

LIST OF SEMINARS/WORKSHOPS

A.Y. 2019-20

SN	Name of the Program	Date	No. of Participants	Details of the Resource Person
1	A One Day Workshop on "Recent Research Tools and Techniques used in Bioinformatics"	15/07/2019	29	Dr. Satyananda Patel Research Scientist, AIPH, Bhubaneswar Contact No: 7735266465 Email: satyanandapatel@gmail.com
2	A One Day Seminar on "Young Entrepreneur to Startup Biotechnology Industry"	17/08/2019	29	Dr. Diptipriya Sethi Research Associate, IMMT, BBSR Contact No: 9938488500 Email: diptipriya123@gmail.com
3	A One Day Workshop on "Recent Research Tools used for Data Analysis"	27/09/2019	29	Mr. Biswajit Das, Research Coordinator KIIT University, Bhubaneswar Contact No: 8250785431 Email: Biswajit.4.biology@gmail.com
4	A One Day Seminar on "Ethics in Animal Biotechnology Research"	13/12/2019	26	Mr. Sabyasachi Parida, Asst. Prof. Dept. Biotech., MPC Autonomous College, Baripada Contact No: 7978286156 Email: s.parida@gmail.com
5	A One Day Workshop on "Patent Rights and Patent Filing"	02/01/2020	29	Dr. Diptipriya Sethi Research Associate CSIR-IMMT, Bhubaneswar Contact no.9938488500 Email:dipti.priya123@gmail.com
6	A One Day Workshop on "How to Become Independent Entrepreneur"	23/01/2020	29	Dr. Debeeprasad Sahoo Postdoctoral Fellow, Instituto De Biotechnologia, University of Mexico Contact no. 9678336213 Email:sahoodebiprasad@gmail.com
7	A One Day Seminar on "Research Methodology for Small and Large Scale Data Analysis"	07/03/2020	26	Dr. Satyananda Patel Research Scientist, AIPH, Bhubaneswar Contact No: 7735266465 Email: satyanandapatel@gmail.com
8	A One Day Workshop on "Entrepreneurship and Startups for Biotechnology Students"	12/03/2020	34	Dr. Dhiraj Nanda Asst. Prof, AIPH, Bhubaneswar Contact. No: 9996303557 Email: dnanda@aiph.ac.in



DIRECTOR

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Bhubaneswar

2(P), Infocity, Patia, Bhubaneswar
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APPROVED BY DHE, GOVT. OF ODISHA & AFFILIATED TO UTKAL UNIVERSITY

Dt: 06/07/2019

CIRCULAR

This is to inform you that Dept. Biotechnology, MITS School of Biotechnology, Bhubaneswar, Odisha is going to organise **"A One Day Workshop on Recent Research Tools and Techniques used in Bioinformatics"** on 15th July 2019. Interested students shall register their names at the office of the coordinator on or before 4PM, 14th July 2019.



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

Coordinator : **Dr. Rashmi Ranjan Mishra**
Associate Professor
Department of Biotechnology
MITS School of Biotechnology



DIRECTOR

Director
MITS School of Biotechnology
Bhubaneswar

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		J. M.	A. Nayak	S. Singh	Alex
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: 14.07.2019

Email: rashmيرانjan93@gmail.com

Address for Communication

Dr.R.R Mishra

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. Swati Mishra

Asst Professor
Dept. of Biotechnology

Coordinator

Dr. R.R Mishra

Head
Dept. of Biotechnology

Advisory Committee

Prof. Mousumi Mishra

Dept. of Biotechnology

Prof. Manisha Pattnaik

Dept. of Biotechnology

Prof.Siddharth Parida

Dept. of Biotechnology

A ONE DAY WORKSHOP ON



**" RECENT RESEARCH TOOLS
AND TECHNIQUES USED IN
BIOINFORMATICS"**

Programme Schedule:
15/07/2019



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

Bioinformatics tools are software programs that are designed for extracting the meaningful information from the mass of molecular biology / biological databases & to carry out sequence or structural analysis. Factors that must be taken into consideration when designing bioinformatics tools, software and programmes are: Computational, statistical, and computer programming techniques have been used for computer simulation analyses of biological queries. They include reused specific analysis "pipelines", particularly in the field of genomics, such as by the identification of genes and single nucleotide polymorphisms (SNPs).



Objective of the Programme

The fundamental objectives of the program are to discuss the current research tools and software used in bioinformatics research. Bioinformatics research is a very vital part in the life science research. By using the principle and tools of Bioinformatics we can analyze and identify genes and proteins, determine their functions, establish evolutionary relationships and predict their conformation.



Resource Person

Dr Satyananda Patel,
Research Scientist,
Asia Institute of Public Health,
Bhubaneswar

Date: 15-07-19

LIST OF PARTICIPANTS

Name of the Programme: One-day Workshop on "RECENT RESEARCH TOOLS AND TECHNIQUES USED IN BIOINFORMATICS"

SN.	Name of the candidate	Year Branch	Signature
1	SUSHREE SMITAPRANGYA SAMAL	2nd Year MSc-BT	Sushree Smitaprangya Samal
2	SAMEER SOURAV MISHRA	2nd Year MSc-AMB	Sameer Sourav Mishra
3	SILPA MOHANTY	2nd Year MSc-BT	Silpa Mohanty
4	IPSITA SUBUDHI	2nd Year MSc-BT	Ipsita Subudhi
5	MANISHA NANDAN	2nd Year MSc-BT	Manisha Nandan
6	PUSPANJALI SETHI	1st Year MSc-BT	Puspanjali Sethi
7	ABHIPSA SAMAL	2nd Year MSc-AMB	Abhipsa Samal
8	ADITYA GOUDA	2nd Year MSc-BT	Aditya Gouda
9	SHILA PATEL	2nd Year MSc-BT	Shila Patel
10	JYOTI PRAKASH DAS	2nd Year MSc-AMB	Jyoti Prakash Das
11	ANUCHHAYA PATRA	2nd Year MSc-AMB	Anuchhaya Patra
12	PRIYANKA ROUT	2nd Year MSc-BT	Priyanka Rout
13	SWAYAM SARVANI SAHOO	2nd Year MSc-AMB	Swayam Sarvani Sahoo
14	JAGANNATH ROUT	2nd Year MSc-AMB	Jagannath Rout
15	HARIPRIYA PANI	1st Year MSc-BT	Haripriya Pani
16	PRITI KUMARI CHOUDRI	2nd Year MSc-BT	Priti Kumari Choudhri
17	SOUMEN MAJI	2nd Year MSc-AMB	SOUMEN MAJI
18	NIKITA ROUSTRAY	2nd Year MSc-BT	NIKITA ROUSTRAY
19	NAMRATA BANERJEE	2nd Year MSc-AMB	Namrata Banerjee
20	RAZIA PARVEEN	2nd Year MSc-BT	Razia Parveen
21	PRITISHREE RAY	2nd Year MSc-BT	Pritishree Ray
22	SOMYASHREE PATTANAIK	2nd Year MSc-AMB	Somyashree Pattanaiik
23	BAISHALI MAHAPATRA	2nd Year MSc-BT	Baishali Mahapatra
24	TAPAS RANJAN PATRA	3rd Year BSc-BT	Tapas Ranjan Patra
25	SURYA P DIXIT	2nd Year BSc-BT	Surya P Dixit
26	SANKALP KUMAR PADHI	3rd Year BSc-BT	Sankalp Kumar Padhi
27	SHWETA KUMARI ROWLO	3rd Year BSc-BT	Shweta Kumari Rowlo
28	PUSPITA NAYAK	2nd Year BSc-BT	Puspita Nayak
29	DEBESH KUMAR PANDA	1st Year BSc-BT	Debesh Kumar Panda



