

LIST OF SEMINARS/WORKSHOPS

A.Y. 2022-23

SN	Name of the Program	Date	No. of Participants	Details of the Resource Person
1	A One Day Workshop on "IPR and IP Management for Young Entrepreneurs for Startup"	27/06/2022	34	Dr. Umakanta Swain Asst. Prof. Dept. Of Biological Sciences, AIPH University, Bhubaneswar Contact No: 8658881679 Email: uswain@gmail.com
2	A One Day Seminar on "Research Methodology: Tools and Techniques"	12/07/2022	34	Dr. Haimanti Bhattacharya Research Scientist, RMRC (ICMR), Bhubaneswar Contact No: 9337076421 Email: h.bhattacharya@gmail.com
3	A One Day Seminar on "Quantitative Research Methods"	01/08/2022	29	Dr. Umesh Chandra Naik, Asst. Prof., Dept. Of Botany, Ravenshaw University, Cuttack Contact No: 07852983118 Email: umeshbiology@gmail.com
4	A One Day Seminar on "Current Research Methods used in Biotechnology Research"	10/08/2022	32	Dr. Sakti Rath Ramadevi Women's University, Bhubaneswar Contact No: 9861257624 Email: saktirath@gmail.com
5	A One Day Seminar on "Modern Molecular Research Techniques for Microbial Taxonomy"	16/08/2022	34	Dr. Bikash Chandra Behera Scientific Officer NISER, Bhubaneswar Contact No: 8984429572 Email: bikashbehera@gmail.com
6	A One Day Seminar on "Awareness on IPR"	12/09/2022	37	Dr. Jyoti Ranjan Rout Asst. Prof., Dept. Of Biological Sciences Contact No: 909007492 Email: routjr@aiph.ac.in
7	A One Day Seminar on "Finding Research Opportunities in IT Industry"	10/11/2022	31	Dr. Debabala Swain, Asst. Prof. Dept. Of Computer Sciences, Ramadevi University, Bhubaneswar. Contact No: 09861369640 Email: debabala@rdwu.ac.in
8	A One Day Seminar on "Women in Agriculture Entrepreneurship in India"	12/12/2022	19	Dr. Swati Mishra CSIR-IMMT Contact No: 9474747570 Email: swati.mishra123@gmail.com
9	A One Day Workshop on "RT-PCR"	16/02/2023	32	Prof. T.C Kar Professor, Berhampur University Contact No: 9437656305 Email: tckar@gmail.com
10	A One Day Workshop on "Cyber Security and Computer Hardware"	25/02/2023	31	Mr. Dhaneswar Pradhan Ex. Banker, PNB, CSP, BBSR Utkal University, Bhubaneswar Contact No: 9474767576 Email: dhaneswar23@gmail.com
11	A One Day Workshop on "Intellectual Property Rights and Innovations in Biotechnology"	09/04/2023	34	Dr. Santosh Kumar, Assistant Professor, Dept. Of Biotechnology, KIIT University, BBSR. Contact No: 08017161459 Email: santosh.kumar@kiitbiotech.ac.in


DIRECTOR
 MITS School of Biotechnology
 Bhubaneswar

18/06/2022

CIRCULAR

This is to inform you that Dept. Biotechnology, MITS School of Biotechnology, Bhubaneswar, Odisha is going to organise **"A One Day Workshop on IPR and IP Management for Young Entrepreneurs for Startup"** on 27th June 2022. Interested students shall register their names at the office of the coordinator on or before 4PM 26th May 2022.




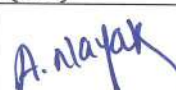
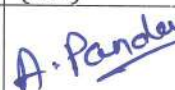
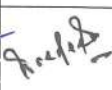
Venue of the programme: Dept. Biotechnology, MITS School of Biotechnology

Coordinator: **Dr. Satyananda Patel**
Associate Professor
Department of Biotechnology
MITS School of Biotechnology



DIRECTOR

Director
MITS School of Biotechnology
Bhubaneswar

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CE: For information					

REGISTRATION FORM

Name.....
CourseYr(1/2/3)
Roll No.....
Institution.....
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Address for Communication:
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Mobile.....
Email.....

Signature

Application to be submitted online in the above format along with the scanned copy of the registration form.

Last Date of Registration: 26.06.2022

Email: satyanandapatel@gmail.com

Address for Communication

Dr. Satyananda Patel
Head, Department of Biotechnology
Contact: +91-7978528311

Chief Patron

Er. Sriram Panda
Chief Executive
MITS Group

Patron

Dr. G.K. Panda
Director
MITS School of Biotechnology

Convenor

Dr. R.R Mishra
Head
Dept. of Biotechnology

Coordinator

Dr. Satyananda Patel
Assoc. Professor
Dept. of Biotechnology

Advisory Committee

Dr. Mousumi Mishra
Dept. of Biotechnology

Dr. Manisha Pattnaik
Dept. of Biotechnology

Dr. Smaranika Sahoo
Dept. of Biotechnology

A

ONE DAY WORKSHOP ON



“IPR AND IP MANAGEMENT FOR YOUNG ENTREPRENEURS FOR STARTUP”

Programme Schedule:
27-06-2022



Organized By:

मिदस जैव प्रौद्योगिकी संस्थान
MITS SCHOOL OF BIOTECHNOLOGY

Venue:

2(P), Infocity, Patia
Bhubaneswar-751024 (Odisha)
Website: msb.ac.in
Email: principal@msb.ac.in

About College

Consistently ranking as the best institute in the eastern part of India, MITS School of Biotechnology (MSB) is a self financing professional organisation that was founded in 2003. The faculty consists of having qualification of PhD, M.Tech as well as experience in both Academics and industrial research, so as the student graduates, who are equally impressive mostly working in leading industries of Biotechnology, Pharma and IT. MSB is considered to be most selective, accepting, growing and proven institute under Utkal University. The institute is located at the prime location of Infocity, Bhubaneswar. This prestigious institute includes popular programs of Biotechnology, Applied Micro Biology and Computer Science.

Courses Offered at MSB

BCA	- 3 Years
B.Sc Biotechnology	- 3 Years
M.Sc Biotechnology	- 2 Years
M.Sc App. Microbiology	- 2 Years

About Programme

Intellectual property (IP) for startups includes using copyrights, trademarks, and patents. Safeguarding IP is much easier in the beginning phases of your business than after those ideas have become successful. IP protection puts legal checks on your competition, preventing others from infringing on and profiting from your property. A sound IP strategy from the beginning can also help attract investors, suppliers, partners, and more. Intellectual property (IP) pertains to any original creation of the human intellect such as artistic, literary, technical, or scientific creation. Intellectual property rights (IPR) refers to the legal rights given to the inventor or creator to protect his invention or creation for a certain period of time. This seminar highlights the IPR and IP management practices for young entrepreneurs willing to startup any industry.



Objective of the Programme

The seminar was conducted with the following objectives:

- Highlights the rules and regulations of IPR.
- Discussion about how IPR is related to startup.
- What is the scope of young students/researchers to establish a startup.
- Awareness initiatives and Programs for stakeholders for protecting their IPR.
- Discussion about management practices for IPR.



Resource Person

Dr. Umakanta Swain
AIPH University
Bhubaneswar

Date: 27/06/2022

LIST OF PARTICIPANTS

Name of the Programme: One-day *workshop* on "IPR AND IP MANAGEMENT FOR YOUNG ENTREPRENEUR IN STARTUPS."

SL. NO	Name of the Participant	Year Branch	Signature
1	PREM PRATYUSH MANGRAJ	2 nd YR MSc-AMB	Prem Pratyush Mangraj
2	KRITI	1 ST YR MSc-BT	Kriti
3	RAJESH KUMAR SAHOO	2 nd YR MSc-BT	Rajesh kumar saho
4	SUBHAM KUMAR PUNTIA	2 nd YR MSc-BT	Subham kumar puntia
5	YASH RAJ PATNAIK	1 ST YR MSc-BT	Yash Raj patnaik
6	ANISHA MOHAPATRA	2 nd YR MSc-BT	Anisha Mohapatra
7	PRAMOD KUMAR	2 nd YR MSc-BT	Pramod Kumar
8	KIKI DEBASRITA JENA	1 ST YR MSc-AMB	Kiki Debasrita Jena
9	PURNOPAMA ROY	1 ST YR MSc-BT	Purnopama Roy
10	PRAGYAN PRIYADARSANI	1 ST YR MSc-BT	PRAGYAN PRIYADARSANI
11	SUSHRUTA BHATTACHARYA	2 nd YR MSc-AMB	Sushruta Bhattacharya
12	NIBEDITA BEHERA	2 nd YR MSc-AMB	Nibedita Behera
13	PUJA PRUSTY	1 ST YR MSc-AMB	Puja Prusty
14	PRIYANKA DAS	1 ST YR MSc-AMB	Priyanka Das
15	AMLAN PATI	2 nd YR MSc-BT	Amalan pati
16	NEETIPREETA DASH	1 ST YR MSc-BT	Neetipreeta Dash
17	RIYA RAJ	2 nd YR MSc-BT	Riya Raj
18	BIDYUT PRABHA NAIK	2 nd YR MSc-AMB	Bidyut Prabha Naik
19	KADAMBINI PANIGRAHI	2 nd YR MSc-AMB	Kadambini Panigrahi
20	ADITI PARIAL	2 nd YR MSc-AMB	Aditi Pariyal
21	JHANSIRANI PATRA	1 ST YR MSc-BT	Jhansirani Patra
22	SUBHALAXMI PANDA	2 nd YR MSc-BT	Subhalaxmi Panda
23	ROSALI BISWAL	1 ST YR MSc-AMB	Rosali Biswal
24	POONAM GUPTA	2 nd YR MSc-AMB	Poonam Gupta
25	SAMEEKSHA JENA	1 ST YR MSc-BT	Sameeksha Jena
26	ARPITA MISHRA	1 ST YR MSc-AMB	Arpita Mishra
27	KUNTAL NATH	2 nd YR MSc-AMB	Kuntal Nath
28	SOUMYASHREE JENA	1 ST YR MSc-AMB	Soumyashree Jena
29	SUSHIL KUMAR BEHERA	2 nd YR MSc-BT	Saikh
30	SAIKH MD AWESH AZAM	2 nd YR MSc-BT	Saikh MD Awesh Azam
31	SUSHREE PRIYADARSHINI PANDA	2 nd YR MSc-BT	Sushree Priyadarshini Panda
32	SIPRA JENA	1 ST YR MSc-AMB	Sipra Jena
33	LOPAMUDRA PRADHAN	2 nd YR MSc-AMB	Lopamudra pradhan
34	BHABATOSH MAITY	2 nd YR MSc-AMB	Bhabatosh maity


COORDINATOR


DIRECTOR
Director
MITS School of Biotechnology
Bhubaneswar
Website: www.msb.ac.in
Email: principal@msb.ac.in

PROGRAMME REPORT

28/06/2022

Programme Name	One Day Workshop on IPR and IP Management for Young Entrepreneurs for Startup
Date of Activity:	27/06/2022
Resource Person:	Dr. Umakanta Swain Assistant Professor, AIPH University, Bhubaneswar Contact No: 8658881679 Email: uswain@gmail.com
Organised By:	MITS School of Biotechnology
Venue:	Dept. Biotechnology, MSB, Bhubaneswar

Objective of the program

- To provide a comprehensive understanding of intellectual property rights, including patents, trademarks, copyrights, and trade secrets, to participants who may have limited prior knowledge of these concepts.
- Emphasize the importance of IPR for startups, highlighting how it can protect their innovations, enhance their market position, and attract investors and partners.
- Assist participants in developing a strategic approach to managing their intellectual property, including decisions on what to protect, when to protect, and how to monetize IP assets.

Topic Covered

Theme 1: Introduction to Intellectual Property (IP)

Theme 2: IP Strategy for Startups

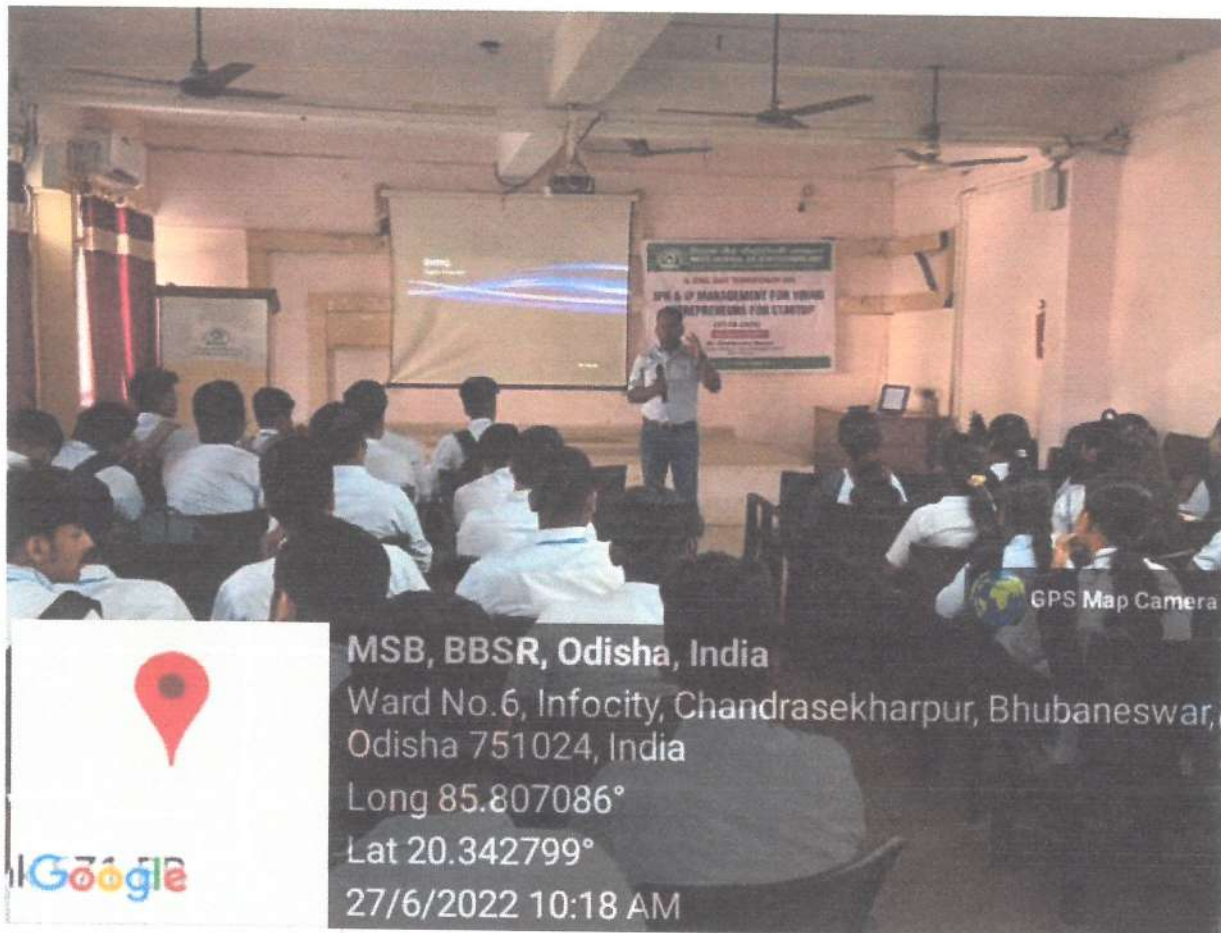
Theme 3: Patent Fundamentals

Theme 4: Licensing and IP Commercialization

Outcome of the program

- Students had a better understanding of the importance of intellectual property rights, including patents, trademarks, copyrights, and trade secrets
- Students developed a more effective strategy for protecting their intellectual property assets, which can be critical for startups to gain a competitive edge.
- Participants gained a basic understanding of the legal aspects of IP, which can help them navigate IP-related challenges more effectively.

