

Minutes of Meeting (MoM) held on 24/11/22

The members present at the meeting of the Department of Applied Biology held on 24/11/22 --

- 1) Dr. Ranjita Biswas --- HoD. *Ranjita Biswas*
- 2) Dr. Amit Kumar Chakrabarty *Amit Kumar Chakrabarty*
- 3) Dr. Milon Banik – Course- coordinator of M.Sc *M. Banik*
- 4) Dr. Arnab Kumar Ghosh – Course-coordinator of B.Sc (present online) *A. Ghosh*
- 5) Ms. Sayantani Majumder

The agenda & discussion of the meeting as follows ---

1) Finalize Mission & Vision of the Department :

The mission and vision statement for the department has been modified and corrected that aligned with University mission and vision statements. The PSO, PEOs of the department have to be made in coming future.

Vision of the Department

Impart high quality teaching- learning in applied areas of biology and biotechnology in alignment with the vision of the university.

To create high caliber and technically competent professionals with social, moral and ethical values to meet the new challenges of technological advancements.

Mission of the Department

- To impart quality and value based teaching & learning of international standard for solving real life problems in applied biology and biotechnology areas.
- To create industry ready and higher qualified professionals in line with the requirements of the industry and academic research respectively.
- To create conscientious professionals who can participate in extension and outreach activities for the society.

- To nurture entrepreneurs who can initiate start-ups or work in multi-cultural global groups and contribute significantly towards the betterment of quality life.

Courses:

Department of Applied Biology offers two courses in Postgraduate and Undergraduate level.

- M.Sc in Biotechnology
- B.Sc in Biotechnology

Program objectives (POs for M.Sc Program)

Students will be able to utilize

- PO1: Develop an understanding of major concepts of biology integrated with fundamental principles of chemistry and physics.
- PO2: Complete the scientific outlook not only with respect to subjects but also in all aspects related to life.
- PO3: Develop the ability to analyze experimental data and draw inferences.
- PO4: Make use of written and oral communication skills effectively.
- PO5: Solve the scientific issues related to various areas of biotechnology and environment.

Program objectives (POs for B.Sc Program)

Students will be able to

- *PO1: explain basic concepts of biotechnology and perceive scientific challenges of the field*
- *PO2: demonstrate basic techniques and experimental results in biotechnology areas.*
- *PO3: summaries, communicate technical reports and papers.*
- *PO4: interpret the scientific experiments related to the field*
- *PO5: analyze subject specific concepts and problems.*

2) Faculty requirement for the department as per NAAC regulations:

The present number of seats for B.Sc. Biotech program are 180 and M.Sc Biotech program are 120 and as the NAAC regulations, the students and teachers ratios for BSc program 25:1 and MSc program 20:1. The department has 4 Assistant Professors and needs 4 teachers for M.Sc and 7 teachers for B.Sc program as per the given details-

Course	Professor	Associate	Assistant
M.Sc	1	1	2
B.Sc	1	1	5

The identified areas for faculty intake are proposed as-

Biotechnology / Microbiology/Bioprocess Technology / Genomics-Proteomics-Bioinformatics / IPR, Biosafety / Environmental Sciences / Medical Devices / Biophysics / Plant Biotechnology

3) Identify research thrust area for the department

The main research thrust area of the department has been decided according to the areas of expertise of the faculties. The areas –

- a) Nanomedicine
- b) Nutraceuticals
- c) Agro-based bioproducts or Agrobiotechnology & Organic Farming

4) List of examiners for End semester exams:

The list of examiners and question setters for this semester as attached in Annexure 1.

5) Action on Stakeholders' Feedback-

The BSc and MSc Biotech student's feedbacks are good and satisfactory. The overall feedback given by the faculty members of the Department are good and mentioned introduction of more elective choices for students. To



meet this, the faculty members will be placing new electives for discussion in the next BoS.

6) Misc.

Urgent requirement of 3 faculty rooms for the department for its Assistant Professors.