COORDINATOR



DIRECTOR

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Pin-751024 (Odisha), INDIA

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

16/07/2019

PROGRAMME REPORT

Programme Name	One Day Workshop on Recent Research Tools and Techniques used in Bioinformatics
Date of Activity:	15/07/2019
Resource Person:	Dr. Satyananda Patel Research Scientist, AIPH, Bhubaneswar Contact No: 7735266465 Email: satyanandapatel@gmail.com
Organised By:	MITS School of Biotechnology
Venue:	Dept. Biotechnology, MSB, Bhubaneswar

Objective of the programme

A research not only requires the collection of results and data, but also interpretation of that data is an essential step in fulfilling the objectives of a research. Bioinformatics is a part of computer science which is involved in discoveries related to biological science. Bioinformatics is an emerging field of science which is progressing in every field of life science i.e. biotechnology, molecular biology, agriculture, medicine and other such areas. The present paper highlights the advancement of computer science in uplifting the areas of research related to biological sciences and its contribution in analysis and interpretation of data related to research.

Topic Covered

Theme 1: Basic software used in Bioinformatics

Theme 2: How to analyse more complex biological data using software and algorithms

Theme 3: Search optimization, BLAST search and simulation of Data

Outcome of the programme

- The students learned how to use bioinformatics software
- The students also got knowledge regarding access of data from NCBI
- This workshop also helped the students how to apply bioinformatics tools in Proteomics and genomics research.

No. of Participants: 29



Resource Person Dr. Satyananda Patel Delivering a Talk on topic ***“Recent Research Tools and Techniques used in Bioinformatics”*** MSB, BBSR

Dt: 07/08/2019




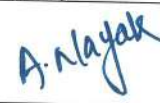
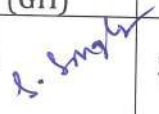

CIRCULAR

This is to inform you that Dept. Biotechnology, MITS School of Biotechnology, Bhubaneswar, Odisha is going to organise **"A One Day Seminar on, Young Entrepreneurs to Startup Biotechnology Industry"** on 17th August 2019. Interested students shall register their names at the office of the coordinator on or before 4PM, 16th August 2019.

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

Coordinator : **Dr. Rashmi Ranjan Mishra**
Associate Professor
Department of Biotechnology
MITS School of Biotechnology


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Director
MITS School of Biotechnology
Bhubaneswar

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

Last Date of Registration: 16.08.2019

Email: rashmيرانjan93@gmail.com

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Dr.R.R Mishra

Head, Department of Biotechnology

Contact: +91-7978528311

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Coordinator

Dr. R.R Mishra
Head
Dept. of Biotechnology

Advisory Committee

Prof. Mousumi Mishra
Dept. of Biotechnology

Dr. Manisha Pattnaik
Dept. of Biotechnology

Dr. Smaranika Sahoo
Dept. Of Biotechnology

A ONE DAY SEMINAR ON



**" YOUNG ENTREPRENEURS TO
STARTUP BIOTECHNOLOGY
INDUSTRY"**

Programme Schedule:
17/08/2019



Organized By:

मिड्स जैव प्रौद्योगिकी संस्थान
MITS SCHOOL OF BIOTECHNOLOGY

Venue:

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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

Starting a company in the industrial biotechnology field requires an entrepreneur to develop varied skills that contribute to its success, such as communication and negotiating skills. Although success is not entirely defined, we often consider a successful startup as one that creates an innovative product, demonstrates its economic viability, and then either sells the product and becomes profitable, or partners with a large company to jointly commercialize the product. At some point in time, this process leads to a so-called liquidity event for the company's shareholders, such as a public listing or acquisition of the startup by another company for cash or shares.



Objective of the Programme

The objective of the program is to make awareness among the students and research scholars about policy and various procedures for moving forward towards Biotechnology startup. The entrepreneurs perceive opportunities, synthesize the available information and analyze emerging patterns that escape the attention of other people.



Resource Person

Dr Diptipriya Sethi,
Research Associate, Institute of
Minerals And Material Technology
Bhubaneswar

Date: 17-08-19

LIST OF PARTICIPANTS

Name of the Programme: One-day Seminar on "YOUNG ENTREPRENEURS TO START-UP BIOTECHNOLOGY INDUSTRY"

SN.	Name of the candidate	Year Branch	Signature
1	SAUMYARANJAN RAY	1st Year MSc-AMB	SAUMYARANJAN RAY
2	SAMEER SOURAV MISHRA	2nd Year MSc-AMB	Sameer Sourav Mishra
3	BIBEKANANDA NAIK	1st Year MSc-AMB	Bibeknanda Naik
4	TANUSHREE BEHERA	2nd Year MSc-BT	Tanushree Behera
5	PUSPANJALI SETHI	1st Year MSc-BT	Puspansjali Sethi
6	IPSITA SUBUDHI	2nd Year MSc-BT	Ipsita Subudhi
7	MANISHA NANDAN	2nd Year MSc-BT	Manisha Nandan
8	ANWESHA JENA	2nd Year MSc-BT	Anwesha Jena
9	ABHIPSA SAMAL	2nd Year MSc-AMB	Abhipsa Samal
10	ADITYA GOUDA	2nd Year MSc-BT	Aditya Gouda
11	SHILA PATEL	2nd Year MSc-BT	Shila Patel
12	PADYASHREE KANUNGO	1st Year MSc-AMB	Padyashree Kanungo
13	SMRUTI SUDHA DAS	1st Year MSc-BT	Smruti Sudha Das
14	SWATIKIRAN SAHU	1st Year MSc-BT	Swatikiran Sahu
15	JYOTI PRAKASH DAS	2nd Year MSc-AMB	Jyoti Prakash Das
16	ANUCHHAYA PATRA	2nd Year MSc-AMB	Anuchhaya Patra
17	PRIYANKA ROUT	2nd Year MSc-BT	Priyanka Rout
18	NISHAT FATIMA	1st Year MSc-BT	Nishatfatima
19	SWAYAM SARVANI SAHOO	2nd Year MSc-AMB	Swayam Sarvani Sahoo
20	HARIPRIYA PANI	1st Year MSc-BT	HARIPRIYA PANI
21	P. MANISHA	1st Year MSc-AMB	P. Manisha
22	MANAS RANJAN SAMAL	1st Year MSc-AMB	Manas ranjan samal
23	JAGANNATH ROUT	2nd Year MSc-AMB	Jagannath Rout
24	NAMRATA BANERJEE	1st Year MSc-AMB	Namrutee Banerjee
25	ARPITA DAS	1st Year MSc-BT	Arpita Das
26	MAMTA MAHATO	1st Year MSc-BT	Mamta Mahato
27	MANISHA JENA	2nd Year MSc-BT	Manisha Jena
28	DIBYA BHARATI PADHI	1st Year MSc-BT	Dibya Bharati Padhi
29	DEBESH KUMAR PANDA	1st Year MSc-BT	Debesh Kumar Panda



COORDINATOR



DIRECTOR

MITS School of Biotechnology
Bhubaneswar

PROGRAMME REPORT

18/08/2019

Programme Name	One Day Seminar on Young Entrepreneurs to Startup Biotechnology Industry
Date of Activity:	17/08/2019
Resource Person:	Dr. Diptipriya Sethi Research Associate, IMMT, Bhubaneswar Contact No: 9938488500 Email: diptipriya123@gmail.com
Organised By:	MIT School of Biotechnology
Venue:	Dept. Biotechnology, MSB, Bhubaneswar

Objective of the programme

Biotechnology is a prominent knowledge-intensive industry in India today. It has significant potential to play a pivotal role in the rapid economic development of the country. With India ranking among the top 12 biotechnology destinations globally and second in Asia after China; India is ready to leverage this advantage to be an important player in the global context. Creation of enterprises based on biotechnology innovations - Bio entrepreneurship' is pitched to be one of the key drivers leading to job creation, improved productivity, increased prosperity, and a better quality of life. It provides immense opportunities for strengthening economy through innovative technologies in the area of food security, healthcare, clean energy and environmental issues.