No. of Participants: 34



Resource Person **Dr. Umakanta Swain** delivering a talk on “**IPR and IP management for young Entrepreneurs for start up**” at MSB Bhubaneswar on **27.06.22**


Coordinator


DIRECTOR
Director
MITS School of Biotechnology
Bhubaneswar

02/07/2022

CIRCULAR

This is to inform you that Dept. Biotechnology, MITS School of Biotechnology, Bhubaneswar, Odisha is going to organise “**A One Day Seminar on Research Methodology : Tools and Techniques**” on 12th July 2022. Hence, it is hereby requested to all the faculty members, research scholars and students of various degree colleges/Universities and research Institutes to register them self before 4PM, 10th July 2022.




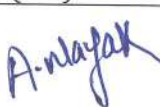
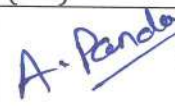
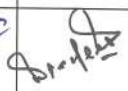
Venue of the programme: Dept. Biotechnology, MITS School of Biotechnology

Coordinator: **Dr. Satyananda Patel**
Associate Professor
Department of Biotechnology
MITS School of Biotechnology



DIRECTOR

Director
MITS School of Biotechnology
Bhubaneswar

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REGISTRATION FORM

Name.....

CourseYr(1/2/3)

Roll No.....

Institution.....

Address for Communication:

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Mobile.....

Email.....

Signature

Application to be submitted online in the above format along with the scanned copy of the registration form.

Last Date of Registration: 06.12.2022

Email: satyanandapatel@gmail.com

Address for Communication

Dr. Satyananda Patel
Department of Biotechnology
Contact: +91-7735266465

Chief Patron

Er. Sriram Panda
Chief Executive
MITS Group

Patron

Dr. G.K. Panda
Director
MITS School of Biotechnology

Convenor

Dr. Rashmi Ranjan Mishra
Head
Dept. of Biotechnology

Coordinator

Dr. Satyananda Patel
Assoc. Professor
Dept. of Biotechnology

Advisory Committee

Dr. Mousumi Mishra
Dept. of Biotechnology

Dr. Smaranika Sahoo
Dept. of Biotechnology

Dr. T.C Kar
Dept. of Biotechnology

A

ONE DAY SEMINAR ON



"RESEARCH METHODOLOGY: TOOLS AND TECHNIQUES"

Programme
Schedule: 12-07-2022



Organized By:

मिड्स जैव प्रौद्योगिकी संस्थान
MITS SCHOOL OF BIOTECHNOLOGY

Venue:

2(P), Infocity, Patia
Bhubaneswar-751024 (Odisha)
Website: msb.ac.in
Email: principal@msb.ac.in

About College

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Courses Offered at MSB

BCA	- 3 Years
B.Sc Biotechnology	- 3 Years
M.Sc Biotechnology	- 2 Years
M.Sc App. Microbiology	- 2 Years

About Programme

Research method is defined as a way of scientifically studying a phenomenon. It consists of specific activities within the research procedure, supplemented by a set of tools used to collect and analyze data. The choice of the research method should therefore precede the research itself and lead to the consistent application of the principles of the method during its course (small lapses are possible in qualitative research, which you will learn about soon). The research method is characterized by its replicability. By this we mean that the results of the study should be verifiable and help another researcher replicate the study in another context.



Objective of the Programme

The objective of the present seminar would have following benefits:

- The researchers who want to replicate the research have enough information to do so.
- Researchers who receive criticism can refer to the methodology and explain their approach.
- It can help researchers with a specific plan to follow throughout their research
- The methodology design process helps researchers select the correct methods for the objectives.



Resource Person

Dr. Haimanti Bhattacharya
Research Scientist, RMRC
Bhubaneswar

Date: 12-07-2022

LIST OF PARTICIPANTS

Name of the programme: One-day seminar on "RESEARCH METHODOLOGY: TOOLS AND TECHNIQUES"

SN.	Name of the candidate	Year Branch	Signature
1	AVINAV MAHARANA	2nd Year MSc-AMB	Avinav Maharana
2	TASHMIM AFTAB	2nd Year MSc-BT	Tashmim Aftab
3	TEJASWINI MOHAPATRA	2nd Year MSc-BT	Tejaswini Mohapatra
4	SAI SANKALP PAUL	2nd Year MSc-AMB	Sai Sankalp Paul
5	ASHRITA SAHU	1st Year MSc-AMB	Ashrita Sahu
6	NIKIPRITAM SAHOO	2nd Year MSc-AMB	Nikipritam Sahoo
7	JAGAT JYOTI ACHARYA	2nd Year MSc-AMB	Jagat Jyoti Acharya
8	SWORAJ DAS	1st Year MSC-BT	Sworaj Das
9	SMARANIKA RATH	2nd Year MSc-BT	Smaranika Rath
10	ASHMINI PADHI	2nd Year MSc-AMB	Ashmini Padhi
11	LAXMIPRIYA BISWAL	1st Year MSc-AMB	Laxmi Priya Biswal
12	CHITRANKA P. PRADHAN	2nd Year MSc-BT	Chitranka P. Pradhan
13	AMBAR CHATTERJEE	1st Year MSC-BT	Ambar Chatterjee
14	JYOTSHNA RANI DASH	1st Year MSC-BT	Jyotshna Rani Dash
15	ADITYA JENA	2nd Year MSc-AMB	Aditya Jena
16	HAJRA BIBI	1st Year MSC-BT	Hajra Bibi
17	KISHAN KUMAR SAHOO	2nd Year MSc-BT	Kishan Kumar Sahoo
18	AMISHA DAS	1st Year MSc-AMB	Amisha Das
19	MUKESH KUMAR NAYAK	1st Year MSc-AMB	Mukesh Kumar Nayak
20	PURNOPAMA ROY	2nd Year MSc-BT	Purnopama Roy
21	SWAYAM PRAGNYA MISHRA	2nd Year MSc-BT	Swayam Pragnya Mishra
22	PRABIN KUMAR DASH	2nd Year MSc-BT	Prabin Kumar Dash
23	ABHISEK MOHAPATRA	2nd Year MSc-BT	Abhisek Mohapatra
24	PINALI MOHAPATRA	2nd Year MSc-BT	Pinali Mohapatra
25	OMM PATI	1st Year MSC-BT	Omm pati
26	ABHIJIT MOHAPATRA	2nd Year MSc-BT	Abhijit Mohapatra
27	YASH RAJ PATNAIK	2nd Year MSc-BT	Yash Raj Patnaik
28	BISWAJIT PRADHAN	2nd Year MSc-BT	Biswajit Pradhan
29	BISWAJIT PADHY	2nd Year MSc-BT	Biswajit Padhy
30	KASHISH AFREEN	1st Year MSC-BT	Kashish Afreen
31	BHAGYASHREE PRUSTY	2nd Year MSc-AMB	Bhagyashree Prusty
32	SUPRIYA SARANGI	1st Year MSC-BT	Supriya Sarangi
33	SOMYASASWATI BETAL	2nd Year MSc-BT	Somyasaswati Betal
34	PRADYUMNA SAHOO	2nd Year MSc-AMB	Pradyumna Sahoo


COORDINATOR


DIRECTOR

Director
MITS School of Biotechnology
Bhubaneswar

PROGRAMME REPORT

13/07/2022

Programme Name	One Day Seminar On Research Methodology : Tools And Techniques
Date of Activity:	12/07/2022
Resource Person:	Dr. Haimanti Bhattacharya Research Scientist, RMRC (ICMR), Bhubaneswar Contact No: 9337076421 Email: h.bhattacharya@gmail.com
Organised By:	MITS School of Biotechnology
Venue:	Dept. Biotechnology, MSB, Bhubaneswar

Objective of the program

The main objective of this course is to introduce the basic concepts in research methodology in Social science. This course addresses the issues inherent in selecting a research problem and discusses the techniques and tools to be employed in completing a research project. This will also enable the students to prepare report writing and framing Research proposals.

Topic Covered

Theme 1: Basics in Social Science Research

Theme 2: Research Design

Theme 3: Data Collection

Theme 4: Data Analysis

Theme 5: Issues in Research

Outcome of the program

- Students will be able to understand and comprehend the basics in research methodology and applying them in research/ project work.
- This course will help them to select an appropriate research design.
- With the help of this seminar, students will be able to take up and implement a research project/ study.
- The course will also enable them to collect the data, edit it properly and analyse it accordingly. Thus, it will facilitate students' prosperity in higher education.
- The Students will develop skills in qualitative and quantitative data analysis and presentation.
- Students will be able to demonstrate the ability to choose methods appropriate to research objectives

No. of Participants: 34



Resource Person **Dr. Haimanti Bhattacharya** delivering a talk on “**Research Methodology: Tools and Techniques**” at MSB, BBSR on **12 July 2022**.


Coordinator


DIRECTOR

22/07/2022

CIRCULAR

This is to inform you that Dept. Biotechnology, MITS School of Biotechnology, Bhubaneswar, Odisha is going to organise **"A One Day Seminar on Quantitative Research Methods"** on 1st August 2022. Hence, it is hereby requested to all the faculty members, research scholars, students of various Life Sciences Departments of degree colleges/Universities and research Institutes to register them self before 4PM, 30th July 2022.

Venue of the programme: Dept. Biotechnology, MITS School of Biotechnology

Coordinator:







Dr. Satyananda Patel

Associate Professor

Department of Biotechnology

MITS School of Biotechnology


DIRECTOR
Director
MITS School of Biotechnology
Bhubaneswar

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Institution.....
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Address for Communication:
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Mobile.....
Email.....

Signature

Application to be submitted online in the above format along with the scanned copy of the registration form.

Last Date of Registration: 7.01.2022

Email: satyanandapatel@gmail.com

Address for Communication

Dr. Satyananda Patel

Department of Biotechnology

Contact: +91-7735266465

Chief Patron

Er. Sriram Panda
Chief Executive
MITS Group

Patron

Dr. G.K. Panda
Director
MITS School of Biotechnology

Convenor

Dr. Rashmi Ranjan Mishra
Head
Dept. of Biotechnology

Coordinator

Dr. S.N Patel
Assoc. Professor
Dept. of Biotechnology

Advisory Committee

Dr. Mousumi Mishra
Dept. of Biotechnology

Mr. Siddharth Parida
Dept. of Biotechnology

Dr. Smaranika Sahoo
Dept. of Biotechnology

A ONE DAY SEMINAR ON



"QUANTITATIVE RESEARCH METHODS"

Programme Schedule:
01/08/2022



Organized By:

मिट्स जैव प्रौद्योगिकी संस्थान
MITS SCHOOL OF BIOTECHNOLOGY

Venue:

2(P), Infocity, Patia
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Website: msb.ac.in
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About College

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Courses Offered at MSB

BCA	- 3 Years
B.Sc Biotechnology	- 3 Years
M.Sc Biotechnology	- 2 Years
M.Sc App. Microbiology	- 2 Years

About Programme

Quantitative research methods are used to observe events that affect a particular group of individuals, which is the sample population. In this type of research, diverse numerical data are collected through various methods and then statistically analyzed to aggregate the data, compare them, or show relationships among the data. The purpose of quantitative research is to validate or test a theory or hypothesis. The Quantitative Research Methods seminar features cutting-edge research engaged in developing and employing quantitative methods in the social sciences. The workshop will host prominent and up-and-coming scholars in a variety of disciplines, who will present work on a range of topics including experimental design, causal identification in observational studies, text analysis, and election forensics.



www.msb.ac.in

Objective of the Programme

- The main aim was to focus on Methodology in research.
- Knowledge on how to distinguish Qualitative and quantitative data.
- Resolve a research problem through data gathering using various techniques.
- Providing an interpretation of data gathered and drawing conclusions about the research data.
- Awareness among students about the methods used for quantitative research.



