

LIST OF CERTIFICATE PROGRAMS

A. Y: 2021-2022

S. NO.	NAME OF THE PROGRAM	DATE	NO OF STUDENTS PARTICIPATED
	A Two Week Add-On Program on	08.11.2021	
1	Machine Learning Applications	То	90
	with Python	23.11.2021	
	A Two Week Add-On Program on	07.03.2022	
2	Natural Language Processing	То	97
		23.03.2022	
	A Two Week Add-On Program on	16.03.2022	
3	Hands-on Mastery of RT-PCR	То	105
	100	04.04.2022	
	A Two Week Add-On Program on	01.12.2021	
4	Relationship on Food Habits and	To	79
	Lifestyle Diseases	17.12.2021	
	A Two Week Add-On Program on	11.04.2022	
5	Artificial Intelligence in	To	64
	Biotechnological Applications	29.04.2022	
	A Two Week Add-On Program on	11.04.2022	
6	Production of Wine using Fruits as	То	64
	Substrate	29.04.2022	

DIRECTOR

Director
MITS School of Biotechnology
Bhubaneswar



Date: 28-10-2021

CIRCULAR

It is hereby informed to all final/pre-final year students of BCA that the Department of Computer Science of this institute is conducting a Two Week Add-On program on MACHINE LEARNING APPLICATIONS WITH PYTHON from 08-11-2021 to 23-11-2021. Interested students shall register their names at the office of the coordinator on or before 4 PM, 04-11-2021.

Venue of the Programme: Conference Hall, MITS School of Biotechnology.

Coordinator

: Prof. Bibhudatta Tripathy

Asst. Professor

Department of Computer Science MITS School of Biotechnology

> MITS School of Clotechnold Bhubaneswar

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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: 04.11.2021

Email: bibhudatta2019@gmail.com

Address for Communication

Prof. Bibhudatta Tripathy Coordinator, Asst Professor Contact: +91-9040134987

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

Prof. Bibhudatta Tripathy
Asst Professor
Dept. of Computer Science

Advisory Committee

Prof. Panchami Padmasana Dept. of Computer Science

Mr. S. Satrusallya Dept. of Chemistry

Dr. Satyananda PatelDept. of Biotechnology

A TWO-WEEK ADD-ON PROGRAMME ON



MACHINE LEARNING APPLICATIONS WITH PYTHON

Programme Schedule

08-11-2021 To 23-11-2021



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 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

Artificial Intelligence and Machine Learning are everywhere. Chances are that you are using them and not even aware about that. In Machine Learnin, computers, software, and devices perform via cognition similar to human brain. Machine learning is a type of Al that provides computers with the ability to learn without being explicitly programmed. Machine learning focuses on the development of Computer Programs that can change when exposed to new data. In this article, we'll see basics of Machine Learning, and implementation of a simple machine-learning algorithm using python.



Objective of the Programme

The main objective of studying machine learning with Python is to learn how to use machine learning tools and libraries to train your programs to recognize patterns and extract knowledge from data. Python is a popular programming language for machine learning because it has a large number of powerful libraries and frameworks that make it easy to implement machine learning algorithms.



Resource Person

Prof. Chhabi Sethi
Dept. of Computer Science
MSB, Bhubaneswar



Date: 07-11-2021

REGISTERED STUDENT LIST

Name of the Programme: A Two WeekAdd-On Program on MACHINE LEARNING
APPLICATIONS WITH PYTHON
08-11-2021to23-11-2021