Topic Covered

Theme 1: Knowledge about various Biotechnology industries in India

Theme 2: Policy and issues to start up Biotechnology Industry

Theme 3: Financial help from different Govt. Sources like MSME, Skill India.

Outcome of the programme

- The students learned how to start an industry.
- Students were aware about Indian start up policy and financial provision for start up.
- The students learned how to approach Government for any start up.

No. of Participants: 34



Resource Person Dr. Diptipriya Sethi Delivering a Talk on the topic ***“Young Entrepreneurs to start up Biotechnology Industry”*** at MSB, BBSR.


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Director
MITS School of Biotechnology
Bhubaneswar

Dt: 17/09/2019

CIRCULAR





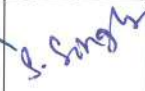

This is to inform you that Dept. Biotechnology, MITS School of Biotechnology, Bhubaneswar, Odisha is going to organise **"A One Day Workshop on Recent Research Tools used for Data Analysis"** on 27th September 2019. Interested students shall register their names at the office of the coordinator on or before 4PM, 26th September 2019.

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

Coordinator : **Dr. Rashmi Ranjan Mishra**
Associate Professor
Department of Biotechnology
MITS School of Biotechnology



DIRECTOR
MITS School of Biotechnology
Bhubaneswar

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Address for Communication:

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Signature

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

Last Date of Registration: 26.09.2019

Email: rashmiranjan93@gmail.com

Address for Communication

Dr.R.R Mishra

Head, Department of Biotechnology
Contact: +91-7978528311

Chief Patron

Er. Sriram Panda
Chief Executive
MITS Group

Patron

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Dr. Swati Mishra
Asst Professor
Dept. of Biotechnology

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Head
Dept. of Biotechnology

Advisory Committee

Prof. Mousumi Mishra
Dept. of Biotechnology

Dr. Manisha Pattnaik
Dept. of Biotechnology

Dr. Smaranika Sahoo
Dept. Of Biotechnology

A ONE DAY WORKSHOP ON



“RECENT RESEARCH TOOLS USED FOR DATA ANALYSIS”

Programme Schedule:
27-09-2019



Organized By:

मिट्स जैव प्रौद्योगिकी संस्थान
MITS SCHOOL OF BIOTECHNOLOGY

Venue:

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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

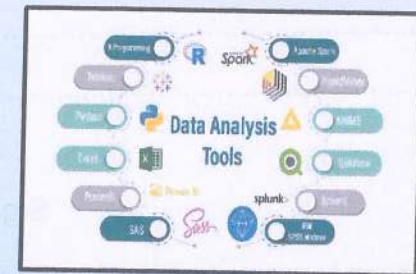
Data collection and analysis tools are defined as a series of charts, maps, and diagrams designed to collect, interpret, and present data for a wide range of applications and industries. Various programs and methodologies have been developed for use in nearly any industry, ranging from manufacturing and quality assurance to research groups and data collection companies. The area of research has undergone dramatic change. Using software tools for research are widespread all over the industries. While there is nothing wrong using commercial software but pirating the same is quite unethical at least in academics. Data analysis software is target for much of the piracy in business analytics industry. The present seminar aims to discuss various modern research tools used for data analysis.



Objective of the Programme

The workshop will be conducted having following objectives:

- The purpose of data analysis is to gain meaningful insights from raw data.
- It will help to understand the context of data.
- It will enhance the knowledge of researchers to define the problem.
- The data analysis will specify the outputs of research.
- Awareness about the recent research tools used for data analysis.



Resource Person

Mr. Biswajit Das,
KIIT University

Date: 27-09-19

LIST OF PARTICIPANTS

Name of the Programme: One-day Workshop on "RECENT RESEARCH TOOLS USED FOR DATA ANALYSIS"

SN.	Name of the candidate	Year Branch	Signature
1	SOUMEN MAJI	2nd Year MSc-AMB	Soumen Majhi
2	NIKITA ROUSTRAY	2nd Year MSc-BT	Nikita Roustray
3	ANIL KU. SRICHANDAN	3rd Year BCA	Anil.ku.srichandan
4	TUSHAR KANTA SENAPATI	2nd Year BCA	Tushar Kanta Senapati
5	SWAPNARANI SETHI	2nd Year MSc-BT	Swapnarani Sethi
6	RAZIA PARVEEN	2nd Year MSc-BT	Razia Parveen
7	BIBHUTI BHUSAN MOHAPATRA	2nd Year BCA	Bibhuti Bhusan Mohapatra
8	PABITRA DAS	3rd Year BCA	Pabitra Das
9	SUVENDU SEKHAR SAMAL	3rd Year BCA	Suvendu Sekhar Samal
10	PRITISHREE RAY	2nd Year MSc-BT	Pritishree Ray
11	SOMYASHREE PATTANAIK	2nd Year MSc-AMB	Somyashree Pattanaik
12	SAEED ANWAR KHAN	2nd Year BCA	Saeed Anwar Khan
13	ABHISEK KU. DUTTA	3rd Year BCA	Abhisek KU. Dutta
14	DIBYA JYOTI ROUT	2nd Year BCA	Dibyajyoti Rout
15	BAISHALI MAHAPATRA	3rd Year BCA	Baishali Mahapatra
16	ABHILIPSA PARHI	2nd Year MSc-AMB	Abhilipsa Parhi
17	ANKITA SATPATHY	2nd Year MSc-BT	Ankita Satapathy
18	AYUSHMITA DAS	3rd Year BCA	Ayushmita Das
19	SONALI NAYAK	2nd Year BCA	SONALI NAYAK
20	ALOK CHANDRA SUBUDHI	2nd Year MSc-BT	Alok Chandra Subudhi
21	SHEETAL PRADHAN	2nd Year MSc-BT	Sheetal Pradhan
22	PRATICHY SHRIYADARSHINI	2nd Year MSc-BT	Pratichy Shriyadarshini
23	TANIMA SINGH	2nd Year MSc-BT	Tanima Singh
24	JAYANTA MOHANTY	3rd Year BCA	Jayanta Mohanty
25	PRABHAT PRITY RANJAN BHOI	3rd Year BCA	Prabhat prity Ranjan Bhoi
26	RANJAN KUMAR MAHANTA	2nd Year BCA	Ranjan ku Mahanta
27	SUNIL KUMAR SAHOO	3rd Year BCA	Sunil Kumar Sahoo
28	SUBHALAXMI BISOI	2nd Year MSc-BT	Subhalaxmi Bisoi
29	SAYANTANI GUHA	2nd Year MSc-BT	Sayantani Guha



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

28/09/2019

Programme Name	One Day Workshop on Recent Research Tools used for Data Analysis
Date of Activity:	27/09/2019
Resource Person:	Mr. Biswajit Das, Research Coordinator KIIT University, Bhubaneswar Contact No: 8250785431 Email: Biswajit.4.biology@gmail.com
Organised By:	MITS School of Biotechnology
Venue:	Dept. Biotechnology, MSB, Bhubaneswar

Objective of the programme

Research data analysis is a process used by researchers to reduce data to a story and interpret it to derive insights. The data analysis process helps reduce a large chunk of data into smaller fragments, which makes sense. Three essential things occur during the data analysis process the first is data organization, summarization and categorization together contribute to becoming the second known method used for data reduction. It helps find patterns and themes in the data for easy identification and linking. The third and last way is data analysis – researchers do it in both top-down and bottom-up fashion.

