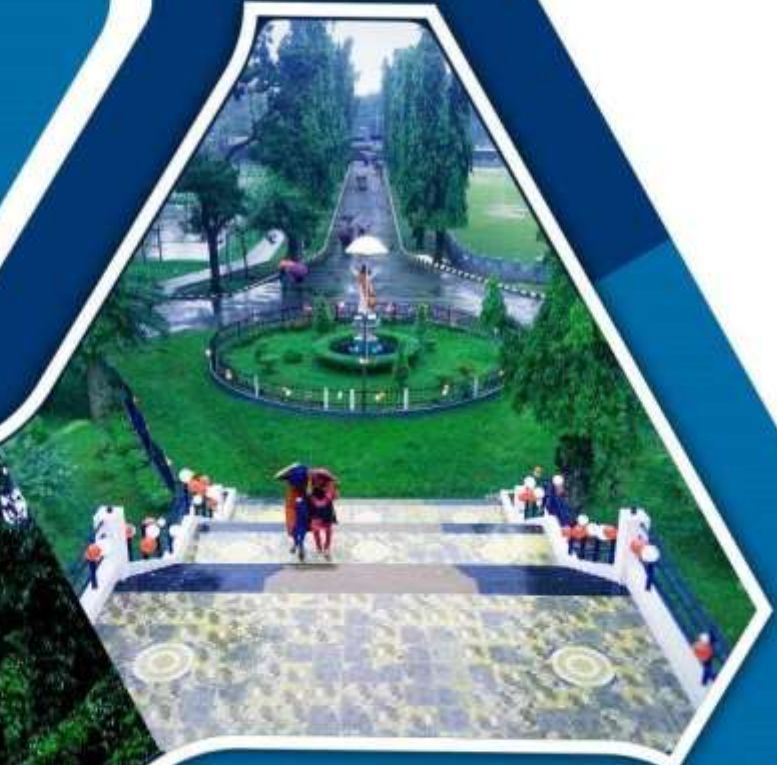


# FATIMA MATA NATIONAL COLLEGE

AUTONOMOUS

(Reaccredited with 'A' Grade by NAAC)

Affiliated to University of Kerala



2.2.1

Professors of future

**IQAC** INTERNAL QUALITY ASSURANCE CELL

## **Professors of the Future Programme**

The "Professors of the Future" programme is a pioneering initiative aimed at creating valuable opportunities for advanced learners in the postgraduate (PG) stream to actively engage in teaching classes for undergraduate (UG) students. This program is designed to promote knowledge-sharing, foster mentorship relationships, and enhance the overall academic experience within the institution. The purpose of this report is to outline the key components and benefits of the "Professors of the Future" programme.

### **Program Objectives:**

The primary objectives of the "Professors of the Future" programme are as follows:

1. **Enhancing Teaching Experience:** Provide postgraduate students with hands-on teaching experience, allowing them to develop effective pedagogical skills and gain exposure to the challenges and rewards of academia.
2. **Knowledge-Sharing:** Facilitate the dissemination of advanced knowledge from postgraduate students to their undergraduate peers, promoting a culture of collaboration and intellectual growth within the institution.
3. **Mentorship Opportunities:** Create a platform for meaningful mentorship between postgraduate and undergraduate students, fostering a supportive learning environment and encouraging academic and personal development.
4. **Promoting Interdisciplinary Learning:** Encourage cross-disciplinary interactions by allowing postgraduate students to teach in related or complementary undergraduate courses, fostering a broader understanding of diverse subject areas.

### **Program Implementation:**

The implementation of the "Professors of the Future" programme will involve the following key steps:

1. **Selection Process:** The program will identify eligible postgraduate students who demonstrate strong academic performance, teaching potential, and interpersonal skills. A formal application and interview process will be conducted to ensure the selection of suitable candidates.