Resource Person

Dr. Umesh Chandra Nayak
Assistant Professor
Ravenshaw University

Date: 01/08/2022

LIST OF PARTICIPANTS

Name of the Programme: One-day seminar on "QUANTITATIVE RESEARCH METHODS"

SL. NO	Name of the Participant	Year Branch	Signature
1	ABHIPSA PATRA	2 nd YR MSc-AMB	Abhipsa patra
2	AMBIKA ROUT	2 nd YR MSc-AMB	Ambika Rout
3	AMISHA BISWAL	1 ST YR MSc-BT	Amisha Biswal
4	ANISHA MOHAPATRA	2 nd YR MSc-BT	Anisha Mohapatra
5	ARPAN KHAMARI	2 nd YR MSc-BT	Arpan Khamari
6	BARSARANI MOHARANA	2 nd YR MSc-AMB	Barsara Moharana
7	BARSHA PRIYADARSHINI JENA	2 nd YR MSc-BT	Barsha Priyadarshini Jena
8	BISWAJIT SUTAR	2 nd YR MSc-AMB	Biswajit Sutar
9	HARAPRIYA SAHOO	1 ST YR MSc-BT	Harapriya
10	IPSITA DAS	2 nd YR MSc-BT	Ipsita Das
11	LAXMI PRIYA PATRA	2 nd YR MSc-AMB	Laxmi Priya Patra
12	PREETIMAYEE JENA	1 ST YR MSc-BT	Preetimayee Jena
13	PRERANA PANDA	2 nd YR MSc-BT	Prerana Panda
14	PRITI GHOSH	2 nd YR MSc-AMB	Priti Ghosh
15	PRIYANKA PANDA	2 nd YR MSc-BT	PRIYANKA PANDA
16	PRIYANKA PRIYADARSHINI	1 ST YR MSc-AMB	Priyanka Priyadarshini
17	PRIYANKA PRIYADARSHINI SWAIN	1 ST YR MSc-BT	Priyanka P. Swain
18	PUSPANJALI NAYAK	1 ST YR MSc-AMB	Puspanjali Nayak
19	RASHMITA NANDITA SUBHADARSINI	2 nd YR MSc-BT	Rashmita Nandita
20	RATAN KUMAR MOHANTY	2 nd YR MSc-AMB	Ratan Kumar Mohanty
21	SINDHUSA SRINIVAS	2 nd YR MSc-AMB	Sindhusa
22	SONALI NAG	2 nd YR MSc-AMB	Sonali nag
23	SUBHALAXMI PANDA	2 nd YR MSc-BT	Subhalaxmi Panda
24	SUBHASREE SUBHASHMITA SATAPATHY	1 ST YR MSc-BT	Subhasree Subhasmita Satapathy
25	SUSHREE BEAUTY JENA	2 nd YR MSc-BT	Sushree beauty Jena
26	SUSHREE SANGEETA SWAIN	1 ST YR MSc-AMB	Sushree Sangeeta Swain
27	SWAGATIKA PRADHAN	2 nd YR MSc-AMB	Swagatika Pradhan
28	SWORUPA SWAIN	1 ST YR MSc-AMB	Sworupa Swain
29	TASHMIM AFTAB	1 ST YR MSc-BT	Tashmim Aftab



COORDINATOR



DIRECTOR

Director
MITS School of Biotechnology
Bhubaneswar

PROGRAMME REPORT

02/08/2022

Programme Name	One Day Seminar On Quantitative Research Methods
Date of Activity:	01/08/2022
Resource Person:	Dr. Umesh Chandra Naik, Asst. Prof., Dept. Of Botany, Ravenshaw University, Cuttack Contact No: 07852983118 Email: umeshbiology@gmail.com
Organised By:	MITS School of Biotechnology
Venue:	Dept. Biotechnology, MSB, Bhubaneswar

Objective of the program

- To provide an overview of what quantitative research is and its significance in various fields, such as social sciences, economics, psychology, and more.
- Discuss the basics of research design, including the formulation of research questions or hypotheses, the selection of variables, and the importance of defining a clear research scope
- Explore various methods for collecting quantitative data, such as surveys, experiments, observations, and secondary data sources.

Topic Covered

- Theme 1: Introduction to quantitative research
- Theme 2: Research design
- Theme 3: Data collection techniques
- Theme 4: Data analysis methods

Outcome of the program

- Students will gain a better understanding of the principles and concepts related to quantitative research methods. This includes topics like research design, data collection, data analysis, and statistical techniques.
- Students may learn how to design quantitative research studies effectively. This includes selecting appropriate research questions, hypotheses, and methodologies.
- Students also will acquire skills related to data collection, which can involve techniques such as surveys, experiments, observations, or secondary data analysis.

No. of Participants: 29



Resource Person Dr. Umesh Chandra Naik delivering a talk on “*On Quantitative Research Methods*” at MSB, BBSR on 01 Aug 2022.



Coordinator



DIRECTOR
Director
MITS School of Biotechnology
Bhubaneswar

30/07/2022

CIRCULAR

This is to inform you that Dept. Biotechnology, MITS School of Biotechnology, Bhubaneswar, Odisha is going to organise "*A One Day Seminar on Current Research Methods used in Biotechnology Research*" on 10 August 2022. Interested students shall register their names at the office of the coordinator on or before 4PM, 7th October, 2022.





Venue of the programme: Dept. Biotechnology, MITS School of Biotechnology

Coordinator: **Dr. Satyananda Patel**
Associate Professor
Department of Biotechnology
MITS School of Biotechnology



DIRECTOR

Director
MITS School of Biotechnology
Bhubaneswar

HOD-BIO	HOD-COMP	DO	Warden (BH)	Warden (GH)	LIBRARIAN
			A. Nayak	A. Panda	
CE: For information					

REGISTRATION FORM

Name.....

CourseYr(1/2/3)

Roll No.....

Institution.....

Address for Communication:

.....

.....

.....

Mobile.....

Email.....

Signature

Application to be submitted online in the above format along with the scanned copy of the registration form.

Last Date of Registration: 09.08.2022

Email: satyanandapatel@gmail.com

Address for Communication

Dr. Satyananda Patel

Department of Biotechnology

Contact: +91-7735266465

Chief Patron

Er. Sriram Panda

Chief Executive

MITS Group

Patron

Dr. G.K. Panda

Director

MITS School of Biotechnology

Convenor

Dr. Rashmi Ranjan Mishra

Head

Dept. of Biotechnology

Coordinator

Dr. Satyananda Patel

Assoc. Professor

Dept. of Biotechnology

Advisory Committee

Prof. T.C Kar

Dept. of Biotechnology

Mr. S.Parida

Dept. of Biotechnology

Dr. Smaranika Sahoo

Dept. of Biotechnology

A ONE DAY SEMINAR ON



**“CURRENT RESEARCH METHODS
USED IN BIOTECHNOLOGY
RESEARCH”**

Programme Schedule:
10/08/2022



Organized By:

**मिट्स जैव प्रौद्योगिकी संस्थान
MTS SCHOOL OF BIOTECHNOLOGY**

Venue:

2(P), Infocity, Patia
Bhubaneswar-751024 (Odisha)
Website: msb.ac.in
Email: principal@msb.ac.in

About College

Consistently ranking as the best institute in the eastern part of India, MITS School of Biotechnology (MSB) is a self-financing professional organization that was founded in 2003. The faculty consists of having qualification of PhD, M. Tech as well as experience in both Academics and industrial research, so as the student graduates, who are equally impressive mostly working in leading industries of Biotechnology, Pharma and IT. MSB is most selective, accepting, growing and proven institute under Utkal University. The institute is located at the prime location of Infocity, Bhubaneswar. This prestigious institute includes popular programs of Biotechnology, Applied Microbiology and Computer Science.

Courses Offered at MSB

BCA	- 3 Years
B.Sc Biotechnology	- 3 Years
M.Sc Biotechnology	- 2 Years
M.Sc App. Microbiology	- 2 Years

About Programme

The outstanding advances in biotechnology over the last 50 years have been underpinned by the development and application of a range of "biotechnological methods," from the development of fermentation technology in the 1940s and 1950s, through to the development of genetic engineering techniques in the late 1970s, to the more recently developed methods of protein-engineering and DNA amplification by the polymerase chain reaction. Some of these methods and the potential consequences of their application have caught the media's imagination and therefore have received widespread attention. Many will know that methods have been developed which enable us to genetically manipulate organisms for benefit of the humankind.



Objective of the Programme

The objective of the program is to highlight and discuss the following themes:

- To discuss current Research Method and how to adopt it.
- To address the recent research in Biotechnology.
- To highlight the current research tools and techniques such as RT-PCT, Proteomics and Genomics, Transgenic Animals, Stem cell Research etc.
- To discuss the area of Genomics and Proteomics.



Resource Person

Dr. Sakti Rath,
Associate Professor
Dept. Of Life Sciences
R.D Women's University

Date: 10/08/2022

LIST OF PARTICIPANTS

Name of the Programme: One-day Seminar on "CURRENT RESEARCH METHODS USED IN BIOTECHNOLOGY RESEARCH."

SN.	Name of the candidate	Year Branch	Signature
1	JANHAVI TAJAN	2nd Year MSc-AMB	JANNA TAJAN
2	RAJALAXMI DASH	2nd Year MSc-BT	Rajalaxmi Dash
3	KADAMBINI RATH	2nd Year MSc-BT	Kadambini Rath
4	AZHAR SHAHID	2nd Year MSc-BT	Azhar shahid
5	RUPALI JETHI	1st Year MSC-BT	Rupali Jethi
6	BISMAYA KUMAR DASH	2nd Year MSc-AMB	Bismaya Kumar Dash
7	JAGANNATH ACHARYA	2nd Year MSc-BT	Jagannath Acharya
8	ASHMINI PADHI	2nd Year MSc-AMB	Ashmini Padhi
9	JHANSIRANI PATRA	2nd Year MSc-BT	Jhansirani Patra
10	BISALAKHI AGASTY	2nd Year MSc-BT	Bisalakhi Agasty
11	LIPIKA DAS	2nd Year MSc-AMB	Lipika Das
12	NIPPU PANDIT	1st Year MSc-AMB	NIPPU PANDIT
13	RITUPARNA PAIKRAY	1st Year MSc-AMB	Rituparna Paikray
14	KRISHNA KASTURIKA BHOL	1st Year MSC-BT	Krishna Kasturika Bhol
15	BIJAYA LAXMI PRADHAN	2nd Year MSc-BT	Bijaya laxmi Pradhan
16	GOURAB KUMAR NAIK	2nd Year MSc-AMB	Gourab Kumar Naik
17	GALI JHANSI REDDY	1st Year MSC-BT	Gali 'Jhansi' Reddy
18	KIKI DEBASRITA JENA	2nd Year MSc-AMB	Kiki debasrita Jena
19	TANUSHREE PANDA	1st Year MSc-AMB	Tanushree panda
20	NIKIPRITAM SAHOO	2nd Year MSc-AMB	Nikipritam saho
21	MALABIKA PATTANAIK	2nd Year MSc-BT	Malabika Pattanaiik
22	JITENDRA KUMAR SAHOO	1st Year MSc-AMB	Jitendra Kumar Sahoo
23	LIPSA SAMAL	2nd Year MSc-AMB	Lipsa samal
24	MUKESH KUMAR NAYAK	1st Year MSc-AMB	Mukesh Kumar Nayak
25	KRITI	2nd Year MSc-BT	Kriti
26	SUSHREE SANGITA PRIYADARSINI	1st Year MSC-BT	Sushree Sangita Priyadarsini
27	KAJAL KIRAN SAHOO	2nd Year MSc-BT	Kajal Kiran Sahoo
28	JAGAT JYOTI ACHARYA	2nd Year MSc-AMB	Jagat Jyoti Acharya
29	SAI SAMIKSHYA SAHU	1st Year MSC-BT	Sai samikshya sahu
30	NANDITA SAMAL	1st Year MSC-BT	Nandita Samal
31	AVINAV MAHARANA	2nd Year MSc-AMB	AVINAV MAHARANA
32	ARUSMITA DAS	1st Year MSc-AMB	Arusmita Das


COORDINATOR


DIRECTOR

MITS School of Biotechnology
Bhubaneswar

2(P), Infocity, Patia, Bhubaneswar
Pin-751024 (Odisha), INDIA

Website: www.msb.ac.in
Email: principal@msb.ac.in

PROGRAMME REPORT

11/08/2022

Programme Name	A One Day Seminar On Current Research Methods used in Biotechnology Research
Date of Activity:	10/08/2022
Resource Person:	Dr. Sakti Rath Ramadevi Women's University, Bhubaneswar Contact No:9861257624 Email: saktirath@gmail.com
Organised By:	MITS School of Biotechnology
Venue:	Dept. Biotechnology, MSB, Bhubaneswar

Objective of the program

Biotechnology also has a significant positive impact on environmental protection, preservation and pharmaceutical industry. This seminar has been designed to provide rigorous training to students for professional careers in the biotechnology and pharmaceutical industries. The main objective of the programme is to introduce with the deep understanding about basic and applied education and research skills of biotechnology. The mission of the programme is inculcating the budding biotechnologists with in depth subject knowledge and effective skills needed to be a successful professional in their fields.

Topic Covered

Theme: 1: Current Methods used in Biotechnology Research

Theme: 2: Basic and Applied Research for product development

Theme 3: Agricultural and Pharmaceutical and Biotechnology Research

Outcome of the program

- Explain in depth and up to date knowledge in basic and advanced biotechnological elements
- Evaluate, information relevant to concepts and issues of contemporary biotechnology
- Analyze and solve both theoretical and applied biotechnological problems related to research and technical aspects of the industry.
- Describe legal, ethical, social and business aspects of biotechnological based products and services

No. of Participants: 32



Resource Person **Dr. Sakti Rath** delivering a talk on “**Current Research Methods used in Biotechnology Research**” at MSB, BBSR on **10th August 2022**.


Coordinator


DIRECTOR
Director
MITS School of Biotechnology
Bhubaneswar

06/08/2022

CIRCULAR

This is to inform you that Dept. Biotechnology, MITS School of Biotechnology, Bhubaneswar, Odisha is going to organise "**A One Day Seminar on Modern Molecular Research Techniques for Microbial Taxonomy**" on 16th August 2022. Interested students shall register their names at the office of the coordinator on or before 4PM, 14th August 2022.




