



# RAMA DEVI WOMEN'S UNIVERSITY

Vidya Vihar, Bhubaneswar-751022

OFFICE OF THE DIRECTOR, IQAC

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## SEMINARS/CONFERENCES/WORKSHOPS/WEBINARS CONDUCTED BY DEPARTMENT OF BIOTECHNOLOGY

1. **Event:** Workshop

2. **Title of the Event :** Skill Based Training Programme in Bio-entrepreneurship

3. **Date & Duration:** 7<sup>th</sup> - 17<sup>th</sup> February, 2022 (10 days)

4. **Objective/Motivation of the Event:**

India is now counted among the top 10 biotech leaders in the world with the establishment of many Indian Biotech companies with significant investment from several global biotech giants to exploit India's strong generic biotechnology potential. However, the concept of entrepreneurship in Biotechnology is still at its infancy. A successful biotechnology enterprise depends on trained professionals who not only understand science but are also skilled in the complexities of biotechnology commercialization. Every Biotechnology Entrepreneur must thoroughly understand the basics of the biotechnology sector such as research, collaboration, infrastructure, and technology and capital and come up with an alternative business model to fully exploit the biotechnological potentials of the Country. Thus the Skill Based training programme in Bioentrepreneurship would help build a strong foundation on bioentrepreneurship, providing a unique enlightening venue for the participants to understand the entire Biotechnology enterprise.

5. **Theme of the Event:**

The primary theme of the course is to provide students with the central skills in science based entrepreneurship in the Biotech industry. The training programme will equip students with the necessary knowledge on how to bridge science and business and translate biotech concepts into commercial terms. It will also enable students to understand the differences in issues and challenges in science-based industries related to entrepreneurship and innovation. Further, the training will provide live experience of developing business models in several niche areas of Biotechnology. Ecology, Environment and Conservation Biology. The specific themes of the training workshop includes

- An overview of Innovation and Entrepreneurship in Biotechnology
- Entrepreneurship Development Programmes of Private and Public agencies in India
- Bio marketing strategies
- Bio business model-Aquaculture
- Bio business model-Ornamental horticulture
- Bio business model- Mushroom Cultivation
- Bio business model-Vermi Composting
- Bio business model- Seaweed Farming
- Bio business model- Pearl Culture
- Bio business model- Bee Keeping
- Bio business model- Ornamental horticulture
- Management of Intellectual property rights in Biotechnology

**6. Funding Agency:** OHEPPE grant, IDP cell, Rama Devi Women's University, Bhubaneswar.

**i. Funds Received (In Rs.):** Rs. 15000/-

**7. Technical Session (Details)**

**i. No. of Technical sessions conducted: 10 (Five)**

**ii. Title of the Technical sessions:**

Session I: Innovation and Entrepreneurship in Biotechnology

Session II: Bio entrepreneurship sectors & Funding opportunities

Session III: Bio marketing strategies

Session IV: Commercial Floriculture as a bio business model

Session V: Mushroom Cultivation as a bio business model

Session VI: Vermi Composting as a bio business model

Session VII: Seaweed Farming as a bio business model

Session VIII: Aquaculture as a bio business model

Session IX: Apiculture as a bio business model

Session X: Management of Intellectual property rights in Biotechnology

**iii. Chairperson of the technical session:**

Session I Chair: Prof. Aparajita Chowdhury, Vice Chancellor, RDWU.

Session II Chair: Prof. Sasmita Mohanty, Chairperson, PG Council, RDWU.

Session III Chair: Dr. Raj Kumar Joshi, HOD, Dept. of Biotechnology, RDWU.

Session IV Chair: Dr. Sujata Mohanty, Dept. of Biotechnology, RDWU

Session V Chair: Prof. Sasmita Mohanty, Chairperson, PG Council, RDWU

Session VI Chair: Prof. Sasmita Mohanty, Chairperson, PG Council, RDWU

Session VII Chair: Dr. Sujata Mohanty, Dept. of Biotechnology, RDWU

Session VIII Chair: Dr. Raj Kumar Joshi, HOD, Dept. of Biotechnology, RDWU.

Session IX Chair: Dr. Sujata Mohanty, Dept. of Biotechnology, RDWU

Session X Chair: Dr. Raj Kumar Joshi, HOD, Dept. of Biotechnology, RDWU.