2. **Training and Development:** Selected participants will undergo rigorous training and development sessions. These will include workshops on effective teaching methodologies, classroom management, and mentorship techniques.
3. **Course Allocation:** Postgraduate students will be assigned to assist or lead specific undergraduate courses under the supervision of experienced faculty. Course allocation will consider the student's expertise and interests.
4. **Supervision and Support:** Faculty members will closely supervise the postgraduate students throughout the teaching process, offering guidance, feedback, and encouragement.
5. **Assessment and Evaluation:** Both postgraduate and undergraduate students will have the opportunity to provide feedback on the teaching experience through regular evaluations. This feedback will be used to continuously improve the program.

### **Benefits of the "Professors of the Future" Programme:**

The "Professors of the Future" programme offers numerous benefits to all stakeholders involved:

1. **For Postgraduate Students:**
  1. **Enhanced Teaching Skills:** Participants develop essential teaching skills that benefit their academic and professional development.
  2. **Leadership Experience:** Teaching UG students provides an opportunity to exercise leadership and take responsibility for their educational journey.
  3. **Networking Opportunities:** Interaction with faculty and undergraduate students expands their academic network and fosters potential research collaborations.
2. **For Undergraduate Students:**
  1. **Exposure to Advanced Concepts:** UG students benefit from exposure to advanced topics, contributing to their academic growth and curiosity.
  2. **Mentorship and Support:** Interaction with postgraduate students fosters a mentorship culture, providing guidance and support beyond the classroom.

3. For Faculty and Institution:

1. Enriched Learning Environment: The program contributes to a dynamic and enriched learning environment, fostering a culture of knowledge-sharing and collaboration.
2. Potential Research Opportunities: The interdisciplinary nature of the program may lead to research opportunities and collaborations among faculty and students.

## Professors of the Future- Programmes 2021-2022

Sl. No.	Name	Class taken	Topic	Date
<b>Botany</b>				
1	Ajmila Majeed, II MSc	III DC	Degradation of natural resources -Land degradation, degradation of water resources, Loss of flora and fauna.	12.10.2021
2	Maria Teresa Joyas, II MSc	III DC	Role of an individual in conservation of natural resources, sustainable life styles.	12.10.2021
3	Rahul S B, II MSc	III DC	Threats to biodiversity: land use changes & habitat destruction.	12.10.2021
4	Reshma S Nair, II MSc	III DC	Global initiatives in biodiversity conservation- Stockholm Conference, Montreal Protocol.	12.10.2021
5	Gopika J, II MSc	III DC	Convention on Biological diversity; Regional initiatives- Chipko movement.	12.10.2021
<b>Physics</b>				
6	Angel Bennet, II MSc	II DC	Polarization: Dielectrics, induced dipoles, Polarization, The field of a polarized object.	28.09.2021
7	Fathima N N, II MSc	II DC	Electromotive force: Ohm's law; Electromagnetic induction: Faraday's law.	28.09.2021
8	Sophia John, II MSc	II DC	Ideal voltage and current sources- Thevenin's and Norton's theorems.	11.11.2021
9	Eijoy M, II MSc	III DC	Astronomy and Astrophysics-Importance of Astronomy-Methods of Astronomy and Astrophysics.	20.10.2021
10	Janila S P Anilkumar, II MSc	III DC	The Microwave background radiation-The Sun-The Stars-Neutron Stars.	20.10.2021
<b>Psychology</b>				
11	Sindhu Cletus, II MSc	II DC	Attribution Theories: Correspondent inference, Kelley's theory, Attribution errors. Impression formation/ impression management - tactics.	27.09.2021
12	Roweena Juhi, II MSc	II DC	Attitude measurement - Likert, Thurstone, Bogardus, Osgood. Persuasion: Resistance to persuasion	27.09.2021

13	Varsha, II MSc	II DC	Prejudice based on gender: its nature and effects. Hostile and benevolent sexism in Indian society.	27.09.2021
<b>Zoology</b>				
14	Roshna Robert, II MSc	II DC	The Blast search engine - important features - Idea of Multiple sequence alignment - Proteomics.	28.09.2021
15	Sumayya Sabeer, II MSc	II DC	Science for nation building, Types of knowledge: Practical, Theoretical and Scientific knowledge, Information.	28.09.2021
16	Suvidya V S, II MSc	II DC	Definition of life and its manifestations, Biology - The science of life ,History of Biology in ancient times	28.09.2021