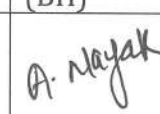
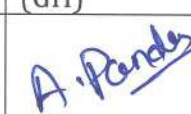

Venue of the programme: Dept. Biotechnology, MITS School of Biotechnology

Coordinator: **Dr. Satyananda Patel**
Associate Professor
Department of Biotechnology
MITS School of Biotechnology



DIRECTOR

Director
MITS School of Biotechnology
Bhubaneswar

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CE: For information					

REGISTRATION FORM

Name.....

Course Yr(1/2/3)

Roll No.....

Institution.....

Address for Communication:

Mobile.....

Email.....

Signature

Application to be submitted online in the above format along with the scanned copy of the registration form.

Last Date of Registration: 15.08.2022

Email: satyanandapatel@gmail.com

Address for Communication

Dr. Satyananda Patel

Associate Professor

Contact: +91-7735266465

Chief Patron

Er. Sriram Panda

Chief Executive
MITS Group

Patron

Dr. G.K. Panda

Director
MITS School of Biotechnology

Convenor

Dr. R.R Mishra

Head
Dept. of Biotechnology

Coordinator

Dr. S.N Patel

Assoc. Professor
Dept. of Biotechnology

Advisory Committee

Dr. T.C Kar

Dept. of Biotechnology

Mr. S. Parida

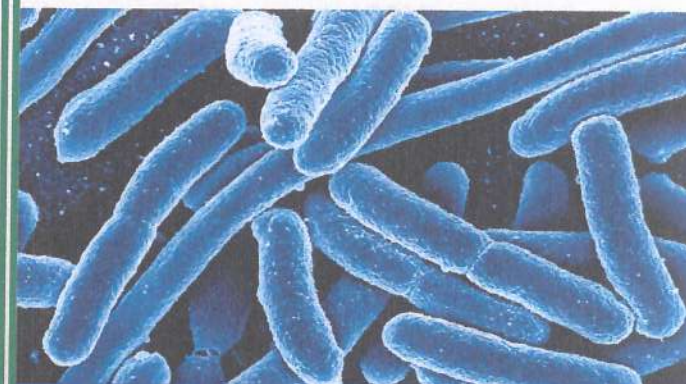
Dept. of Biotechnology

Dr. Smaranika Sahoo

Dept. of Biotechnology

A

ONE DAY SEMINAR ON



"MODERN MOLECULAR RESEARCH TECHNIQUES FOR MICROBIAL TAXONOMY"

Programme Schedule :

16/08/2022



Organized By:

मिटस जैव प्रौद्योगिकी संस्थान
MITS SCHOOL OF BIOTECHNOLOGY

Venue:

2(P), Infocity, Patia
Bhubaneswar-751024 (Odisha)
Website: msb.ac.in
Email: principal@msb.ac.in

About College

Consistently ranking as the best institute in the eastern part of India, MITS School of Biotechnology (MSB) is a self financing professional organisation that was founded in 2003. The faculty consists of having qualification of PhD, M.Tech as well as experience in both Academics and industrial research, so as the student graduates, who are equally impressive mostly working in leading industries of Biotechnology, Pharma and IT. MSB is considered to be most selective, accepting, growing and proven institute under Utkal University. The institute is located at the prime location of Infocity, Bhubaneswar. This prestigious institute includes popular programs of Biotechnology, Applied Micro Biology and Computer Science.

Courses Offered at MSB

BCA	- 3 Years
B.Sc Biotechnology	- 3 Years
M.Sc Biotechnology	- 2 Years
M.Sc App. Microbiology	- 2 Years

About Programme

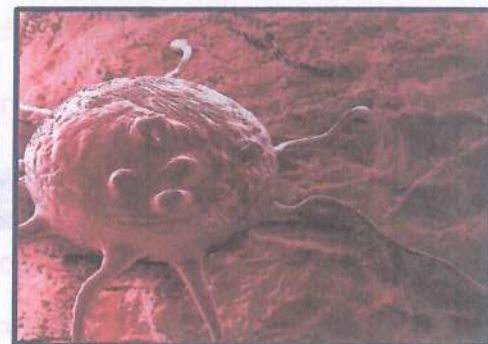
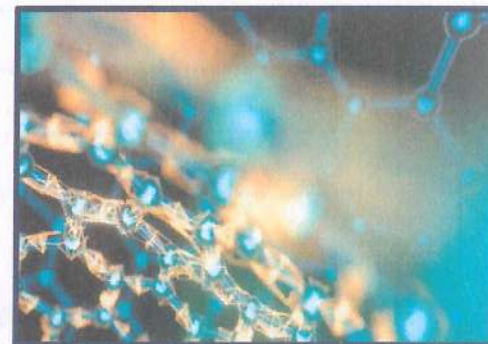
The diversity of microbial communities varies within habitats as much as between habitats. This variation can even occur within a few millimeters, suggesting that microbial diversity encompasses more than the documented evidence available. Hence, biogeography is gaining importance as a field of study from microbial diversity point of interest. Many reasons have been postulated to explain this phenomenon. Due to the innately small size of the microorganisms, environmental complexity plays a major role in determining diversity. Spatial heterogeneity is likely to lead to the formation of many niches within a habitat.



Objective of the Programme

The objectives of molecular taxonomy are as follows:

1. It helps in reconstructing the genetic relationship between various species.
2. It helps in the study of evolution in a sequential manner.
3. It helps in finding the tie of divergence occurring in between the various species
4. Identification of bacteria and fungus using 16sRNA 18sRNA gene sequencing
5. Application of metagenomics for uncultivable microbes



Resource Person

Dr. Bikash Chandra Behera,
NISER Bhubaneswar

Date: 16-08-2022

LIST OF PARTICIPANTS

Name of the Programme: One-day Seminar on "MODERN MOLECULAR RESEARCH TECHNIQUES FOR MICROBIAL TAXONOMY"

SN.	Name of the candidate	Name of Institution	Signature
1	PRAVASINI JENA	2nd Year MSc-AMB	Pravasi Jena
2	IPSITA PANI	2nd Year MSc-AMB	IPseta pani
3	MALABIKA PATTANAİK	2nd Year MSc-BT	Malabika Pattnaik
4	BISMAYA KUMAR DASH	2nd Year MSc-AMB	Bismaya Kumar Dash
5	SHRUTI SUCHARITA PRADHAN	2nd Year MSc-AMB	Shruti Sucharita Pradhan
6	LAXMIPRIYA BISWAL	1st Year MSc-AMB	Laxmipriya Biswal
7	PRADYUMNA SAHOO	2nd Year MSc-AMB	Pradyumna Sahoo
8	SIPRA JENA	2nd Year MSc-AMB	Sipra Jena
9	LAXITA SWAIN	1st Year MSc-BT	Laxita Swain
10	JYOTIRMAYEE SAHOO	1st Year MSc-AMB	Jyotirmayee Sahoo
11	NABANITA SINGH	2nd Year MSc-AMB	Nabanita Singh
12	SNIGDHA RANI DAS	2nd Year MSc-BT	Snigdha Rani Das
13	SATYAJIT NATH	3rd Year MSc-BT	Satyajit Nath
14	GOURAHARI DAS	1st Year MSc-AMB	Gourahari Das
15	PAYAL GIRI	1st Year MSc-AMB	Payal Giri
16	SMARANIKA RATH	2nd Year MSc-BT	Smaranika Rath
17	NEHA SINHA	2nd Year MSc-AMB	Neha Sinha
18	ABHIJIT MOHAPATRA	2nd Year MSc-BT	Abhijit Mohapatra
19	PURNOPAMA ROY	2nd Year MSc-BT	Purnopama Roy
20	BISALAKHI AGASTY	2nd Year MSc-BT	Bisalakhi Agasty
21	GALI JHANSI REDDY	1st Year MSc-BT	G. Jhansi Reddy
22	OMM PATI	1st Year MSc-BT	Omm pati
23	HAJRA BIBI	1st Year MSc-BT	Hajra Bibi
24	NIKIPRITAM SAHOO	2nd Year MSc-AMB	Nikipritam Sahoo
25	NANDITA SAMAL	1st Year MSc-BT	Nandita Samal
26	SUBHASHREE PRADHAN	1st Year MSc-AMB	Subhashree Pradhan
27	BEDANANDA SUTAR	1st Year MSc-BT	Bedananda Sutar
28	RAJALAXMI DASH	2nd Year MSc-BT	Rajalaxmi Dash
29	ALISHA SAHOO	2nd Year MSc-BT	Alisha Sahoo
30	ABHISEK MOHAPATRA	2nd Year MSc-BT	Abhisek Mohapatra
31	BISWAJIT PADHY	2nd Year MSc-BT	Biswajit Padhy
32	GOURAB KUMAR NAIK	2nd Year MSc-AMB	Gourab Kumar Naik
33	SOMYASASWATI BETAL	2nd Year MSc-BT	Somyasaswati Betal
34	MIXCHI NAYAK	2nd Year MSc-BT	Mixchi Nayak



COORDINATOR



DIRECTOR

Director
MITS School of Biotechnology
Bhubaneswar

PROGRAMME REPORT

17/08/2022

Programme Name	A One Day Seminar on Modern Molecular Research Techniques for Microbial Taxonomy	
Date of Activity:	16/08/2022	
Resource Person:	Dr. Bikash Chandra Behera Scientific Officer NISER, Bhubaneswar Contact No:8984429572 Email: bikashbehera@gmail.com	
Organised By:	MITS School of Biotechnology	
Venue:	Dept. Biotechnology, MSB, Bhubaneswar	

Objective of the program

Microbial taxonomy comprises the identification of isolates into known species, the classification of new isolates (creation of new taxa), and nomenclature. While rules of the nomenclature are laid down in the Code of Nomenclature of Bacteria the taxonomic schemes used for identification and classification need to be reliable, reproducible and informative. It is also desirable that the schemes are easy and affordable for the end-users of taxonomy. So the objective of the seminar is to acquaint students with basic concepts of microbial diversity and how the molecular research techniques helpful in microbial taxonomy.

Topic Covered

Theme 1: microbial diversity

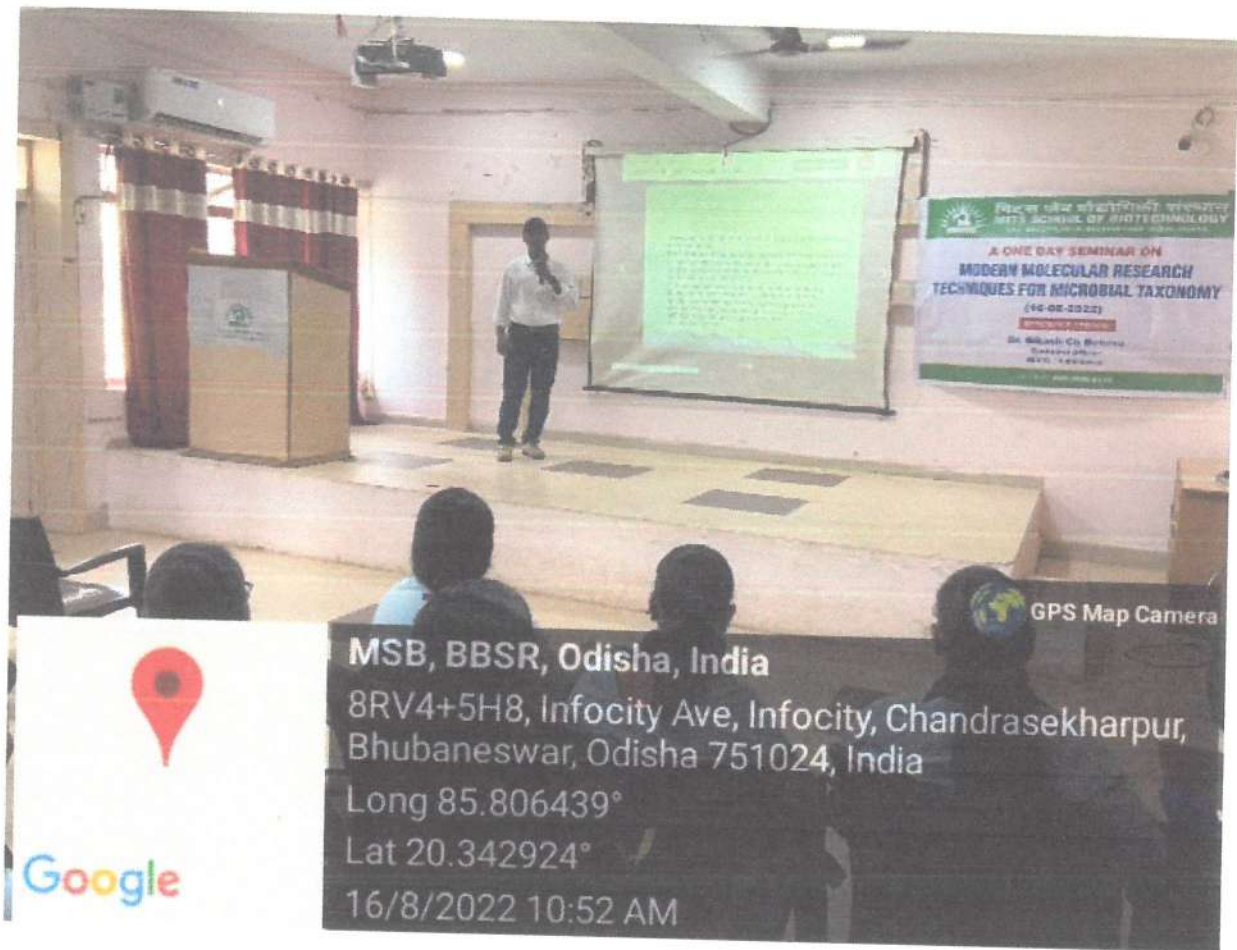
Theme 2: microbial techniques

Theme 3: Microscopy and microbial ecology

Outcome of the program

- After successful completion of this course students are expected to: Understand the basic microbial structure and study the comparative characteristics of prokaryotes and eukaryotes and also understand the structural similarities and differences among various physiological groups of bacteria/archaea
- Aware about diversity of microorganism Impact of microbes on earth atmosphere, health and technology development
- Students will be able to recognise the scope of microbiology in all spheres of life and industrial sector Ways to classify the living system Understand the taxonomy (identification, binomial nomenclature).