**8. Resource persons (Details):**

Sl. No.	Name	Designation	Affiliation/ Institute	Specialization	Title of the Talk
1	Dr. Nivedita Jena	Chief Operating Officer	DBT ILS-Bio incubator	Startup promoter	Innovation and Entrepreneurship in Biotechnology
2	Dr. Manisha Acharya	Chief Executive Officer	Centre for Innovation & Incubation, Utkal University	Bio entrepreneur	Bio entrepreneurship sectors & Funding opportunities
3	Dr. Jay Sankar Das	President	Tech Innovadors, Mumbai	Bio-investor, Business Investor	Bio marketing strategies
4	Dr. Sashikala Beura	Professor	OUAT, Bhubaneswar	Horticulture	Commercial Floriculture as a bio business model

5	Dr. Niranjan Chinara	Assoc. Professor	CTMRT, OUAT, Bhubaneswar	Mycology	Mushroom Cultivation as a bio business model
6	Dr. Susanta K Pattnaik	Professor	OUAT, Bhubaneswar	Vermicomposting	Vermi Composting as a bio business model
7	Dr. Satyajit Bhuyan	Assoc. Professor	College of Fisheries, OUAT, Rangeilunda	Marine Biology	Seaweed Farming as a bio business model
8	Dr. Pratap Chandra Das	Principal Scientist	ICAR-CIFA, Bhubaneswar	Aquaculture	Aquaculture as a bio business model
9	Dr Shailesh Saurabh	Senior Scientist	ICAR-CIFA, Bhubaneswar	Pearl Culture	Freshwater Pearl cultivation
10	Prof. Ramanath Mahapatra	Professor	OUAT, Bhubaneswar	Entomology	Apiculture as a bio business model
11	Dr. Niharika Bhattacharya	Asst. Professor	IIT Kharagpur	Intellectual Property	Management of Intellectual property rights in Biotechnology

**9. Participants Details (Indicate Numbers only and attach attendance sheet)**

- i. Scientists/Faculty: 07**
- ii. Ph. D. Scholar: 11**
- iii. Students: 96**
  - a. UG: 62**
  - b. PG: 38**

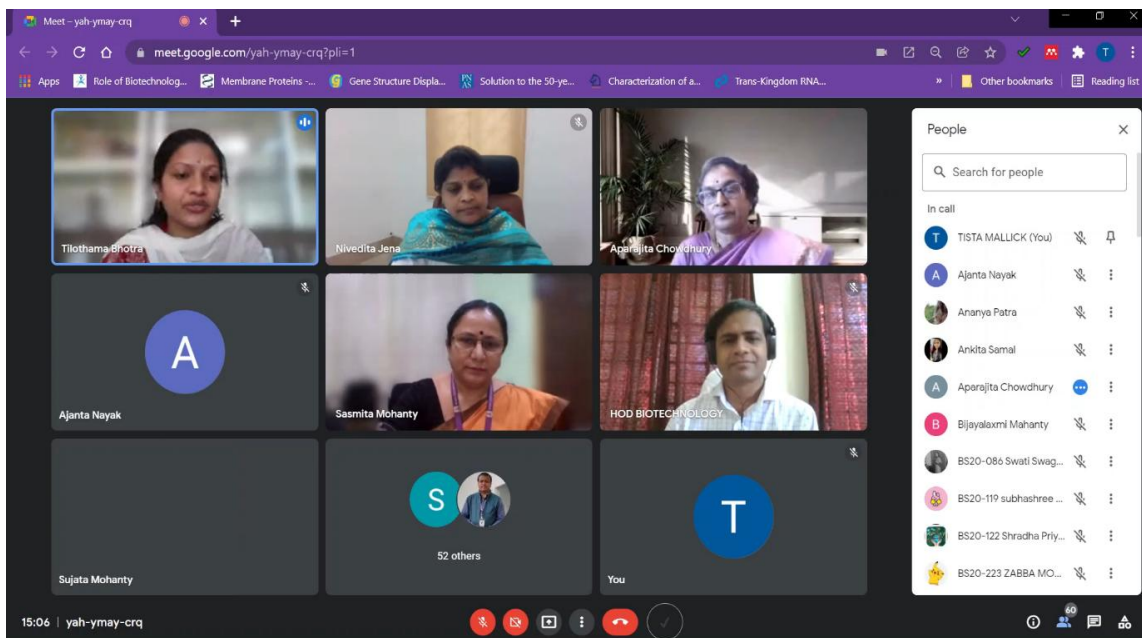
**10. Outcomes of the Event:**

The skill training workshop in Bioentrepreneurship provided an excellent opportunity students to develop entrepreneurship skills, including an increased capability to start a biotech business. The skill straining also facilitated the exploration of pressing problems from the perspective that these may have a biotechnological solution and recognise the commercial opportunities opened by new biological discoveries