Topic Covered

Theme 1: Knowledge about Qualitative and Quantitative data

Theme 2: How to analyse complex data using recent techniques

Theme 3: How to use both top-down and bottom-up fashion for data analysis.

Outcome of the programme

- The students learned how generate data
- Students also learned about the arrangement of data and separation of qualitative and quantitative data
- Students also learned about fragmentation of big size data and data storage and analysis

No. of Participants: 29



Resource Person Mr. Biswajit Das Delivering a Talk on *“Recent Research tools used for data Analysis”* at MSB, BBSR on 27/09/2019.


DIRECTOR
Director
MITS School of Biotechnology
Bhubaneswar

Dt: 04/12/2019

CIRCULAR



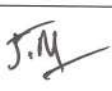
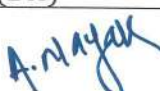
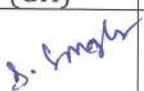

This is to inform you that Dept. Biotechnology, MITS School of Biotechnology, Bhubaneswar, Odisha is going to organise "**A One Day Seminar on Ethics in Animal Biotechnology Research**" on 13th December 2019. Interested students shall register their names at the office of the coordinator on or before 4PM, 12th December 2019.

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

Coordinator : **Dr. Rashmi Ranjan Mishra**
Associate Professor
Department of Biotechnology
MITS School of Biotechnology



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: 12.12.2019

Email: rashmikiranjan93@gmail.com

Address for Communication
Dr.R.R Mishra

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. Swati Mishra
Asst Professor
Dept. of Biotechnology

Coordinator

Dr.Rashmi Ranjan Mishra
Head
Dept. of Biotechnology

Advisory Committee

Prof. Mousumi Mishra
Dept. of Biotechnology

Prof. T.C Kar
Dept. of Biotechnology

Dr. Smaranika Sahu
Dept. of Biotechnology

A

ONE DAY SEMINAR ON



"ETHICS IN ANIMAL BIOTECHNOLOGY RESEARCH"

Programme Schedule:
13/12/2019



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

Animal biotechnology is one of the main areas of biotechnology which concerns the application of animals, including transgenic animals, in various fields. Even though these transgenic animals can be useful for improving the welfare of humans and animals, the well-being of animals being used in the studies may be negatively affected. The use of animals in experimental research has increased due to the advancement of research and development in medical technology. Each year, millions of animals are being experimentally used worldwide and 90% of these animals are mice and rats, including cats, dogs, rabbits and primates. The pain, distress and even death of animals during the experimentation have been a dispute issue for years.



Objective of the Programme

The objective of the program is to discuss the challenges and ethical issues related to Animal Science research. BIO members are compelled by ethical and legal concerns to evaluate the safety and efficacy of potential medicines and food products before they are given to humans and animals; the use of animals in research is a requirement for many such products. The appropriate and responsible use of animals is therefore an indispensable part of biomedical and agricultural research. BIO members are committed to act ethically and to apply high standards of care when using animals in scientific procedures.



Resource Person

Mr. Sabyasachi Parida,
Asst Professor, Dept. of Microbiology
MPC College, Baripada

Date: 13-12-2019

LIST OF PARTICIPANTS

Name of the Programme: One-day Seminar on "ETHICS IN ANIMAL BIOTECHNOLOGY RESEARCH"

SN.	Name of the candidate	Year Branch	Signature
1	SWAPNARANI SETHI	2nd Year MSc-BT	Swapnarani Sethi
2	RAZIA PARVEEN	2nd Year MSc-BT	Razia Parveen
3	PRITISHREE RAY	2nd Year MSc-BT	Pritishree Ray
4	SOMYASHREE PATTANAIK	2nd Year MSc-AMB	Somyashree pattanaik
5	BAISHALI MAHAPATRA	2nd Year MSc-BT	Baishali Mahapatra
6	ABHILIPSA PARHI	2nd Year MSc-AMB	Abhilipsa Satpathy
7	ANKITA SATPATHY	2nd Year MSc-BT	Ankita Satpathy
8	ALOK CHANDRA SUBUDHI	2nd Year MSc-BT	Alok chandra subudhi
9	SHEETAL PRADHAN	2nd Year MSc-BT	Sheetal Pradhan
10	PRATICHI SHRIYADARSHINI	2nd Year MSc-BT	Pratichi shriyadarshini
11	TANIMA SINGH	2nd Year MSc-BT	Tanima Singh
12	SURYAKANTA MOHAPATRA	1st Year MSc-BT	Suryakanta mohapatra
13	M BISWAJIT GYANARANJAN	1st Year MSc-BT	M. Biswajit Gyanaranjan
14	MANISH PRADHAN	1st Year MSc-AMB	Manish Pradhan
15	SWETA MOHANTY	1st Year MSc-AMB	Sweta Mohanty
16	SONALI PATTANAIK	1st Year MSc-AMB	Sonali Pattanaik
17	PRIYANKA DAS	1st Year MSc-BT	Priyanka Das
18	GYANA RANJAN SAHOO	2nd Year MSc-BT	Gyana Ranjan Sahoo
19	ABHISEK MAITY	2nd Year MSc-AMB	Abhisek Maity
20	SUBHALAXMI BISOI	2nd Year MSc-BT	Subhalaxmi Bisoi
21	BISWARANJAN NAYAK	1st Year MSc-BT	Biswaranjan Nayak
22	SUBHASHREE PRADHAN	1st Year MSc-BT	Subhashree Pradhan
23	SAYANTANI GUHA	2nd Year MSc-BT	Sayantani Guha
24	SUNITA JETHY	2nd Year MSc-AMB	Sunita Jethy
25	POOJA BEHERA	2nd Year MSc-AMB	Pooja Behera
26	SUSMITA BISWAL	2nd Year MSc-AMB	Susmita Biswal


COORDINATOR


DIRECTOR

Director
MITS School of Biotechnology
Bhubaneswar

PROGRAMME REPORT

14/12/2019

Programme Name	One Day Seminar on Ethics in Animal Biotechnology Research
Date of Activity:	13/12/2019
Resource Person:	Mr. Sabyasachi Parida Assistant Professor North Odisha University, Baripada Contact no: 7978286156 Email: s.parida@gmail.com
Organised By:	MITS School of Biotechnology
Venue:	Dept. Biotechnology, MSB, Bhubaneswar

Objective of the programme

Animal biotechnology has been used to produce genetically modified animals that synthesize therapeutic proteins, have improved growth rates or are resistant to disease's examine the ethical acceptability of animal biotechnology, we need to assess the impact of this technology and its potential effects upon the four interest factors: consumers, farmers and financiers, treated organisms, and environment

Topic Covered

Theme 1: Animal Integrity and Animal Biotechnology

Theme 2: The use of transgenic animas

Theme 3: Ethical issues in animal biotechnology

Theme 4: Alternative methods to animal testing

Outcome of the programme

- Students learned decisions about the development and use of animal biotechnology can be based on multiple factors. Knowledge of the science of animal biotechnology is needed to understand exactly what animal biotechnology involves and to appreciate its possible areas of applicability.
- Philosophical reflections on the moral significance of animals can inform the way applications of genetic engineering were evaluated, with respect both to their impact on animals and to the way that attempts to modify and control animals were viewed from an ethical prospective.