- **No. of Participants: 34**



Resource Person **Dr. Bikash Chandra Behera** delivering a talk on “**Modern Molecular Research Techniques for Microbial taxonomy**” at MSB, BBSR on **16th August 2022**.


Coordinator


DIRECTOR
Director
MITS School of Biotechnology
Bhubaneswar

02/09/2022




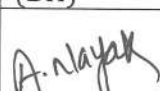
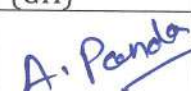

CIRCULAR

This is to inform you that Dept. Biotechnology, MITS School of Biotechnology, Bhubaneswar, Odisha is going to organise **"A One day Seminar on Awareness on IPR"** on 12th September 2022. Interested students shall register their names at the office of the coordinator on or before 4PM, 11th September 2022.

Venue of the programme: Dept. Biotechnology, MITS School of Biotechnology

Coordinator: **Dr. Satyananda Patel**
Associate Professor
Department of Biotechnology
MITS School of Biotechnology


DIRECTOR
Director
MITS School of Biotechnology
Bhubaneswar

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CE: For information					

REGISTRATION FORM

Name.....
CourseYr(1/2/3)
Roll No.....
Institution.....
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Address for Communication:
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.....
Mobile.....
Email.....

Signature

Application to be submitted online in the above format along with the scanned copy of the registration form.

Last Date of Registration: 08.12.2022

Email: satyanandapatel@gmail.com

Address for Communication

Dr. Satyananda Patel

Department of Biotechnology

Contact: +91-7735266465

Chief Patron

Er. Sriram Panda
Chief Executive
MITS Group

Patron

Dr. G.K. Panda
Director
MITS School of Biotechnology

Convenor

Dr. Rashmi Ranjan Mishra
Head
Dept. of Biotechnology

Coordinator

Dr. S.N Patel
Assoc.Professor
Dept. of Biotechnology

Advisory Committee

Dr. Mousumi Mishra
Dept. of Biotechnology

Mr. S. Parida
Dept. of Biotechnology

Dr. Smaranika Sahoo
Dept. of Biotechnology

A

ONE DAY SEMINAR ON



“AWARENESS ON IPR”

Programme Schedule:
12/09/2022



Organized By:

मिड्स जैव प्रौद्योगिकी संस्थान
MITS SCHOOL OF BIOTECHNOLOGY

Venue:

2(P), Infocity, Patia
Bhubaneswar-751024 (Odisha)
Website: msb.ac.in
Email: principal@msb.ac.in

About College

Consistently ranking as the best institute in the eastern part of India, MITS School of Biotechnology (MSB) is a self financing professional organisation that was founded in 2003. The faculty consists of having qualification of PhD, M.Tech as well as experience in both Academics and industrial research, so as the student graduates, who are equally impressive mostly working in leading industries of Biotechnology, Pharma and IT. MSB is considered to be most selective, accepting, growing and proven institute under Utkal University. The institute is located at the prime location of Infocity, Bhubaneswar. This prestigious institute includes popular programs of Biotechnology, Applied Micro Biology and Computer Science.

Courses Offered at MSB

BCA	- 3 Years
B.Sc Biotechnology	- 3 Years
M.Sc Biotechnology	- 2 Years
M.Sc App. Microbiology	- 2 Years

About Programme

This scheme of IPR awareness seminars helps teach the basics of intellectual property rights to the electronics and IT sectors across India. It is a plan by the Department Of Industrial Policy and Promotion (DIPP) Government of India, Ministry of Commerce and Industry. As part of our ongoing support for Information Technology (IT) and Electronics Industry Promotion (EIPR), the Directorate of Electronics and Information Technology (DEIT) is organizing a Scheme to Support IPR Awareness seminars. The Scheme will support the activities of the Department of Industrial Policy and Promotion (DIPP) under its "IPR Awareness Campaign". No matter what industry your company is in, there is a need for you to protect your IP. If you fail to do so, you risk losing profits and business if someone else takes your idea and turns it into something much more profitable than what you have created.



Objective of the Programme

1. The main objective is to enhance awareness about Intellectual Property Rights among the researchers, students and inventors.
2. Understanding about the Indian patent system.
3. To improve the protection and enforcement IPR from infringements.
4. Procedure and practices for ling patent application
5. To understand value and protection of IPR and its benefits.



Resource Person

Dr. Jyoti Ranjan Rout
Asst. Professor
AIPH University

Date: 12-09-2022

REGISTRATION LIST

Name of the Programme: One-day Seminar on "AWARENESS ON IPR"

SN.	Name of the candidate	Year Branch	Signature
1	ARPITA MISHRA	2nd Year MSc-AMB	Arpita Mishra
2	JAGANNATH ACHARYA	2nd Year MSc-BT	Jagannath Acharya
3	SWATI SWAIN	1st Year MSc-BT	Swati Swain
4	JHANSIRANI PATRA	2nd Year MSc-BT	Jhansirani Patra
5	BISALAKHI AGASTY	2nd Year MSc-BT	Bisalaxhi Agasty
6	ARGHYARUPA TRIPATHY	2nd Year MSc-AMB	Arggyarupa Tripathy
7	AMISHA DAS	1st Year MSc-AMB	Amisha Das
8	JAGAT JYOTI ACHARYA	2nd Year MSc-AMB	Jagat Jyoti Acharya
9	HARAPRIYA SAHOO	2nd Year MSc-BT	Harapriya Sahoo
10	KADAMBINI RATH	2nd Year MSc-BT	Kadambini Rath
11	BIJAYA LAXMI PRADHAN	2nd Year MSc-BT	Bijaya Laxmi Pradhan
12	TEJASWINI MOHAPATRA	2nd Year MSc-BT	Tejaswini Mohapatra
13	ARPITA JENA	2nd Year MSc-BT	Arpita Jena
14	ABHISHEK CHAKRABORTY	1st Year MSc-AMB	Abhishek Chakraborty
15	SWETLINA SAHOO	2nd Year MSc-BT	Swetlina Sahoo
16	TANMAYEE MOHANTA	2nd Year MSc-BT	Tanmayee Mohanta
17	BISMAYA KUMAR DASH	2nd Year MSc-AMB	Bismaya kumar Dash
18	AVINAV MAHARANA	2nd Year MSc-AMB	Avinav Maharana
19	TANUSHREE PRADHAN	2nd Year MSc-BT	Tanushree Pradhan
20	KAPI SRIRAM HIMANSU SEKHAR	2nd Year MSc-AMB	Kapi Sriram Himansu Sekhar
21	SWAPNARANI MISHRA	1st Year MSc-BT	Swapnarani Mishra
22	CHITRANKA PRIYADARSHINI	2nd Year MSc-BT	Chitranka Priyadarshini
23	SUSMITA PRIYADASINEE PANDA	2nd Year MSc-BT	Susmita Priyadasinee Panda
24	KIKI DEBASRITA JENA	2nd Year MSc-AMB	Kiki Debasrita Jena
25	GOURAB KUMAR NAIK	2nd Year MSc-AMB	Gourab Kumar Naik
26	SWORAJ DAS	1st Year MSc-BT	Sworaj Das
27	BISWAJIT PRADHAN	2nd Year MSc-BT	Biswajit Pradhan
28	LIPSHA RAY	2nd Year MSc-BT	Lipsha Ray
29	SWAPNARANI RANASINGH	1st Year MSc-BT	Swapnarani Ranasingh
30	NIKIPRITAM SAHOO	2nd Year MSc-AMB	Nikipritam Sahoo
31	NABANITA SINGH	2nd Year MSc-AMB	Nabanita Singh
32	SUSHREE SAMIKSHYA DAS	2nd Year MSc-BT	Sushree Samikshya Das
33	YASH RAJ PATNAIK	2nd Year MSc-BT	Yash Raj Patnaik
34	NEHA SINHA	2nd Year MSc-AMB	Neha Sinha
35	IPSITA PANI	2nd Year MSc-AMB	Ipsita Pani
36	ABINASH HOTA	1st Year MSc-AMB	Abinash Hota
37	JANHAVI TAJAN	2nd Year MSc-AMB	Janhavi Tajan
38	BHAGYASHREE PRUSTY	2nd Year MSc-AMB	Bhagyashree Prusty

COORDINATOR

DIRECTOR

MITS School of Biotechnology

Bhubaneswar

2(P), Infocity, Patia, Bhubaneswar
Pin-751024 (Odisha), INDIA

Website: www.msb.ac.in
Email: principal@msb.ac.in

PROGRAMME REPORT

13/09/2022

Programme Name	A One Day Seminar on Awareness on IPR
Date of Activity:	12/09/2022
Resource Person:	Dr. Jyoti Ranjan Rout Asst. Prof., Dept. Of Biological Sciences, AIPH University, Bhubaneswar Contact No: 909007492 Email: jyotirout@gmail.com
Organised By:	MITS School of Biotechnology
Venue:	Dept. Biotechnology, MSB, Bhubaneswar

Objective of the program

An understanding of intellectual property (IP) is an important skill set in today's increasingly dynamic, information-based economy. Awareness is especially important at academic institutions where many of society's brightest students first learn about and begin practicing innovation and entrepreneurship.

Topic Covered

Theme 1: Intellectual Property – Concept, Identification and Creation

Theme 2: Registering your IP- procedure

Theme 3: Patent Informatics

Theme 4: Commercialization and Tech Transfer- Issues faced Academic Institutions

Theme 4: Copy right in India

Outcome of the program

- Students will be able to understand the concept of IPR
- The program will Enhance the IPR awareness amongst the students would result in an increased IP portfolio of the country – this would mean an increase in the IP's generated domestically, increased competitiveness of the Indian industry both domestically and globally as well as economic growth.

No. of Participants: 37



Resource Person Dr. **Jyoti Ranjan Rout** delivering a talk on "Awareness on IPR" at MSB, BBSR on **12.09.2022**.


Coordinator


DIRECTOR
Director
MITS School of Biotechnology
Bhubaneswar

31/10/2022

CIRCULAR

This is to inform you that Dept. Biotechnology, MITS School of Biotechnology, Bhubaneswar, Odisha is going to organise "*A One Day Seminar on Finding Research Opportunities in IT Industry*" on 10th November 2022. Interested students shall register their names at the office of the coordinator on or before 4PM, 9th November, 2022.







Venue of the programme: Dept. Biotechnology, MITS School of Biotechnology

Coordinator: **Mr. Bibhudatta Tripathy**
Assistant Professor
Department of Computer Science
MITS School of Biotechnology



DIRECTOR

Director
MITS School of Biotechnology
Bhubaneswar

HOD-BIO	HOD-COMP	DO	Warden (BH)	Warden (GH)	LIBRARIAN
					
CE: For information					

REGISTRATION FORM

Name.....
CourseYr(1/2/3)
Roll No.....
Institution.....
.....
Address for Communication:
.....
.....
.....
Mobile.....
Email.....

Signature

Application to be submitted online in the above format along with the scanned copy of the registration form.

Last Date of Registration: 09.11.2022

Email: b.tripathy@gmail.com

Address for Communication

Mr. Bibhudatta Tripathy
Department of Comp.Science
Contact: +91-9861293070

Chief Patron

Er. Sriram Panda
Chief Executive
MITS Group

Patron

Dr. G.K. Panda
Director
MITS School of Biotechnology

Convenor

Dr. Tapaswini Nayak
Head
Dept. of Computer Science

Coordinator

Mr. Bibhudatta Tripathy
Dept. of Computer Science

Advisory Committee

Prof. Chhabi Sethi
Dept. of Computer Science

Prof. Panchami Padmasena
Dept. of Computer Science

Mrs. Kabita Sahoo
Dept. Of Computer Science

A ONE DAY SEMINAR ON



“FINDING RESEARCH OPPORTUNITIES IN IT INDUSTRY”

Programme Schedule :
10-11-2022



Organized By:

मिट्स जैव प्रौद्योगिकी संस्थान
MITS SCHOOL OF BIOTECHNOLOGY

Venue:

2(P), Infocity, Patia
Bhubaneswar-751024 (Odisha)
Website: msb.ac.in
Email: principal@msb.ac.in

About College

Consistently ranking as the best institute in the eastern part of India, MITS School of Biotechnology (MSB) is a self financing professional organisation that was founded in 2003. The faculty consists of having qualification of PhD, M.Tech as well as experience in both Academics and industrial research, so as the student graduates, who are equally impressive mostly working in leading industries of Biotechnology, Pharma and IT. MSB is considered to be most selective, accepting, growing and proven institute under Utkal University. The institute is located at the prime location of Infocity, Bhubaneswar. This prestigious institute includes popular programs of Biotechnology, Applied Micro Biology and Computer Science.

Courses Offered at MSB

BCA	- 3 Years
B.Sc Biotechnology	- 3 Years
M.Sc Biotechnology	- 2 Years
M.Sc App. Microbiology	- 2 Years

About Programme

With technology permeating every aspect of our lives, the efficient management of IT services has become increasingly important for organizations aiming to remain competitive and relevant. The IT services industry not only ensures smooth operations but also enables innovation and growth. As the IT landscape continues to evolve at a rapid pace, staying ahead of the latest trends is vital to success. At Market Research.com, we recognize the importance of staying informed. Our comprehensive collection of IT services industry reports is here to guide you through the intricacies of this growing industry.



Objective of the Programme

The objective of the seminar is to discuss the following aspects :

- IT Industry and its growth in last 10 years
- What are the advancement taken place in the IT Industry
- How to mobilize students/researchers and IT persons towards research
- Establishment of research and Innovation ecosystem towards advances IT research.