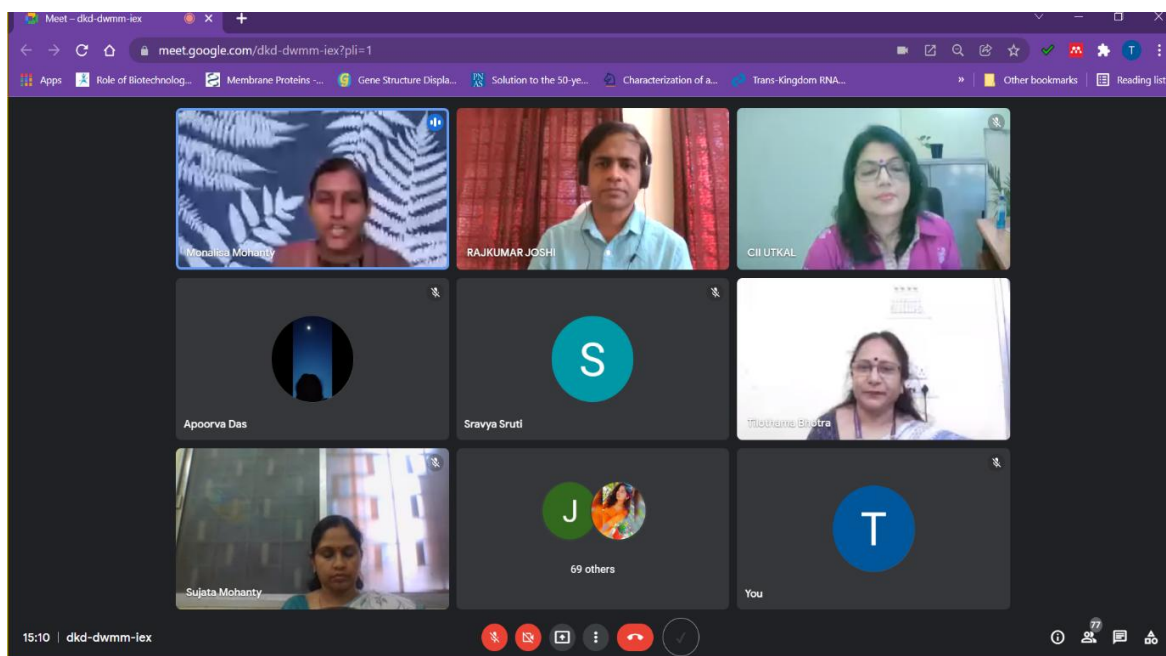
**11. Recommendations (if any):**

The organizing committee recommended that such skill training may be conducted on a regular basis to motivate students towards inculcating the idea of entrepreneurship in Biotechnology.