No. of Participants: 26



Resource Person **Mr. Sabyasachi Parida** Delivering a Talk on the seminar “*Ethics in Animal Biotechnology Research*” at MSB, BBSR

Dt: 23/12/2019




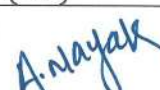
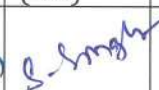

CIRCULAR

This is to inform you that Dept. Biotechnology, MITS School of Biotechnology, Bhubaneswar, Odisha is going to organise "**A One Day Workshop on Patent Rights and Patent Filing**" on 2nd January 2020. Interested students shall register their names at the office of the coordinator on or before 4PM, 30th January 2020.

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

Coordinator : **Dr. Rashmi Ranjan Mishra**
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.....
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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: 01.01.2020

Email: rashmiranjan93@gmail.com

Address for Communication

Prof. Rashmi Ranjan Mishra
Coordinator, Asst Professor Contact:
+91-7978528311

Chief Patron

Er. Sriram Panda
Chief Executive
MITS Group

Patron

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

Convenor

Dr. Swati Mishra
Asst Professor
Dept. of Biotechnology

Coordinator

Dr. Rashmi Ranjan Mishra
Head
Dept. of Biotechnology

Advisory Committee

Prof. Manisha Pattnaik
Dept. of Biotechnology

Dr. Mousumi Mishra
Dept. of Biotechnology

Dr.T.C Kar
Dept. of Biotechnology

A ONE DAY WORKSHOP ON



“PATENT RIGHTS AND PATENT FILING”

Programme Schedule
02-01-2020



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, 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 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

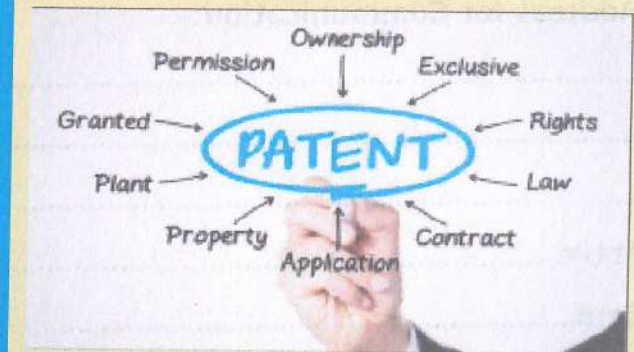
A patent is an exclusive right granted for an invention, which is a product or a process that provides, in general, a new way of doing something, or offers a new technical solution to a problem. To get a patent, technical information about the invention must be disclosed to the public in a patent application. Intellectual Property has always played an increasingly significant role in today's technology-driven society. Patents are an important asset for an organization. Hence, the innovative strength of an organization can be measured through its patenting activities. Not just the number of patents, it's also the quality of patents that makes the corporation more demanding. Grant of a patent is a long process that entails multiple checks on novelty, non-obviousness, and industrial applicability of the invention.



Objective of the Programme

The seminar on patent rights and patent filing aims to:

- Educate participants about the importance of patent protection.
- Simplify the patent filing process for easy understanding.
- Equip attendees with practical knowledge to protect their innovations.



Resource Person

Dr. Diptipriya Sethi

Resserach Associate, Institute of Minerals
And Material Technology, BBSR

Date: 02-01-2020

LIST OF PARTICIPANTS

Name of the Programme: One-day Workshop on "PATENT RIGHTS AND PATENT FILING"

SN.	Name of the candidate	Year Branch	Signature
1	SAPLIN MISHRA	2nd Year MSc-BT	Saplin Mishra
2	SUSMITA BISWAL	2nd Year MSc-AMB	Susmita Biswal
3	SRADHANJALI MAHARATHI	2nd Year MSc-AMB	Sradhanjali Maharathi
4	JYOTI PRAKASH DAS	2nd Year MSc-AMB	Jyoti Prakash Das
5	PALLAVI GHOSE	2nd Year MSc-BT	Pallavi Ghose
6	PRITI KUMARI CHOUDRI	2nd Year MSc-BT	Priti Kumari Choudri
7	MANISHA SAHOO	2nd Year MSc-AMB	Manisha Sahoo
8	MANASI JENA	2nd Year MSc-AMB	Manisha Jena
9	RITU BARAL	2nd Year MSc-BT	Ritu Baral
10	RITUPURBA DASH	2nd Year MSc-BT	Ritupurba Dash
11	PRITISHREE RAY	2nd Year MSc-BT	Pritishree Ray
12	LILIMA SETHI	2nd Year MSc-BT	Lilima Sethi
13	ABHILIPSA PARHI	2nd Year MSc-AMB	Abhilipsa Parhi
14	ARPITA PATRO	2nd Year MSc-BT	Arpita Patro
15	SUBRATA PARAI	2nd Year MSc-AMB	Subrata Parai
16	ANUCHHAYA PATRA	2nd Year MSc-AMB	ANUCHHAYA PATRA
17	SAMEER SOURAV MISHRA	2nd Year MSc-AMB	Sameer Sourav Mishra
18	SUBHALAXMI BISOI	2nd Year MSc-BT	Subhalaxmi Bisoi
19	SUNITA JETHY	2nd Year MSc-AMB	Sunita Jethy
20	SUNITA SAHOO	2nd Year MSc-AMB	Sunita Sahoo
21	RAZIA PARVEEN	2nd Year MSc-BT	Razia Parveen
22	DEEPSHIKHA KAR	2nd Year MSc-BT	Deepika Kar
23	SWAYAM SARVANI SAHOO	2nd Year MSc-AMB	Swayam Sarvani Sahoo
24	BHOLANATHA DAS	2nd Year MSc-BT	Bholanatha Das
25	SIBANI PRIYADARSHINI SATAPATHY	2nd Year MSc-BT	Sibani Priyadarshini Satpathy
26	MADHUCHHANDA PRADHAN	2nd Year MSc-BT	Madhuchhanda Pradhan
27	PRIYANKA ROUT	2nd Year MSc-BT	Priyanka Rout
28	BIKASH KUMAR SAHOO	2nd Year MSc-BT	Bikash Kumar Sahoo
29	JAGANNATH ROUT	2nd Year MSc-AMB	Jagannath Rout


COORDINATOR


DIRECTOR

Director
MITS School of Biotechnology
Bhubaneswar

PROGRAMME REPORT

03/01/2020

Programme Name	One Day Workshop on Patent Rights and Patent Filing
Date of Activity:	02/01/2020
Resource Person:	Dr. Diptipriya Sethi Research Associate CSIR-IMMT, Bhubaneswar Contact no.9938488500 Email:dipti.priya123@gmail.com
Organised By:	MITS School of Biotechnology
Venue:	Dept. Biotechnology, MSB, Bhubaneswar

Objective of the programme

Intellectual property rights (IPR) have been defined as ideas, inventions, and creative expressions based on which there is a public willingness to bestow the status of property. IPR provide certain exclusive rights to the inventors or creators of that property, in order to enable them to reap commercial benefits from their creative efforts or reputation.

Topic Covered

- Theme 1: Introduction to IPR
- Theme 2: What is Patent Drafting?
- Theme 3: Steps in Patent Drafting
- Theme 4: How to file a patent

Outcome of the programme

- Students got knowledge on several types of intellectual property protection like patent, copyright, trademark, etc. Patent is a recognition for an invention, which satisfies the criteria of global novelty, non-obviousness, and industrial application. IPR is prerequisite for better identification, planning, commercialization, rendering, and thereby protection of invention or creativity.

