Mahatma Education Society's
Pillai College of Arts, Commerce & Science
(Autonomous)
Affiliated to University of Mumbai
NAAC Accredited 'A' grade (3 cycles)
Best College Award by University of Mumbai
ISO 9001:2015 Certified

6th March, 2026

To,
The Officer In-charge
Summer Training Programme 2026,
ICMR-NIRRH,
Parel, Mumbai.

Subject: Recommendation letter for Summer Training Programme 2026 at NIRRH

Dear Sir/Madam,

I am pleased to recommend our M.Sc. Biotechnology student for the Summer Training Programme at the National Institute for Research in Reproductive and Child Health (NIRRH).

The student will be completing M.Sc. Biotechnology Semester II in April 2026 and is keen to undergo a two-month training programme at your esteemed institute from 25th April 2026 to 24th June 2026.

Student Name	Roll Number	Admission Number
Ms. Rutuja Rajendra Pawar	3316	2025PC1367

She is a sincere and hardworking student with a strong interest in scientific research. I am confident that exposure to the research environment at your institute will greatly enhance her knowledge, technical skills, and overall academic development.

This training opportunity will be highly beneficial for her future career, and I sincerely request you to kindly consider her application. Her resume is attached herewith for your kind perusal.

Thank you for your time and consideration.

Regards,

PRINCIPAL
Principal
Mahatma Education Society's
Pillai College of Arts, Commerce & Science (Autonomous)
Affiliated to University of Mumbai
Dr. K. M. Vasudevan Pillai Campus,
Sector-16, New Panvel - 410 206

Pillai College of Arts, Commerce & Science (Autonomous)
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New Panvel

Personal Data

Name: Rutuja Rajendra Pawar
Address: Building no 3 Room no 32 B.M.C. staff quarters Mahakali Caves Road Andheri East Pin 4000093 Mumbai Maharashtra
E-Mail: **rutujapawar939@gmail.com**
Mobile: +919867936675

Birth Place: Mumbai Maharashtra
Birth Date : 13/11/2004
Marital Status: Single
Nationality: Indian

Education

Master of Science (M.Sc.) in Biotechnology (Currently Pursuing)
SGPA (Sem 1): 9.09

07/2022– 04/2025

Bachelor of science in Biotechnology
Bhavan's College Mumbai, India

- Pharmacology & Fundamentals of Drug Designing
- Biotechnology, Immunology
- Molecular Biology, Medical Microbiology

CGPA: 8.33/10

06/2020 – 02/2022

Higher Secondary Education (12th)
Bhavans college Mumbai, India

- **53.50%**

06/2010 – 03/2020

Secondary School Education (10th)
Sri SatyaSai vidyamandir mumbai, India

- **78%**

Internship

Done internship in Mahananda dairy and Pathology Department
Intern

Mahananda Dairy – Quality Control & Dairy Operations [28/10/2024 - 27/11/2024]

- Gained hands-on exposure to milk quality control procedures including organoleptic, chemical (acidity, fat content), and microbiological tests.
- Observed sample collection techniques and the hygienic practices followed during milk processing and packaging.
- Learned the basics of Good Manufacturing Practices (GMP) and standard operating procedures (SOPs) in the dairy industry.

Pathology Department [17/4/2024 - 17/5/2024]

- In the pathology lab, I helped with sample handling and basic test procedures like blood and urine testing.

Saw how machines and manual methods are used for testing (like slide making,Observed use of automated biochemistry analyzers for
- tests like sugar, urea, and liver and using centrifuge).

I gained hands-on experience in conducting electrolyte analysis(Na^+, K^+, Cl^-)using automated analyzers.

- **GENETIKOS HEALTHCARE LLP [07/10/2025 - 06/11/2025]**

  - Microbial staining and microscopic examination
  - Culture Inoculation under aseptic conditions
  - Biochemical Characterization in that Specific biochemical Test such as catalase,oxidase,and sugar fermentation. tests are performed and results are observed through color Changed.
  - Viral RNA And Bacterial DNA Extraction Conventional PCR RT PCR Observed.
  - Agarose Gel Electrophoresis and Sample Loading

Project

01/2025 – 03/2025

"ANTIOXIDANT STUDY AND PHYTOCHEMICAL ANALYSIS OF WITHANIA SOMNIFERA AND HIBISCUS ROSA-SINENSIS"

Objective: To study and compare the antioxidant activity and phytochemical compounds present in Ashwagandha and Hibiscus extracts.

Sample Preparation & Extraction:

Collected fresh plant samples, dried and powdered them using Aqueous extract by Maceration Method.

Phytochemical Analysis:

Performed qualitative tests to detect alkaloids, flavonoids, tannins, and phenols, etc in both plant extracts.

Antioxidant Testing:

Conducted the DPPH radical scavenging assay to evaluate antioxidant activity by measuring color change.

Instrument Used:

Used a colorimeter to measure absorbance at 520 nm and assess antioxidant strength.