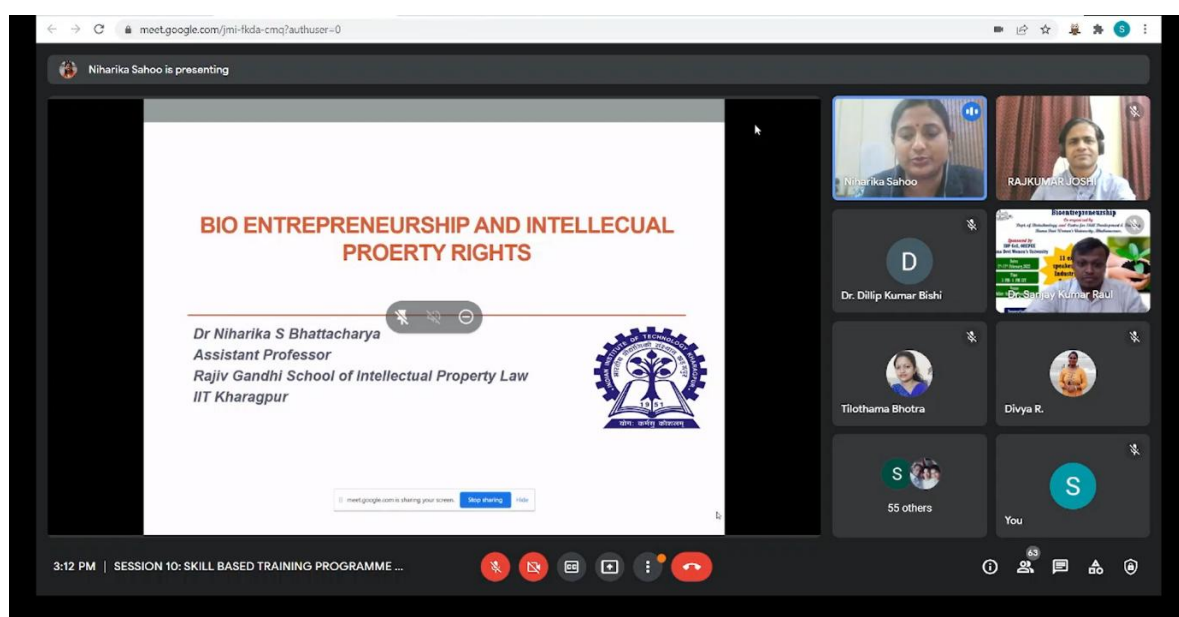
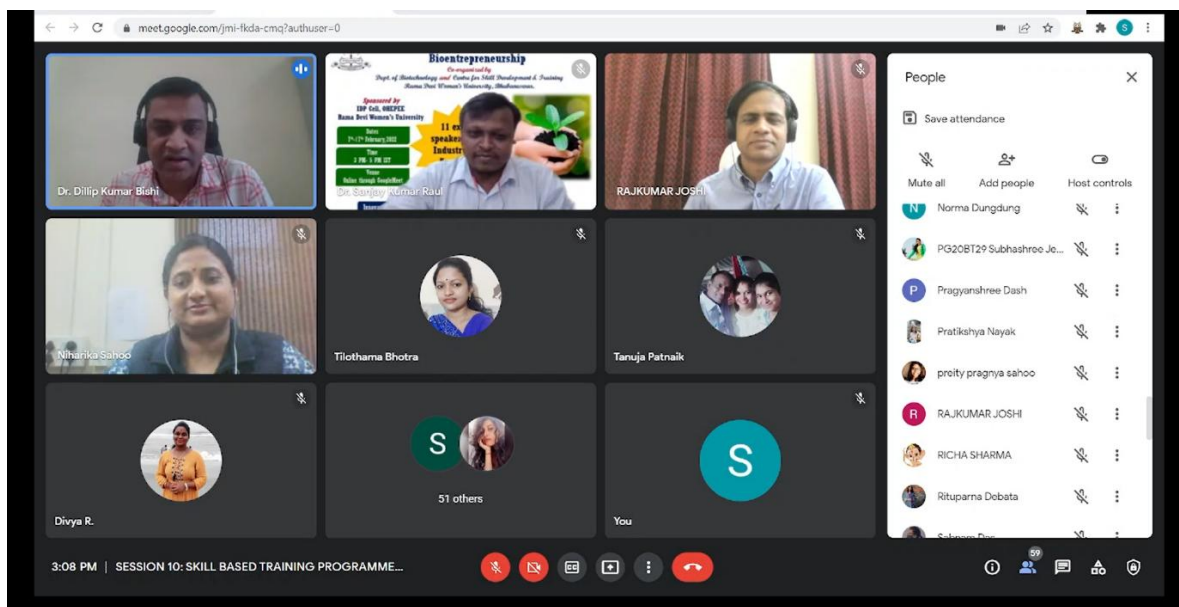
**12. Selected Photographs : Enclosed**



Inaugural session of the Skill Training programme in Bio entrepreneurship presided by Prof. Aparajita Chowdhury, Hon'ble Vice Chancellor, RDWU. The Chief speaker was Dr. Nivedita Jena, Chief Executive Officer, DBT-ILS Bioincubator



Session 2 of the Skill Training programme in Bio entrepreneurship chaired by Prof. Sasmita Mohanty, Chairperson, PG Council, RDWU. The Chief speaker was Dr. Manisha Acharya, Chief Executive Officer, Centre for Innovation & Incubation, Utkal University, Bhubaneswar.



Closing session of the Skill Training programme in Bio entrepreneurship 2022. The Chief speaker was Dr. Niharika Bhattacharya, Asst. Professor, Rajiv Gandhi School of Intellectual Property Law, IIT, Kharagpur.



**IDP sponsored  
Skill Based Training Programme in Bio-entrepreneurship**

*Co-organized by*

**Department of Biotechnology & Centre for Skill Development Training  
Rama Devi Women's University, Vidya Vihar, Bhubaneswar, Odisha.**

# **CERTIFICATE**

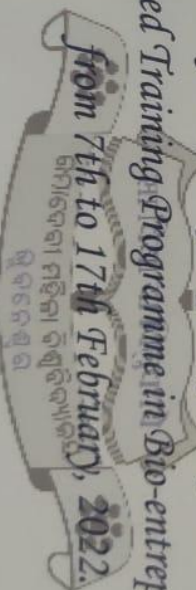
**OF COMPLETION**

*This certificate is presented to*

Ms.....

*for successfully completing the*

*Skill based Training Programme in Bio-entrepreneurship*



**Programme  
Coordinator**

**Chairperson,  
(PG Council)**

Format of the participation certificate issued to registered participant in the Skill based Training programme in Bio-entrepreneurship-2022