Resource Person

Prof. Debabala Swain,
R.D University
Bhubaneswar

Date: 10/11/2022

LIST OF PARTICIPANTS

Name of the Programme: One-day Seminar on "FINDING RESEARCH OPPORTUNITIES IN IT INDUSTRY."

SN.	Name of the candidate	Year Branch	Signature
1	AJIT KUMAR ROUT	3rd Year BCA	Ajit Kumar Rout
2	AMAN PATRA	3rd Year BCA	Aman Patra
3	ANWESHA JENA	3rd Year BCA	Anwesha Jena
4	ASUTOSH PATTANAIK	3rd Year BCA	Asutosh Pattanaik
5	BANSIKA DASH	3rd Year BCA	Banshika Dash
6	BISWAJEET BISWAL	3rd Year BCA	BiswaJeet Biswal
7	CHINMAYA SAHOO	3rd Year BCA	Chinmaya Sahoo
8	DEBASHISH PANDA	3rd Year BCA	Debashish Panda
9	ITISHREE ROUT	3rd Year BCA	Itithree Rout
10	JIGYANSHU NAYAK	3rd Year BCA	Jigyanshu Nayak
11	LAXMIPRIYA MAHARANA	3rd Year BCA	Laxmipriya Maharana
12	NIKHIL KUMAR SHARMA	3rd Year BCA	Nikhil Kumar Sharma
13	NITISH KUMAR	3rd Year BCA	Nitish Kumar
14	PRANATI PAL	3rd Year BCA	Pranati Pal
15	PRASAD KUMAR BHOKTA	3rd Year BCA	Prasad Kumar Bhokta
16	PRITAM RAHUL RANJAN	3rd Year BCA	Pritam Rahul Ranjan
17	PRIYANKA PRIYADARSHINI	3rd Year BCA	Priyanka Priyadarshini
18	RAHUL RANJAN PRAHARAJ	3rd Year BCA	Rahul Ranjan Praharaj
19	RAJKISHORE JENA	3rd Year BCA	Rajkishore Jena
20	SATYAJEET PANDA	3rd Year BCA	Satyajeet Panda
21	SHISHIR KUMAR BARIK	3rd Year BCA	Shishir Kumar Barik
22	SHREEMAN SWAGAT	3rd Year BCA	Shreeman Swagat
23	SIBANANDA MOHAPATRA	3rd Year BCA	Sibananda Mohapatra
24	SLIPA PATTANAIK	3rd Year BCA	Slipa pattanaik
25	SONMAYEE NAYAK	3rd Year BCA	Sonmayee Lenka
26	SRUTI LIPI MOHAPATRA	3rd Year BCA	Srutilipi Mohapatra
27	SUBHASHREE SAHOO	3rd Year BCA	Subhashree Sahu
28	SWATI PATRA	3rd Year BCA	Swati Patra
29	SWOPNAJEET PRADHAN	3rd Year BCA	Swopnajeet. pradhan.
30	SYED SHAYAN ALI	3rd Year BCA	Syed shayan ali
31	ZAID HASSMI	3rd Year BCA	Zaid Hassmi


COORDINATOR


DIRECTOR

PROGRAMME REPORT

11/11/2022

Programme Name	Finding Research Opportunities In IT Industry
Date of Activity:	10/11/2022
Resource Person:	Dr. Debabala Swain, Asst. Prof. Dept. Of Computer Sciences, Ramadevi University, Bhubaneswar. Contact No: 9861369640 Email: swaindebabala@gmail.com
Organised By:	MITS School of Biotechnology
Venue:	Dept. Biotechnology, MSB, Bhubaneswar

Objective of the program

In the recent past, the IT industry has emerged as a major contributor to the industry revenue as well as employment opportunity provider in the country. Though the Indian IT industry has been driven by software development services in the beginning, the trend is changing. The country is becoming an R&D hub of multinational IT companies. Several India-based multinational IT giants also have set up their R&D and innovation centres. The Government views R&D as essential for the implementation of new initiatives such as Digital India, Make in India and Startup India and has launched new schemes in R&D.

Topic Covered:

Theme 1: Quantum Technology

Theme 2: Blockchain Technology

Theme 3: Application of Artificial Intelligence

Theme 4: Performa for submitting project proposal

- Theme 4: Terms and conditions for grant in ai Terms

Outcome of the program

- Students can collaborate with the Information Systems team to ensure the efficient and effective development and operation of the research information systems

- Plays a key role in ensuring that research information systems are optimally configured to maintain consistent and efficient workflow, including the provision of statistical data, and that system upgrades are implemented as required

No. of Participants: 31



Resource Person Dr. Debabala Swain Delivering a talk on “Finding Research Opportunities In IT Industry” at MSB, BBSR on 10 November 2022.

Coordinator

DIRECTOR

Director
MITS School of Biotechnology
Bhubaneswar

02/12/2022

CIRCULAR

This is to inform you that Dept. Biotechnology, MITS School of Biotechnology, Bhubaneswar, Odisha is going to organise "A One Day Seminar on Women's in Agriculture Entrepreneurship in India" on 12th December 2022. Interested students shall register their names at the office of the coordinator on or before 4PM, 11th December, 2022.







Venue of the programme: Dept. Biotechnology, MITS School of Biotechnology

Coordinator: **Dr. Satyananda Patel**
Associate Professor
Department of Biotechnology
MITS School of Biotechnology



DIRECTOR

Director
MITS School of Biotechnology
Bhubaneswar

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CE: For information					

REGISTRATION FORM

Name.....

Course Yr(1/2/3)

Roll No.....

Institution.....

Address for Communication:

Mobile.....

Email.....

Signature

Application to be submitted online in the above format along with the scanned copy of the registration form.

Last Date of Registration: 11.12.2022

Email: satyanandapatel@gmail.com

Address for Communication

Dr. Satyananda Patel

Coordinator, Assoc. Professor
Contact: +91-7735266465

Chief Patron

Er. Sriram Panda

Chief Executive
MITS Group

Patron

Dr. G.K. Panda

Director
MITS School of Biotechnology

Convenor

Dr. R.R Mishra

Head
Dept. of Biotechnology

Coordinator

Dr.Satyananda Patel

Assoc. Professor
Dept. of Biotechnology

Advisory Committee

Dr. Manisha Pattnaik

Dept. of Biotechnology

Mr. S. Parida

Dept. of Biotechnology

Dr. Smaranika Sahoo

Dept. of Biotechnology

A ONE DAY SEMINAR ON



" WOMENS IN AGRICULTURE ENTREPRENEURSHIP IN INDIA "

Programme Schedule:
12/12/22



Organized By:

मिटस जैव प्रौद्योगिकी संस्थान
MITS SCHOOL OF BIOTECHNOLOGY

Venue:

2(P), Infocity, Patia
Bhubaneswar-751024 (Odisha)
Website: msb.ac.in
Email: principal@msb.ac.in

About College

Consistently ranking as the best institute in the eastern part of India, MITS School of Biotechnology (MSB) is a self financing professional organisation that was founded in 2003. The faculty consists of having qualification of PhD, M.Tech as well as experience in both Academics and industrial research, so as the student graduates, who are equally impressive mostly working in leading industries of Biotechnology, Pharma and IT. MSB is considered to be most selective, accepting, growing and proven institute under Utkal University. The institute is located at the prime location of Infocity, Bhubaneswar. This prestigious institute includes popular programs of Biotechnology, Applied Micro Biology and Computer Science.

Courses Offered at MSB

BCA	- 3 Years
B.Sc Biotechnology	- 3 Years
M.Sc Biotechnology	- 2 Years
M.Sc App. Microbiology	- 2 Years

About Programme

Women have always played a crucial role in farming but have often been overlooked or underestimated. However, with the growing recognition of the importance of women's contributions to agriculture, more and more women are taking on leadership roles in the industry. These women are leading the way in sustainable farming practices, advocating for gender equity and empowering other women farmers. With their leadership, women in farming are making significant contributions to the global economy. Agriculture sector employs 80.0 per cent of all economically active women; they comprise 33.0 per cent of the agricultural labour force and 48.0 per cent of self-employed farmers. In India, 85.0 per cent of rural women are engaged in agriculture, yet only about 13.0 per cent own land.



Objective of the Programme

- Recognition of women as farmers.
- Government's support to women agripreneurs through pro-women scheme.
- Incentives to women entrepreneurs for entry into MSME sector
- Encouraging women to participate in national and international level trades/ fairs/ exhibitions.
- Special provision for women entrepreneurs in export.
- Easy credit facility and access
- Easy access to Mandis and Markets and Family support and encouragement.



Resource Person

Dr.Swati Mishra,

Program Coordinator SDA,Odisha

Dt: 12.12.22

LIST OF PARTICIPANTS

Name of the Programme: One-day Seminar on "WOMEN IN AGRICULTURE ENTREPRENEURSHIP IN INDIA."

SN.	Name of the candidate	Year Branch	Signature
1	BISALAKHI AGASTY	1stYear MSc-BT	Bisalakhi Agasty
2	PRATIKSHYA LENKA	2nd Year MSc-AMB	Pratikshya Lenka
3	ANANYA PANJA	3rd Year BSc-BT	Ananya panja
4	MALABIKA PATTANAİK	1stYear MSc-BT	Malabika Pattnaik
5	SAMEEKSHA JENA	1stYear MSc-BT	Sameeksha Jena
6	SIPRA JENA	1stYear MSc-AMB	Sipra Jena
7	PRITI GHOSH	2nd Year MSc-AMB	Priti Ghosh
8	MONALISA SAMAL	2nd Year MSc-BT	monalisa samal
9	SAGARIKA BEHERA	1stYear MSc-AMB	Sagarika Behera
10	RUTUPARNA SHA	3rd Year BSc-BT	Rutuparna Sha
11	SHRITIKA BAJPAI	2nd Year MSc-BT	Shritika Bajpai
12	ANKITA PADHI	2nd Year MSc-AMB	Ankita Padhi
13	ARPITA PRIYADARSINI	2nd Year MSc-AMB	Arpita Priyadarshini
14	DEEPTIDIPSİKHA SAHOO	3rd Year BSc-BT	Deepdipsikha Sahoo
15	SUBHALAXMI NAYAK	2nd Year MSc-BT	Subhalaxmi Nayak
16	AFREEN JAHAN	3rd Year BSc-BT	Afreen Jahan
17	NABANITA SINGH	1stYear MSc-AMB	Nabanita Singh
18	PAYAL SAHOO	2nd Year MSc-AMB	Payal Sahoo
19	KASTURI PRIYADARSHINI	2nd Year MSc-AMB	Kasturi Priyadarshini
20	TANMAYEE MOHANTA	2nd Year MSc-BT	Tanmayee Mohanta
21	PAYAL GIRI	1st Year MSc-AMB	Payal giri
22	SWATI SWAIN	1st Year MSc-BT	Swati Swain
23	JYOTIRMAYEE SAHOO	1st Year MSc-AMB	Jyotirmayee saho
24	BISALAKHI AGASTY	2nd Year MSc-BT	Bisalakhi Agasty
25	TANUSHREE PRADHAN	2nd Year MSc-BT	tanushree pradhan
26	ASHMINI PADHI	2nd Year MSc-AMB	Ashmini Padhi
27	AMISHA DAS	1st Year MSc-AMB	Amisha Das
28	AMISHA DAS	1st Year MSc-AMB	Amisha das


COORDINATOR


DIRECTOR
Director
MITS School of Biotechnology
Bhubaneswar

PROGRAMME REPORT

13/12/2022

Programme Name	A One Day Seminar On "Women's in Agriculture Entrepreneurship in India"
Date of Activity:	12/12//2022
Resource Person:	Dr. Swati Mishra Odisha Skill Development Authority Contact No: 9474747570 Email: swati.mishra123@gmail.com
Organised By:	MITS School of Biotechnology
Venue:	Dept. Biotechnology, MSB, Bhubaneswar

Objective of the program

Agro entrepreneurship solves the following problems: Assures employment opportunities especially to rural people. Reduced migration of youths from rural to urban. Increased economy rate. Reduced industrial development. The main objective of this seminar is to make the student aware about the Protection the economic viability of farming operations. Provide sufficient financial reward to the farmer to enable continued production and contribute to the well-being of the community.

Topic Covered

Theme 1: Agri-entrepreneurship and need and importance of agri-entrepreneurship

Theme 2: Entrepreneurial skills and characteristics for agri-entrepreneurship

Theme 3: Entrepreneurship development opportunities in agriculture

Outcome of the program

- Students will know how the agri-entrepreneurship is the call of hours to make agriculture a more attractive and profitable business enterprise.
- Students also will acquire knowledge on how agriculture and domestic businesses provide about 50% of employment in half of all jobs in developing countries (World Bank, 2012) but do not produce adequate income to raise people out of poverty. Thus, entrepreneurial actions associated with agriculture generate a solution for growing household incomes.

No. of Participants: 19



Resource Person **Dr. Swati Mishra** delivering a talk on “**Womens In Agriculture Entrepreneurship in India**” at MSB, BBSR on **12 December 2022**.


Coordinator


DIRECTOR
Director
MITS School of Biotechnology
Bhubaneswar

06/02/2023

CIRCULAR

This is to inform you that Dept. Biotechnology, MITS School of Biotechnology, Bhubaneswar, Odisha is going to organise "*A One Day Workshop on RT-PCR*" on 16th February 2023. Interested students shall register their names at the office of the coordinator on or before 4PM, 15th February, 2022.




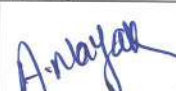
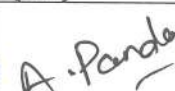
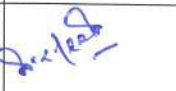
Venue of the programme: Dept. Biotechnology, MITS School of Biotechnology

Coordinator: **Dr. Satyananda Patel**
Associate Professor
Department of Biotechnology
MITS School of Biotechnology



DIRECTOR

Director
MITS School of Biotechnology
Bhubaneswar

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CE: For information					

REGISTRATION FORM

Name.....

Course Yr(1/2/3)

Roll No.....

