nutan Mahavidyalaya
SELU, Dist. Parbhani

Coordinator certificate

course
Co-Ordinator

Nutan Mahavidyalaya, Selu (MS)

IQAC

Director

IQAC

Nutan Mahavidyalaya, Selu


Co-Ordinator

Nutan Mahavidyalaya
Sailu, Dist. Parbhani



NUTAN MAHAVIDYALAYA SELU CERTIFICATE OF COMPLETION

This is to be certified that

.....
Ko. Rathe S.P
.....

has successfully completed certificate course entitled as
Applied Microbiology..... conducted by Department
of **Microbiology**..... from **27/7/22** to **29/11/22** with O/A/B/C/D grade.



PRINCIPAL
Nutan Mahavidyalaya
SELU, Dist. Parbhani


Coordinator certificate
course

Nutan Mahavidyalaya, Selu (MS)
Co-Ordinator


IOAC
Director

Nutan Mahavidyalaya, Selu
IOAC


Principal
Nutan Mahavidyalaya
Sailu, Dist. Parbhani

Nutan Mahavidyalaya
Sailu, Dist. Parbhani



NUTAN MAHAVIDYALAYA SELU
CERTIFICATE
OF COMPLETION

This is to be certified that

.....
Ko:Vaidya: A.P
.....

has successfully completed certificate course entitled as
Applied Microbiology conducted by Department
of **Microbiology** from **20/12/2011** to **20/12/2012** with O/A/B/C/D grade.


PRINCIPAL
Nutan Mahavidyalaya
SELU, Dist. Parbhani



Coordinator certificate
course

Co-Ordinator
Nutan Mahavidyalaya, Selu (MS)



IQAC
Director

IQAC
Nutan Mahavidyalaya, Selu



Principal

Nutan Mahavidyalaya
Sailu, Dist. Parbhani



NUTAN MAHAVIDYALAYA SELU

CERTIFICATE OF COMPLETION

This is to be certified that

.....
Mrs. Yyavahane K. A
.....

has successfully completed certificate course entitled as
Applied Microbiology conducted by Department
of **Microbiology** from **29/8/11** to **20/11/12** with **O/A/B/C/D** grade.

PRINCIPAL
Nutan Mahavidyalaya
SELU, Dist. Parbhara..

Coordinator certificate
course
Co-Ordinator
Nutan Mahavidyalaya, Selu (MS)

**IQAC
Director**
IQAC
Nutan Mahavidyalaya, Selu

Headmaster
Nutan Mahavidyalaya
Sailu, Dist. Parbhari





NUTAN MAHAVIDYALAYA SELU

CERTIFICATE OF COMPLETION

This is to be certified that

.....
Ms. Watane D.R.
.....

has successfully completed certificate course entitled as
Applied Microbiology conducted by Department
of **Microbiology** from **20/1/21** to **20/1/22** with **O/A/B/C/D** grade.


PRINCIPAL
Nutan Mahavidyalaya
SELU, Dist. Parbhani

Coordinating certificate
course


Co-Ordinator
Nutan Mahavidyalaya, Selu (MS)


IQAC
Director
IQAC
Nutan Mahavidyalaya, Selu


Principal
Nutan Mahavidyalaya
Sailu, Dist. Parbhani

NUTAN MAHAVIDYALAYA SELU

CERTIFICATE
OF COMPLETION



This is to be certified that



has successfully completed certificate course entitled as
Applied Microbiology conducted by Department
of **Microbiology** from **24/1/12** to **29/1/12** With O/A/B/C/D grade.