No. of Participants: 29



Resource Person Dr. Diptipriya Sethi Delivering a Talk on the seminar “Patent Rights and patent filing” at MSB, Bhubaneswar.


DIRECTOR
Director
MITS School of Biotechnology
Bhubaneswar

Dt: 14/01/2020



CIRCULAR

This is to inform you that Dept. Biotechnology, MITS School of Biotechnology, Bhubaneswar, Odisha is going to organise "**A One Day Workshop on How to Become Independent Entrepreneurs**" on 23rd January 2020. Interested students shall register their names at the office of the coordinator on or before 4PM, 22nd January 2020

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

Coordinator : **Dr. Rashmi Ranjan Mishra**
Associate Professor
Department of Biotechnology
MITS School of Biotechnology


DIRECTOR
MITS School of Biotechnology
Bhubaneswar

HOD-BIO	HOD-COMP	DO	Warden (BH)	Warden (GH)	LIBRARIAN
		J.M.	A. Nayak	S. S. Moh	A. Das
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: 22.01.2020

Email: rashmiranjan93@gmail.com

Address for Communication

Dr.R.R Mishra

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. Swati Mishra
Asst Professor
Dept. of Biotechnology

Coordinator

Dr. Rashmi Ranjan Mishra
Head
Dept. of Biotechnology

Advisory Committee

Prof. Mousumi Mishra
Dept. of Biotechnology

Dr. Manisha Pattnaik
Dept. of Biotechnology

Dr. TC Kar
Dept. Of Biotechnology

A ONE DAY WORKSHOP ON



**“HOW TO BECOME
INDEPENDENT
ENTREPRENEURS”**

Programme Schedule :
23-01-2020



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

Independent entrepreneurship refers to the entrepreneurial activities of private firms. It is valuable to the national economy since such firms provide a lot of job opportunities and participate in various social initiatives. Independent entrepreneur is defined a person who establishes creative and innovative acts by developing ideas and profits from human and natural resources. The most common attributes of independent entrepreneurs are their sense of calm, self-confidence, and an ability to think fast. Companies often incorporate independent entrepreneurship management strategies, which can help organizations in promoting innovation and cultivating creativity, improving human resources. The aim of entrepreneurial seminar is to teach participants to potentially carve their own entrepreneurial path.



Objective of the Programme

The objective of the seminar is walk the participants through the 7 essential steps you need to take to become an entrepreneur:

- Define your goals.
- Find your first profitable product.
- Get your product developed.
- Write your business plan.
- Secure the funding you need
- Launch your business



Resource Person

Dr. Debeepasad Sahoo,
Postdoctoral Fellow, Instituto de
Biotecnología, University of Mexico

Date: 23-01-2020

LIST OF PARTICIPANTS

Name of the Programme: One-day Workshop on "HOW TO BECOME INDEPENDENT ENTREPRENEURS"

SN.	Name of the candidate	Year Branch	Signature
1	PRIYANKA BARIK	2nd Year MSc-BT	Priyanka Barik
2	SHAILJA KUMARI SRIVASTAVA	2nd Year MSc-BT	Shailja Kumari Srivastava
3	BISWAJIT PANDA	1st Year MSc-BT	Biswajit Panda
4	MANISHA SAHOO	2nd Year MSc-AMB	Manisha Sahoo
5	EVANJALI PRADHAN	2nd Year MSc-AMB	evanjali pradhan
6	SMRUTI REKHA SAMAL	1st Year MSc-BT	Smruti Rekha Samal
7	PALLAVI PRADHAN	1st Year MSc-BT	Pallavi Pradhan
8	SOMPRIYA ROUT	1st Year MSc-BT	Sompriya Rout
9	PRITIMAYEE PRADHAN	1st Year MSc-AMB	Pritimayee Pradhan
10	AMRITA SWAIN	1st Year MSc-BT	Amrita Swain
11	SIBANI PRIYADARSHINI SATAPATHY	2nd Year MSc-BT	Sibani Priyadarshini Satapathy
12	INDIRA PRIYADARSHINI DASH	2nd Year MSc-BT	Indira Priyadarshini Dash
13	PRAKASH KUMAR PRUSTI	2nd Year MSc-BT	Prakash K. Prusti
14	SOUMYA PRIYADARSINEE MOHANTY	1st Year MSc-BT	Soumya Priyadarshinee Mohanty
15	SUBHASHREE DAS	2nd Year MSc-AMB	Subhashree Das
16	NIRLIPTA DHAL	2nd Year MSc-BT	Nirlipta Dhal
17	ANIL KUMAR PANDA	2nd Year MSc-BT	Anil Kumar Panda
18	LILIMA SETHI	2nd Year MSc-BT	Lilima Sethi
19	SWETA DASH	1st Year MSc-AMB	Sweta Dash
20	PRAGATI NAYAK	1st Year MSc-BT	Pragati Nayak
21	ADARSHAMAYEE MOHANTY	2nd Year MSc-AMB	Adarshamayee Mohanty
22	JAGAN KUMAR BEURIA	2nd Year MSc-BT	Jagan Kumar Beuria
23	MANAS RANJAN ACHARYA	1st Year MSc-AMB	Manas Ranjan Acharya
24	PRAGYAN PARAMITA BHATTA	1st Year MSc-BT	Pragyan Paramita Acharya
25	GAURAB NANDI	2nd Year MSc-BT	Gaurab nandi
26	SUBHASISH TRIPATHY	1st Year MSc-BT	Subhasish Tripathy
27	SUBRATA PARAI	2nd Year MSc-AMB	Subrata Parai
28	MANASI JENA	2nd Year MSc-AMB	Manasi Jena
29	KADAMBINI OJHA	1st Year MSc-BT	Kadambini Ojha



COORDINATOR



DIRECTOR

Director
MITS School of Biotechnology
Bhubaneswar

PROGRAMME REPORT

Dt: 24/01/2020

Programme Name	One Day Workshop on How to Become Independent Entrepreneurs
Date of Activity:	23/01/2020
Resource Person:	Dr. Debeeprasad Sahoo Postdoctoral Fellow, Instituto de Biotechnologia, University of Mexico Contact no. 9678336213 Email:sahoodebeeprasad@gmail.com
Organised By:	MITS School of Biotechnology
Venue:	Dept. Biotechnology, MSB, Bhubaneswar

Objective of the programme

The course has the objective of introducing the participants with fundamental of entrepreneurship development so that they can understand the requirements and challenges in this area. The applied aspect of this workshop will be the practical sessions where they can apply this knowledge in decision making.

Topic Covered

Theme 1: Concept of entrepreneurship, Entrepreneur, Manager, Entrepreneur, Characteristics of a successful Entrepreneur, Entrepreneurial functions, Entrepreneurial types, Other Classifications, Matching situational requirements & types entrepreneur,

Theme 2: Entrepreneurship in India: Historical Review Factors inhibiting Entrepreneurship Development.

Theme 3: Schemes of Incentives and Supports

Theme 4: Business Opportunities Analysis & Identification

Outcome of the programme

- Students were understand the concept of Entrepreneurial Development
- Students were also aware components of Entrepreneurship Development
- Students will understand the relationship between innovation and entrepreneurial development
- They also able to recognise the theories of innovation and entrepreneurial development;
- To know the various techniques of innovation and promoting entrepreneurial culture.

No. of Participants: 29



Resource Person Dr. Debeeprasad Sahoo Delivering a Talk on **“How to become Independent Entrepreneurs”** at MSB, BBSR on 23/01/2020 .