Institution.....

Address for Communication:

Mobile.....

Email.....

Signature

Application to be submitted online in the above format along with the scanned copy of the registration form.

Last Date of Registration: 15.02.2023

Email: satyanandapatel@gmail.com

Address for Communication

Dr. Satyananda Patel

Coordinator

Contact: +91-7735266465

Chief Patron

Er. Sriram Panda

Chief Executive

MITS Group

Patron

Dr. G.K. Panda

Director

MITS School of Biotechnology

Convenor

Dr. R.R. Mishra

Head

Dept. of Biotechnology

Coordinator

Dr. Satyananda Patel

Assoc. Professor

Dept. of Biotechnology

Advisory Committee

Prof. S. Parida

Dept. of Biotechnology

Dr. Mousumi Mishra

Dept. of Biotechnology

Dr. Smaranika Sahoo

Dept. of Biotechnology

A

ONE DAY WORKSHOP ON



**“RT-PCR
(REAL-TIME REVERSE TRANSCRIPTION-
POLYMERASE CHAIN REACTION)”**

Programme Schedule :

16/02/23



Organized By:

**मिट्स जैव प्रौद्योगिकी संस्थान
MITS SCHOOL OF BIOTECHNOLOGY**

Venue:

2(P), Infocity, Patia
Bhubaneswar-751024 (Odisha)

Website: msb.ac.in

Email: principal@msb.ac.in

About College

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Courses Offered at MSB

BCA	- 3 Years
B.Sc Biotechnology	- 3 Years
M.Sc Biotechnology	- 2 Years
M.Sc App. Microbiology	- 2 Years

About Programme

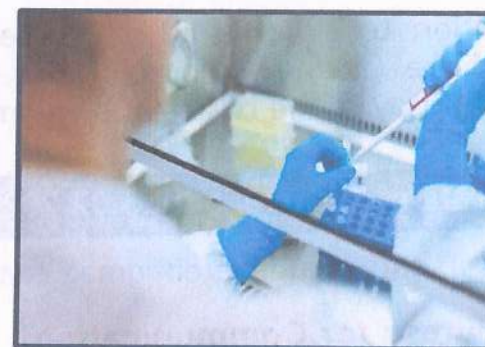
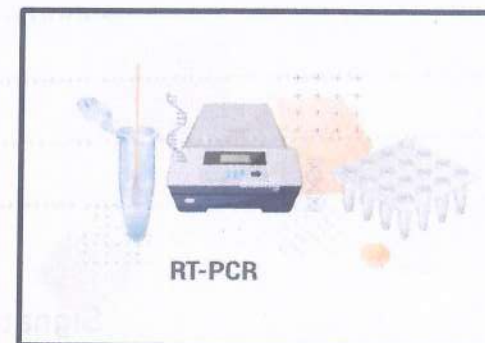
Reverse transcription-polymerase chain reaction (RT-PCR) is a relatively simple and inexpensive technique to determine the expression level of target genes and is widely used in biomedical science research including nano toxicology studies for semi quantitative analysis. Real-time PCR allows for the detection of PCR amplification in the exponential growth phase of the reaction and is much more quantitative than traditional RT-PCR. Compared to the two other commonly used techniques for quantifying mRNA levels, Northern blot analysis and RNase protection assay, RT-PCR can be used to quantify mRNA levels from much smaller samples. In fact, this technique is sensitive enough to enable quantization of RNA from a single cell. It used for rapid diagnosis of much viral disease like Covid-19, Dengue, HIV etc.



Objective of the Programme

The workshop was conducted with the following objectives:

- To understand the working principle of RT-PCR
- Isolation of RNA
- Purification of RNA using RNA purification column
- Preparation of Master mix and loading of sample
- C Value analysis using the PCR-Curve



Resource Person
Prof. T.C. Kar
Berhampur University

Date: 16.02.2023

LIST OF PARTICIPANTS

Name of the Programme: "One-day Workshop on" RT PCR"

SN.	Name of the candidate	Name of Institution	Signature
1	SOMYASASWATI BETAL	2nd Year MSc-BT	Somyasaswati Betal
2	SUBHASHREE PRADHAN	1st Year MSc-AMB	Subhashree Pradhan.
3	ALISHA SAHOO	2nd Year MSc-BT	Alisha Sahoo
4	BEDANANDA SUTAR	1st Year MSC-BT	Bedananda Sutar
5	BISALAKHI Agasty	2nd Year MSc-BT	Bisalakhi Agasty
6	BISMAYA KUMAR DASH	2nd Year MSc-AMB	Bismaya Kumar Dash
7	BISWAJIT PADHY	2nd Year MSc-BT	Biswajit padhy.
8	NEHA SINHA	1st Year MSC-BT	Neha sinha
9	NIKIPRITAM SAHOO	2nd Year MSc-AMB	Nikipritam Sahoo
10	JYOTIRMAYEE SAHOO	1st Year MSc-AMB	Jyotirmayee Sahoo
11	LAXITA SWAIN	1st Year MSC-BT	Laxita Swain
12	LAXMIPRIYA BISWAL	2nd Year MSc-AMB	Laxmipriya Biswal
13	GALI JHANSI REDDY	1st Year MSc-AMB	Gali Jhansi Reddy
14	GOURAB KUMAR NAIK	1st Year MSC-BT	Gourab Kumar Naik
15	OMM PATI	1st Year MSc-AMB	Omm Pati
16	GOURAHARI DAS	1st Year MSc-AMB	Gourahari Das.
17	HAJRA BIBI	1st Year MSC-BT	Hajra bibi
18	IPSITA PANI	2nd Year MSc-AMB	Ipsita Pani
19	NANDITA SAMAL	1st Year MSc-AMB	Nandita Samal.
20	MALABIKA PATTANAIK	2nd Year MSc-BT	Malabika Pattanaik
21	MIXCHI NAYAK	2nd Year MSc-BT	Mixchi Nayak
22	NABANITA SINGH	2nd Year MSc-AMB	Nabanita Singh
23	PAYAL GIRI	1st Year MSc-AMB	Payal Giri
24	PRADYUMNA SAHOO	2nd Year MSc-AMB	Pradyumna Sahoo
25	PRAVASINI JENA	2nd Year MSc-AMB	Pravasini Jena
26	PURNOPAMA ROY	2nd Year MSc-BT	Purnopama Roy
27	RAJALAXMI DASH	2nd Year MSc-BT	Rajalaxmi Dash
28	SATYAJIT NATH	3rd Year MSC-BT	Satyajit Nath
29	SHRUTI S. PRADHAN	2nd Year MSc-AMB	Shruti S. Pradham
30	SIPRA JENA	2nd Year MSc-AMB	Sipra Jena.
31	SMARANIKA RATH	2nd Year MSc-BT	Smaranika Rath
32	SNIGDHA RANI DAS	2nd Year MSc-BT	Snigdha Rani Das


COORDINATOR


DIRECTOR
Director
MITS School of Biotechnology
Bhubaneswar

PROGRAMME REPORT

17/02/2023

Programme Name	A One Day Workshop on RT-PCR
Date of Activity:	16/02//2023
Resource Person:	Dr. T. C. Kar Utkal University, Bhubaneswar Contact No: 9378767560 Email: tc.kar@gmail.com
Organised By:	MITS School of Biotechnology
Venue:	Dept. Biotechnology, MSB, Bhubaneswar

Objective of the program

The basic goal of real-time PCR is to precisely distinguish and measure specific nucleic acid sequences in a sample even if there is only a very small quantity. Real-time PCR amplifies a specific target sequence in a sample then monitors the amplification progress using fluorescent technology.

Topic Covered

Theme 1: lecture and hands-on laboratory experience using qPCR methods

Theme 2: introduce a basic concept of qPCR and the analysis

Theme 3: the fundamentals of cDNA synthesis, quality controls in qPCR

Theme 4: application of qPCR in research

Outcome of the program

- Students will experience extracting RNA from blood and cells, performing RNA QC, converting RNA to cDNA, optimizing a qPCR reaction, assessing primers efficiency and determining expression level of their genes of interest.
- Clients will gain experience using DNA binding dyes chemistries. Lectures will include an overview of RNA extraction, gene expression, assay design and optimization, template preparation, analysis of results, additional applications of real-time PCR technology, and many more.
- Data analysis and simple statistical test will be included and will produce publication-ready figures.

No. of Participants: 32



On behalf of **Prof T.C.Kara** (resource person) **Dr. S.N. Patel** delivering a talk On “**RT PCR**” at **MIT S School of Biotechnology** on **16.02.23**


Coordinator


DIRECTOR

15/02/2023

CIRCULAR

This is to inform you that Dept. Biotechnology, MITS School of Biotechnology, Bhubaneswar, Odisha is going to organise "**A One Day Workshop on Cyber Security and Computer Hardware**" on 25th February 2023. Interested students shall register their names at the office of the coordinator on or before 4PM, 24th October, 2022.







Venue of the programme: Dept. Biotechnology, MITS School of Biotechnology

Coordinator: **Mr. Bibhudatta Tripathy**
Assistant Professor
Department of Computer Science
MITS School of Biotechnology



DIRECTOR

Director
MITS School of Biotechnology
Bhubaneswar

HOD-BIO	HOD-COMP	DO	Warden (BH)	Warden (GH)	LIBRARIAN
					
CE: For information					

REGISTRATION FORM

Name.....

CourseYr(1/2/3)

Roll No.....

Institution.....

Address for Communication:

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Mobile.....

Email.....

Signature

Application to be submitted online in the above format along with the scanned copy of the registration form.

Last Date of Registration: 24.02.2023

Email: dattabibhu@gmail.com

Address for Communication

Mr. Bibhudatta Tripathy

Department of Comp.Science

Contact: +91-8249624327

Chief Patron

Er. Sriram Panda

Chief Executive
MITS Group

Patron

Dr. G.K. Panda

Director
MITS School of Biotechnology

Convenor

Dr. Tapaswini Nayak

Head
Dept. of Computer Science

Coordinator

Mr. Bibhudatta Tripathy

Asst Professor
Dept. of Computer Science

Advisory Committee

Prof. Chhabi Sethi

Dept. of Computer Science

Prof. Kabita Sahoo

Dept. of Computer Science

Prof. R. Behera

Dept. of Computer Science

A

ONE DAY WORKSHOP ON



“CYBER SECURITY AND COMPUTER HARDWARE”

Programme Schedule:
25-02-2023



Organized By:

मिट्स जैव प्रौद्योगिकी संस्थान
MITS SCHOOL OF BIOTECHNOLOGY

Venue:

2(P), Infocity, Patia
Bhubaneswar-751024 (Odisha)
Website: msb.ac.in
Email: principal@msb.ac.in

About College

Consistently ranking as the best institute in the eastern part of India, MITS School of Biotechnology (MSB) is a self financing professional organisation that was founded in 2003. The faculty consists of having qualification of PhD, M.Tech as well as experience in both Academics and industrial research, so as the student graduates, who are equally impressive mostly working in leading industries of Biotechnology, Pharma and IT. MSB is considered to be most selective, accepting, growing and proven institute under Utkal University. The institute is located at the prime location of Infocity, Bhubaneswar. This prestigious institute includes popular programs of Biotechnology, Applied Micro Biology and Computer Science.

Courses Offered at MSB

BCA	- 3 Years
B.Sc Biotechnology	- 3 Years
M.Sc Biotechnology	- 2 Years
M.Sc App. Microbiology	- 2 Years

About Programme

The term hardware security also refers to the protection of physical systems from harm. Equipment destruction attacks, for example, focus on computing devices and networked noncomputing devices, such as those found in machine-to-machine or internet of things (IoT) environments. These environments provide connectivity and communications to large numbers of hardware devices that must be protected through either hardware- or software-based security. Cybersecurity is the practice of protecting systems, networks, and programs from digital attacks. These cyber attacks are usually aimed at accessing, changing, or destroying sensitive information.



www.msb.ac.in

Objective of the Programme

The objective of Cybersecurity is to protect information from being stolen, compromised or attacked. Cybersecurity can be measured by at least one of three goals-

- Protect the confidentiality of data.
- Preserve the integrity of data.
- Promote the availability of data for authorized users.
- Knowledge on Equipment destruction attacks, for example, focus on computing devices and networked noncomputing devices.



Resource Person

Mr. Dhaneswar Pradhan
Ex-Banker, PNB
Chandrasekharpur
Bhubaneswar

Date: 25/02/2023

LIST OF PARTICIPANTS

Name of the Programme: One-day Workshop on "CYBER SECURITY AND COMPUTER HARDWARE."