PRINCIPAL
Nutan Mahavidyalaya
SELU, Dist. Parbhani

Coordinating certificate
Key Officer
Nutan Mahavidyalaya, Selu (MS)

IOAC
Director
IOAC
Nutan Mahavidyalaya, Selu

Principals
Nutan Mahavidyalaya
Sailu, Dist. Parbhani



NUTAN MAHAVIDYALAYA SELU


CERTIFICATE OF COMPLETION





This is to be certified that

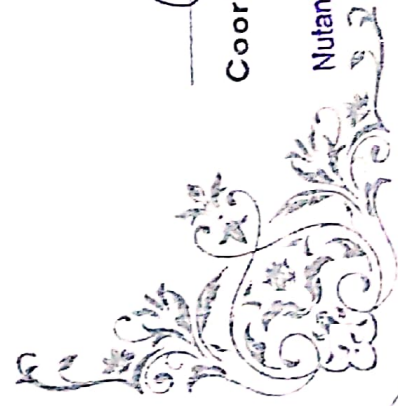
has successfully completed certificate course entitled as
Applied Microbiology..... conducted by Department
of **Micobiology**..... from **24/7/2012** to **20/12/2012** with O/A/B/C/D grade.


PRINCIPAL
Nutan Mahavidyalaya
SELU, Dist. Parbhani


Coordinating certificate
Examinator
Nutan Mahavidyalaya, Selu (MS)


IQAC Director
Nutan Mahavidyalaya, Selu


Head of Department
Nutan Mahavidyalaya
Sailu, Dist. Parbhani



NUTAN MAHAVIDYALAYA SELU

CERTIFICATE OF COMPLETION



This is to be certified that



has successfully completed certificate course entitled as
Applied Microbiology..... conducted by Department
of **Microbiology**..... from **2012** to **2017** with **O/A/B/C/D** grade.


Co-ordinator
Nutan Mahavidyalaya, Selu (MS)

IGAC
Director
IGAC
Nutan Mahavidyalaya, Selu


Principal
Nutan Mahavidyalaya
Sailu, Dist. Parbhani


Principal
Nutan Mahavidyalaya
SELU, Dist. Parbhani

NUTAN MAHAVIDYALAYA SELU

CERTIFICATE OF COMPLETION



This is to be certified that

.....
Mr. Adhale K. R.
.....

has successfully completed certificate course entitled as

.....
Mr. Adhale K. R. conducted by Department
Advised in 10/10/2021 from **22/7/21** to **20/1/22** with O/A/B/C/D grade.
of **M. G. B. S. I. Y.**



Coordinator certificate
course

Co-Ordinator
Nutan Mahavidyalaya, Selu (MS)



IQAC
Director
IQAC

Nutan Mahavidyalaya, Selu



Principal
Nutan Mahavidyalaya
Sailu, Dist. Parbhani

NUTAN MAHAVIDYALAYA SELU

CERTIFICATE OF COMPLETION



This is to be certified that

Mr. Chikate M. G.

has successfully completed certificate course entitled as
Applied Microbiology.....conducted by Department
of *Microbiology*.....from *20/07/22 to 01/08/22* with O/A/B/C/D grade.

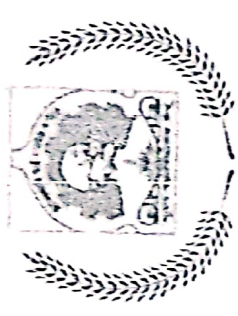
Sulmi
Coordinator certificate
course
Nutan Mahavidyalaya, Selu(MS)

Padmavathi
Director
ICASAC
Nutan Mahavidyalaya, Selu

PRINCIPAL
Nutan Mahavidyalaya
SELU, Dist. Parbhani

[Signature]
Principal
I/C Principal
Nutan Mahavidyalaya
Saitu, Dist. Parbhani

NUTAN MAHAVIDYALAYA SELU CERTIFICATE OF COMPLETION





This is to be certified that


.....
Kv. Deshmukh M.R.
.....

has successfully completed certificate course entitled as
Kv. Deshmukh M.R. conducted by Department
of **Applied Maths** from **27/2/20** to **20/1/22** with O/A/B/C/D grade.

PRINCIPAL
Nutan Mahavidyalaya
SELU, Dist. Parbhani


Coordinator certificate
Certifier
Nutan Mahavidyalaya, Selu (MS)


ICAC Director
ICAC
Nutan Mahavidyalaya, Selu


Principal
Nutan Mahavidyalaya
Selu, Dist. Parbhani