DIRECTOR
MITS School of Biotechnology
Bhubaneswar

Dt: 27/02/2020

CIRCULAR



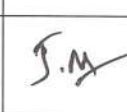
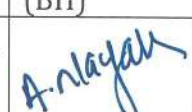
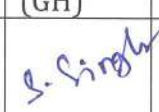
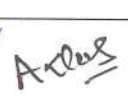
This is to inform you that Dept. Biotechnology, MITS School of Biotechnology, Bhubaneswar, Odisha is going to organise "**A One Day Seminar on Research Methodology for Small and Large Scale Data Analysis**" on 7th March 2020. Interested students shall register their names at the office of the coordinator on or before 4PM, 6th March 2020.

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

Coordinator : **Dr. Rashmi Ranjan Mishra**
Associate Professor
Department of Biotechnology
MITS School of Biotechnology



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: 06.03.2020

Email: rashmikiranjan93@gmail.com

Address for Communication

Dr.R.R Mishra

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. Swati Mishra
Asst Professor
Dept. of Biotechnology

Coordinator

Dr. Rashmi Ranjan Mishra
Head
Dept. of Biotechnology

Advisory Committee

Prof. Mousumi Mishra
Dept. of Biotechnology

Dr. Manisha Pattnaik
Dept. of Biotechnology

Dr. Smaranika Sahoo
Dept. of Biotechnology

A

ONE DAY SEMINAR ON



**"RESEARCH METHODOLOGY
FOR SMALL AND LARGE SCALE
DATA ANALYSIS"**

Programme Schedule :
07-03-2020



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

Small, medium, and large scale research studies refer to the size and scope of a research project, with small studies focusing on a narrow area of research, medium studies encompassing broader topics, and large studies involving a comprehensive investigation of a complex issue. Here are some examples of each. Small scale research: A qualitative study of the experiences of three to five individuals who have survived cancer and their coping strategies. Medium scale research: A mixed-methods study that examines the relationship between diet, exercise, and the development of cardiovascular diseases among 100 adults. Large scale research: A longitudinal study that follows a cohort of 10,000 people over a period of 10 years to examine the impact of environmental factors on the incidence of chronic diseases.



Objective of the Programme

It is necessary to have different types of research studies to address different types of research questions and to advance our knowledge in various fields. Small scale research is useful for generating initial hypotheses or exploring new phenomena. Medium scale research is important for identifying patterns and relationships and establishing causal relationships between variables. Large scale research is critical for providing reliable and valid evidence that can inform policy and practice, particularly in complex areas such as healthcare, education, or social sciences.



Resource Person

Dr. Satyananda Patel,
Research Scientist,
Asia Institute of Public Health
Bhubaneswar

Date: 07-03-2020

REGISTRATION LIST

Name of the Programme: One-day Seminar on "RESEARCH METHODOLOGY FOR SMALL AND LARGE SCALE DATA ANALYSIS"

SN.	Name of the candidate	Year Branch	Signature
1	ADITYA GOUDA	2nd Year MSc-BT	Aditya Gouda
2	SHILA PATEL	2nd Year MSc-BT	Shilpa Patel
3	JYOTI PRAKASH DAS	2nd Year MSc-AMB	Jyoti Prakash Das
4	ANUCHHAYA PATRA	2nd Year MSc-AMB	Anuchhaya Patra
5	PRIYANKA ROUT	2nd Year MSc-BT	Priyanka Rout
6	SWAYAM SARVANI SAHOO	2nd Year MSc-AMB	Swayam Sarvani Sahoo
7	JAGANNATH ROUT	2nd Year MSc-AMB	Jagannath Rout
8	MANISHA JENA	2nd Year MSc-BT	Manisha Jena
9	PRITI KUMARI CHOUDRI	2nd Year MSc-BT	Priti Kumari Choudri
10	SOU MEN MAJI	2nd Year MSc-AMB	Soumen Maji
11	NIKITA ROU TRAY	2nd Year MSc-BT	Nikita Routray
12	SWAPNARANI SETHI	2nd Year MSc-BT	Swapnarani Sethi
13	RAZIA PARVEEN	2nd Year MSc-BT	Razia Parveen
14	PRITISHREE RAY	2nd Year MSc-BT	Pritishree Ray
15	SOMYASHREE PATTANAIK	2nd Year MSc-AMB	Somyashree Pattanaik
16	BAISHALI MAHAPATRA	2nd Year MSc-BT	Baishali Mahapatra
17	ABHILIPSA PARHI	2nd Year MSc-AMB	Abhilipsa Parhi
18	ANKITA SATPATHY	2nd Year MSc-BT	Ankita Satpathy
19	ALOK CHANDRA SUBUDHI	2nd Year MSc-BT	Alok chandra Subudhi
20	SHEETAL PRADHAN	2nd Year MSc-BT	Sheetal Pradhan
21	PRATICHİ SHRIYADARSHINI	2nd Year MSc-BT	Pratichi Shriyadarshini
22	TANIMA SINGH	2nd Year MSc-BT	Tanima Singh
23	GYANA RANJAN SAHOO	2nd Year MSc-BT	Gyana Ranjan Sahoo
24	ABHISEK MAITY	2nd Year MSc-AMB	Abhisek maity
25	SUBHALAXMI BISOI	2nd Year MSc-BT	Subhalaxmi Bisoi
26	SAYANTANI GUHA	2nd Year MSc-BT	Sayantani Guha



COORDINATOR



DIRECTOR

Director
MITS School of Biotechnology
Bhubaneswar

PROGRAMME REPORT

09/03/2020

Programme Name	One Day Seminar on Research Methodology for Small and Large Scale Data Analysis
Date of Activity:	07/03/2020
Resource Person:	Dr. Satyananda Patel Research Scientist, ALPH University Contact no. 7735266465 Email:satyanandapatel@gmail.com
Organised By:	MITS School of Biotechnology
Venue:	Dept. Biotechnology, MSB, Bhubaneswar

Objective of the programme

Research is the systematic and objective process of gathering, recording and analysing data for taking appropriate & meaningful decisions.

- To provide an overview of Contemporary Research Methodology & Review of Literature.
- To provide the platform for discussion on the methodological requirements of research and to simulate & capture new approaches.
- To enable researchers, irrespective of their discipline, in developing the most appropriate methodology for their research studies and data analysis.

Topic Covered

- Theme 1: Conceptual Background of Research and review of Literature, Referencing in Writing using softwar
- Theme 2: Conceptualization of Variables and Measurement and Tools & Techniques of Data Collection: Primary & Secondary, Data Collection Questionnaire Design & Testing
- Theme 3: Univariate and Bivariate Techniques for data Analysis and Multiple Regression Analysis: Variables in Multiple Regression, Scale of Measurement

Outcome of the programme

- Students Understood the Research Concepts & Methodology.
- Students were able to choose the right statistical technique for different research questions.
- Analyse data using basic and advance statistical techniques in Statistical Software.
- Students learned the Interpretation and analysis of output tables and report findings for publishing.

No. of Participants: 26



Resource Person **Dr. Satyananda Patel** Delivering a Talk on the seminar “**Research Methodology for small and large scale data analysis**” at MSB, BBSR


DIRECTOR
Director
MITS School of Biotechnology
Bhubaneswar

Dt: 02/03/2020

CIRCULAR





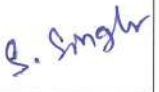

This is to inform you that Dept. Biotechnology, MITS School of Biotechnology, Bhubaneswar, Odisha is going to organise **"A One Day Workshop on Entrepreneurship and Startups for Biotechnology Students"** on 12th March 2020. Interested students shall register their names at the office of the coordinator on or before 4PM, 11th March 2020.