SN.	Name of the candidate	Year Branch	Signature
1	SATYAJEET PANDA	3rd Year BSc-BCA	Satyajeet Panda
2	JIGYANSHU NAYAK	3rd Year BSc-BCA	Jigyanshu Nayak
3	ZAID HASSMI	3rd Year BSc-BCA	Zaid Hassmi
4	AMAN PATRA	3rd Year BSc-BCA	Aman Patra
5	ITISHREE ROUT	3rd Year BSc-BCA	Itishree Rout
6	NITISH KUMAR	3rd Year BSc-BCA	Nitish Kumar
7	PRASAD KUMAR BHOKTA	3rd Year BSc-BCA	Prasad Kumar Bhokta
8	PRANATI PAL	3rd Year BSc-BCA	Pranati Pal
9	RAJKISHORE JENA	3rd Year BSc-BCA	Rajkishore Jena
10	SONMAYEE NAYAK	3rd Year BSc-BCA	Sonmayee Nayak
11	CHINMAYA SAHOO	3rd Year BSc-BCA	Chinmaya Sahoo
12	SHISHIR KUMAR BARIK	3rd Year BSc-BCA	Shishir Kumar Barik
13	SHREEMAN SWAGAT	3rd Year BSc-BCA	Shreeman Swagat
14	SHIVANANDA MOHAPATRA	3rd Year BSc-BCA	Shivananda Mohapatra
15	HIMANSHU SEKHAR DAS	3rd Year BSc-BCA	Himanshu Sekhar Das
16	ABHISHEK NAYAK	3rd Year BSc-BCA	ABHISHEK NAYAK
17	ARCHITA BARAL	3rd Year BSc-BCA	Archita Baral
18	B ARPAN	3rd Year BSc-BCA	B. Arpan
19	RAVIKANT PANDEY	3rd Year BSc-BCA	Ravikant Pandey
20	SNEHANJALI BARIK	3rd Year BSc-BCA	Snehanjali Barik
21	SIDHARTH KANUNGO	3rd Year BSc-BCA	Sidharth Kanungo
22	SONALI NAYAK	3rd Year BSc-BCA	Sonali Nayak
23	LOKESH GOUNDER	3rd Year BSc-BCA	Lokesh Gounder
24	N ANAND REDDY	3rd Year BSc-BCA	N. Anand Reddy
25	ASHUTOSH MOHARANA	3rd Year BSc-BCA	Asutosh Moharana
26	MAHARAJA ASUTOSH MOHANTY	3rd Year BSc-BCA	Maharaja Asutosh Mohanty
27	SUNIL JENA	3rd Year BSc-BCA	Sunil Jena
28	PABITRA KUMAR DAS	3rd Year BSc-BCA	Pabitra Kumar Das
29	SOUMYASHREE BISWAL	3rd Year BSc-BCA	Soumyashree Biswal
30	SMRUTI RANJAN SAHOO	3rd Year BSc-BCA	Smruti Ranjan Sahoo
31	N ANAND REDDY	3rd Year BSc-BCA	N anand Reddy


COORDINATOR


DIRECTOR
Director

PROGRAMME REPORT

26/02/2023

Programme Name	One Day Workshop On Cyber security and Computer Hardware
Date of Activity:	25/02//2023
Resource Person:	Mr. Dhaneswar Pradhan Ex. Banker, PNB, CSP, BBSR Utkal University, Bhubaneswar Contact No: 9474767576 Email: dhaneswar23@gmail.com
Organised By:	MITS School of Biotechnology
Venue:	Dept. Biotechnology, MSB, Bhubaneswar

Objective of the program

Cybersecurity is the protection to defend internet-connected devices and services from malicious attacks by hackers, spammers, and cybercriminals. The practice is used by companies to protect against phishing schemes, ransom ware attacks, identity theft, data breaches, and financial losses. The main objective of this research is to develop a cybersecurity awareness and training framework to support organizations in enriching and training their employees to secure the information and overall system of the organization

Topic Covered

Theme 1: policy/regulatory constraints/ considerations for cyber security

Theme 2: Determine roles and responsibilities. Determine model for cyber security

Theme 3: Develop and document strategy based upon the models, needs assessment gaps.

Outcome of the program

- Students will assess and explore the cybersecurity awareness level among college students by concentrating on several safety factors for the use of the Internet.
- Students can investigate and analyze the security knowledge and skills regarding information security and cybercrime using multiple statistical tests.
- We theoretically constructed approaches to enhance cybersecurity awareness among students and enlighten students about the hazards and challenges prevailing in computer networks.
- We suggest the best security measures and procedures based on the gap observed in the current state-of-the-art methods to handle incidents correctly and efficiently and embed security culture into the college environment

No. of Participants: 31



Resource Person Mr Dhaneswar Pradhan delivering a talk on “Cyber security and Computer Hardware” at MSB, BBSR on 25 Feb 2023.

BM

Coordinator

Cope
DIRECTOR

Director
MITS School of Biotechnology
Bhubaneswar

30/03/23

CIRCULAR

This is to inform you that Dept. Biotechnology, MITS School of Biotechnology, Bhubaneswar, Odisha is going to organise "*A One Day Workshop on Intellectual Property Rights and Innovations in Biotechnology*" on 9th April, 2023. Interested students shall register their names at the office of the coordinator on or before 4PM, 8th April, 2023.







Venue of the programme: Dept. Biotechnology, MITS School of Biotechnology

Coordinator: **Dr. Satyananda Patel**
Associate Professor
Department of Biotechnology
MITS School of Biotechnology



DIRECTOR

Director
MITS School of Biotechnology
Bhubaneswar

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CE: For information					

Date: 09/04/2023

LIST OF PARTICIPANTS

Name of the Programme: One-day ~~workshop~~ on "INTELLECTUAL PROPERTY RIGHTS AND INNOVATIONS IN BIOTECHNOLOGY."

SL. NO	Name of the Participant	Year Branch	Signature
1	PRAJNA PRIYADARSHINEE DHAL	1 ST YR MSc-BT	Prajna Priyadarshinee Dhal
2	KISHAN KUMAR DAS	2 nd YR MSc-BT	Kishan Kumar Das
3	SOOSRI SUNANDA SWAIN	2 nd YR MSc-BT	Soosri Sunanda Swain
4	BHAGYASHREE PRUSTY	1 ST YR MSc-AMB	Bhagyaashree Prusty
5	KADAMBINI PANIGRAHI	2 nd YR MSc-AMB	Kadambini Panigrahi
6	SAIKH MD AWESH AZAM	2 nd YR MSc-BT	Saikh Md. Awesh Azam
7	LIPSA SAMAL	1 ST YR MSc-AMB	Lipsa Samal
8	SUSHREE SAMIKSHYA DAS	1 ST YR MSc-BT	Sushree Samikshya Das
9	ABHISEK MOHAPATRA	1 ST YR MSc-BT	Abhisek Mohapatra
10	SONALIKA MOHAPATRA	1 ST YR MSc-AMB	Sonalika Mohapatra
11	SUSMITA PRIYADASINEE PANDA	1 ST YR MSc-BT	Susmita Priyadasinee Panda
12	PRAVASINI JENA	1 ST YR MSc-AMB	Pravasini Jena
13	KAJAL SAHOO	2 nd YR MSc-AMB	Kajal Sahoo
14	SHWETA PRAVA DHAL	1 ST YR MSc-BT	Shweta Prava Dhal
15	MONALISA SAMAL	2 nd YR MSc-BT	Monalisa Samal
16	SAMIKSHYA PRIYADARSHINI SAMAL	1 ST YR MSc-BT	Samikshya Priyadarshini Samal
17	SONALIKA NAYAK	1 ST YR MSc-AMB	Sonalika Nayak
18	PRAMOD KUMAR	2 nd YR MSc-BT	Pramod Kumar
19	LIPSITA ARUK	2 nd YR MSc-BT	Lipsita Aruk
20	AVINAV MAHARANA	1 ST YR MSc-AMB	Avinav Maharana
21	SHASWOTEE LENKA	2 nd YR MSc-AMB	Shaswotee Lenka
22	ADYA SRABANI PARIDA	1 ST YR MSc-AMB	Adya Srabani Parida
23	MONALISHA BISWAL	2 nd YR MSc-BT	Monalisha Biswal
24	NEHA SINHA	1 ST YR MSc-AMB	Neha Sinha
25	BISMAYA KUMAR DASH	1 ST YR MSc-AMB	Bismaya Kumar Dash
26	SUBHADRA PALAI	2 nd YR MSc-AMB	Subhadra Palai
27	RIMA DEY	2 nd YR MSc-AMB	Rima Dey
28	LALIT KUMAR DASH	2 nd YR MSc-AMB	Lalit Kumar Dash
29	TANUSHREE PRADHAN	1 ST YR MSc-BT	Tanushree Pradhan
30	PRIYANKA DAS	1 ST YR MSc-AMB	Priyanka Das
31	RAJALAXMI DASH	1 ST YR MSc-BT	Rajalaxmi Dash
32	PRIYANKA PRUSTY	1 ST YR MSc-BT	Priyanka Prusty
33	BISWAJIT PADHY	1 ST YR MSc-BT	Biswajit Padhy
34	AAISHMA MEHER	2 nd YR MSc-BT	Aaishma Meher


COORDINATOR


DIRECTOR
Director
MITS School of Biotechnology
Bhubaneswar

REGISTRATION FORM

Name.....

CourseYr(1/2/3)

Roll No.....

Institution.....

Address for Communication:

.....

.....

.....

Mobile.....

Email.....

Signature

Application to be submitted online in the above format along with the scanned copy of the registration form.

Last Date of Registration: 21.02.2022

Email: satyanandapatel@gmail.com

Address for Communication

Dr. Satyananda Patel

Assoc. Professor, Dept of Biotech.

Contact: +91-7735266465

Chief Patron

Er. Sriram Panda

Chief Executive

MITS Group

Patron

Dr. G.K. Panda

Director

MITS School of Biotechnology

Convenor

Dr. Rashmi Ranjan Mishra

Head

Dept. of Biotechnology

Coordinator

Dr. Satyananda Patel

Assoc. Professor

Dept. of Biotechnology

Advisory Committee

Dr. Mousumi Mishra

Dept. of Biotechnology

Dr. T.C Kar

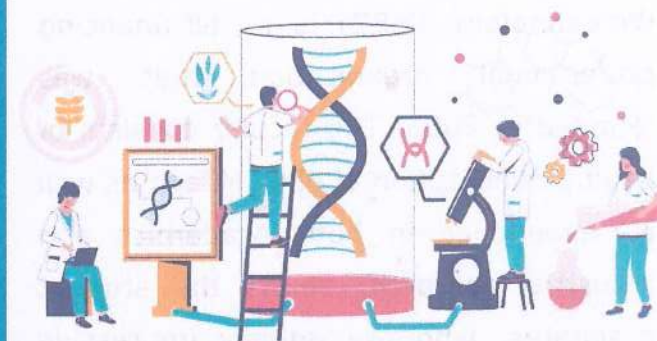
Dept. of Biotechnology

Dr. Manisha Pattnaik

Dept. of Biotechnology

A

ONE DAY WORKSHOP ON



"INTELLECTUAL PROPERTY RIGHTS AND INNOVATIONS IN BIOTECHNOLOGY"

Programme Schedule:
09-04-2023



Organized By:

मिट्स जैव प्रौद्योगिकी संस्थान
MITS SCHOOL OF BIOTECHNOLOGY

Venue:

2(P), Infocity, Patia
Bhubaneswar-751024 (Odisha)

Website: msb.ac.in

Email: principal@msb.ac.in

About College

Consistently ranking as the best institute in the eastern part of India, MITS School of Biotechnology (MSB) is a self-financing professional organization that was founded in 2003. The faculty consists of having qualification of PhD, MTech as well as experience in both Academics and industrial research, so as the student graduates, who are equally impressive mostly working in leading industries of Biotechnology, Pharma and IT. MSB is most selective, accepting, growing and proven institute under Utkal University. The institute is located at the prime location of Infocity, Bhubaneswar. This prestigious institute includes popular programs of Biotechnology, Applied Microbiology and Computer Science.

Courses Offered at MSB

BCA	- 3 Years
B.Sc Biotechnology	- 3 Years
M.Sc Biotechnology	- 2 Years
M.Sc App. Microbiology	- 2 Years

About Programme

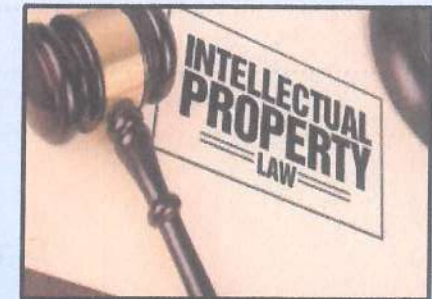
Intellectual property protection for biotechnology is currently in a state of flux. Whilst it used to be the case that living organisms were largely excluded from protection, attitudes are now changing and increasingly biotechnology is receiving some form of protection. There is now no clear international consensus on how biotechnology should be treated. Although bodies such as the World Intellectual Property Organization (WIPO, the United Nations permanent body primarily responsible for international cooperation in intellectual property), and the Organization for Economic Cooperation and Development (OECD) have conducted separate studies and produced various reports, these have only sought to make governments more aware of the potential problems. The present seminar will highlight on IRR related to biotechnology research.



Objective of the Programme

The seminar is conducted with the following objectives:

- Types of IP used in biotechnology.
- The role of intellectual property rights in the biotech industry
- The rights and protection granted by each type of IP.
- What are the innovations taken place in Biotechnology Research.



Resource Person

Dr. Santosh Kumar
Asst. Professor
KIIT University

PROGRAMME REPORT

10/04/2023

Programme Name	One Day Workshop on intellectual Property Rights and Innovations in Biotechnology
Date of Activity:	09/04//2023
Resource Person:	Dr. Santosh Kumar , Assistant Professor, Dept. Of Biotechnology, KIIT University, BBSR. Contact No: 08017161459 Email:santosh.kumar@kiitbiotech.ac.in
Organised By:	MITS School of Biotechnology
Venue:	Dept. Biotechnology, MSB, Bhubaneswar

Objective of the program

- To provide attendees with a clear understanding of intellectual property rights, including patents, trademarks, copyrights, and trade secrets, and how they apply to biotechnology innovations.
- Emphasize the significance of intellectual property in driving innovation and investment within the biotechnology sector. Explain how IP protection can incentivize research and development.
- Present recent innovations in biotechnology and the role that IP protection has played in bringing these innovations to market. This can include case studies and real-world examples.

Topic Covered

Theme 1: Patent Strategies in Biotechnology:

Theme 2: Emerging Biotech Innovations:

Theme 3 Biotechnology Startups and IP

Theme 4: Ethical Considerations in Biotech IP

Outcome of the program

- Participants gained deeper understanding of intellectual property rights, including patents, copyrights, trademarks, and trade secrets, and their relevance to the biotechnology field.
- Increased awareness of how strong IP protection can incentivize and promote innovation in biotechnology, encouraging more research and development activities.
- A greater awareness of the ethical considerations related to biotechnology and IP, fostering discussions about responsible research and equitable access to innovations.

No. of Participants: 34



Resource Person **Dr. Santosh Kumar** delivering a talk on “**intellectual property rights and innovations in Biotechnology**” at MSB, BBSR on **09.04.2023**.


Coordinator


DIRECTOR
MITS School of Biotechnology
Bhubaneswar