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

Coordinator : **Dr. Rashmi Ranjan Mishra**
Associate Professor
Department of Biotechnology
MITS School of Biotechnology



DIRECTOR
MITS School of Biotechnology
Bhubaneswar

HOD-BIO	HOD-COMP	DO	Warden (BH)	Warden (GH)	LIBRARIAN
					
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: 11.03.2020

Email: rashmiranjan93@gmail.com

Address for Communication
Dr. Rashmi Ranjan Mishra

Coordinator
Contact: +91-98612 93070

Chief Patron

Er. Sriram Panda
Chief Executive
MITS Group

Patron

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

Convenor

Dr. Swati Mishra
Asst Professor
Dept. of Biotechnology

Coordinator

Dr. R.R Mishra
Head
Dept. of Biotechnology

Advisory Committee

Prof. Mousumi Mishra
Dept. of Biotechnology

Dr. T.C Kar
Dept. of Biotechnology

Dr. Smaranika Sahoo
Dept. of Biotechnology

A

ONE DAY WORKSHOP ON



"ENTREPRENEURSHIP AND STARTUPS FOR BIOTECHNOLOGY STUDENTS"

Programme Schedule :
12/03/20



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 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 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

Data processing is often misunderstood as manipulation or data analysis, but it is much more than that. Multiple decisions are taken based on the accurate processing of data, and brands and researchers rely on data to make actionable decisions. The processing of data in research is one of the most critical components of the research process and can be the difference between brands being successful or not. Data processing in research is the collection and translation of a data set into valuable, usable information. Through this process, a researcher, data engineer or data scientist takes raw data and converts it into a more readable format, such as a graph, report or chart, either manually or through an automated tool.



Objective of the Programme

In this workshop the resource person will address various issues of data processing and research Methodology. The objectives such as definition of research, role and objectives of research, applications and types of research, research process and steps in it. Collecting and reviewing the literature, conceptualization and Formulation of a research problem, Identifying variables, constructing hypothesis, Synopsis.



Resource Person

Dr. Dhiraj Nanda,
AIPH University

Date:12/03/2020

LIST OF PARTICIPANTS

Name of the Programme: One-day workshop on "ENTREPRENEURSHIP AND STARTUPS FOR BIOTECHNOLOGY STUDENTS."

SL. NO	List of the Participant	Year Branch	Signature
1	M BISWAJIT GYANARANJAN	2 nd YR MSc-BT	M Biswajit Gyanaranjan
2	SINDHUSA SRINIVAS	1 ST YR MSc-AMB	Sindhua Srinivas
3	ALINA PADHAN	1 ST YR MSc-BT	Alina Pradhan
4	SMRUTI REKHA SAMAL	2 nd YR MSc-BT	Smruti Rekha Samal
5	S K SUNSUYA	2 nd YR MSc-AMB	S. K. Sunsuya
6	SURYAKANTA MOHAPATRA	2 nd YR MSc-BT	Suryakanta Mohapatra
7	SARADA PRASAD GRAHACHARYA	1 ST YR MSc-AMB	Sarada Prasad Grahacharya
8	DHARITRI PRIYADARSINI	2 nd YR MSc-BT	Dharitri Priyadarsini
9	IPSITA JENA	2 nd YR MSc-BT	Ipsita Jena
10	KAJAL SAHOO	1 ST YR MSc-AMB	Kajal Sahoo
11	DIBYA BHARATI PADHI	2 nd YR MSc-BT	Dibya Bharati Padhi
12	LIPSITA ARUK	1 ST YR MSc-BT	Lipsita Aruk
13	MINARVA SWAIN	2 nd YR MSc-AMB	Minarva Swain
14	SOMPRIYA ROUT	2 nd YR MSc-BT	Sompriya Rout
15	SUBHALAXMI NAYAK	1 ST YR MSc-BT	Subhalaxmi Nayak
16	ARPITANJALI GHUDA	2 nd YR MSc-BT	Arpitajali Ghuda
17	SUSHRUTA BHATTACHARYA	1 ST YR MSc-AMB	Sushruta Bhattacharya
18	BISWAJIT SUTAR	1 ST YR MSc-AMB	Biswajit Sutar
19	SUSHREE BAISHAKHEE PRADHAN	1 ST YR MSc-BT	Sushree Baishakhee Pradhan
20	BISWAPRAKASH KAR	1 ST YR MSc-BT	Biswapraakash Kar
21	NIBEDITA BEHERA	1 ST YR MSc-AMB	Nibedita Behera
22	BISWARANJAN NAYAK	2 nd YR MSc-BT	Biswaranjan Nayak
23	SUBHAM BEHERA	2 nd YR MSc-BT	Subham Behera
24	BUBUNA DAS	1 ST YR MSc-AMB	Bubuna Das
25	KUMUDINEE KUMARI MAHTO	1 ST YR MSc-BT	Kumudinee Kumari Mahato
26	ANKANA CHATTERJEE	2 nd YR MSc-AMB	Ankana Chatterjee
27	SITOSMA MISHRA	1 ST YR MSc-AMB	Sitosma Mishra
28	SWETA DASH	2 nd YR MSc-AMB	Sweta Dash
29	MEENAKSHI PANDA	2 nd YR MSc-AMB	Meenakshi Panda
30	ASEEMA MISHRA	1 ST YR MSc-AMB	Aseema Mishra
31	AAISHMA MEHER	1 ST YR MSc-BT	Aashma Meher
32	SUBHASHREE PRADHAN	2 nd YR MSc-BT	Subhashree Pradhan
33	RITUPARNA ROSSANA MISHRA	1 ST YR MSc-AMB	Rituparna Rossana Mishra
34	DEBTOSH PATRA	1 ST YR MSc-BT	Debtosh Patra



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

13/03/2020

Programme Name	A One Day Workshop on Entrepreneurship and Startups for Biotechnology Students
Date of Activity:	12/03/2010
Resource Person:	Dr. Dhiraj Nanda Research Scientist, AIPH, Bhubaneswar Contact No: 9348881491 Email: lkar@aiph.ac.in
Organised By:	MITS School of Biotechnology
Venue:	Dept. Biotechnology, MSB, Bhubaneswar

Objective of the programme

Biotechnology entrepreneurship is the sum of all the activities performed through a team of individuals, working together over time, to build an enterprise that creates and commercializes life-changing products through the melding of scientific and business disciplines. To aware students about the ecosystem of entrepreneurship, the workshop aims the followings

- Available funding opportunities for entrepreneurs and start-ups.
- Nurturing student's individual entrepreneurial capabilities and also helping students to put their idea into action.

Topic Covered

Theme 1: Entrepreneurship on Biotechnology and Awareness Session

Theme 2: Intellectual Property Rights Session

Theme 3: Entrepreneurship Ecosystem Session

Outcome of the programme

- Students learned the fundamental principles that form the foundation of entrepreneurship and their practical use in identifying and capitalizing on opportunities related to products, services, and processes.
- Students accomplished about the core concepts that support innovation and the challenges linked to establishing and maintaining innovation within corporate entities.
- Students were aware about the methods for crafting inventive strategies to pursue, capitalize on, and advance novel opportunities.
- All the participants got an idea on concerns associated with acquiring and overseeing financial assets in both fledgling and established organizations.

No. of Participants: 34



Resource Person **Dr. Dhiraj Kumar Nanda** Delivering a Talk on “**Entrepreneurship And Startups for Biotechnology Students**” at MSB, BBSR on 12 Mar 2020.

DIRECTOR

Director

MITS School of Biotechnology
Bhubaneswar