SN Reg. No Name of the Student Year Branch Signature Y21UC01 3rd Year BCA ABHISHEK NAYAK Abhishek Nayak 2 Y21UC02 3rd Year BCA AJIT KUMAR ROUT Ajit Kumar Roct 3 Y21UC03 3rd Year BCA AKASH GOUTAM Akash Goudam Y21UC04 3rd Year BCA ARCHITA BARAL Anchita Bernel 5 Y21UC05 ASHUTOSH MOHARANA 3rd Year BCA Asutush Mahanana Y21UC06 3rd Year BCA 6 ASUTOSH PATTANAIK sutosh Pattanaik Y21UC07 ASUTOSH PADHI 3rd Year BCA Paolhi 8 Y21UC08 AYUSH KUMAR SAHOO 3rd Year BCA 9 Y21UC09 3rd Year BCA **BARPAN** 10 Y21UC10 BADAL BALABANTARAY 3rd Year BCA Balabartanay 11 Y21UC11 3rd Year BCA BADRI NARAYAN PATRA re Narraycen patra Y21UC12 3rd Year BCA 12 **BANSIKA DASH** Bounsika Doush Y21UC13 3rd Year BCA 13 BIMALENDU BARIK Bimalende Barik 14 Y21UC14 3rd Year BCA BISWAJEET BISWAL Biswayeet 15 Y21UC15 BISWAJIT BEHERA 3rd Year BCA Behera 3rd Year BCA Y21UC16 16 BISWAJYOTI RAJ Y21UC17 17 3rd Year BCA **CHINMAY SAHU** hinmay Sahu Y21UC18 3rd Year BCA 18 ITISHREE ROUT Ttishale Kevat 19 Y21UC19 3rd Year BCA **IIGYANSHU NAYAK** Tigyanshu Nayak Y21UC20 3rd Year BCA 20 **IITENDRA SAHOO** Jetendra Sahoo 21 Y21UC21 3rd Year BCA KOMAL NISSA Komal Missa 22 Y21UC22 3rd Year BCA LAXMIPRIYA MAHARANA 23 Y21UC23 3rd Year BCA LOKESH GOUNDER

Pg 1 of 2

24	Y21UC24	MAHARAJA ASUTOSH MOHANTY	3 rd Year BCA	Maharaja asutush mohamty
25	Y21UC25	MANAS RANJAN DASH	3 rd Year BCA	Maroush Ranjan Dash
26	Y21UC26	NITISH KUMAR	3 rd Year BCA	Nitish Kumorc
27	Y21UC27	PABITRA KUMAR DAS	3 rd Year BCA	Palatocakin Das.
28	Y21UC28	PRAKASH KUMAR	3 rd Year BCA	Prakash Kumari
29	Y21UC29	PRANATI PAL	3 rd Year BCA	Prenati Ral
30	Y21UC30	PRASAD KUMAR BHOKTA	3 rd Year BCA	Praised Kumar Bhoxla
31	Y21UC31	PRASANT KUMAR	3 rd Year BCA	Prasant kumar
32	Y21UC32	PRATAP KUMAR DAS	3 rd Year BCA	Proton Kuman Dou
33	Y21UC33	PRITAM RAHUL RANJAN	3 rd Year BCA	Preetam Rahul Ranjan
34	Y21UC34	PRIYANKA DASH	3 rd Year BCA	Paryanka Dash
35	Y21UC35	SHIVANANDA MOHAPATRA	3 rd Year BCA	Shivananda Mohapatra
36	Y21UC36	SHREEMAN SWAGAT	3 rd Year BCA	shreeman swagat.
37	Y21UC37	SHUBHAM A. MALLICK	3 rd Year BCA	Shyphon A. Mallick
38	Y21UC38	SLIPA PATTANAIK	3 rd Year BCA	Slipa pattanaik
39	Y21UC39	SMRUTI RANJAN SAHOO	3 rd Year BCA	Sonorcude Ranjan Sahoo
40	Y21UC40	SMRUTI RANJAN SAHOO	3 rd Year BCA	Smruti Ranjan Sahoo
41	Y21UC41	SNEHANJALI BARIK	3 rd Year BCA	Shehanjali Barik
42	Y21UC42	SOMYA RANJAN SAHOO	3 rd Year BCA	Somya Ranjan Sahor
43	Y21UC43	SWOPENDU OJHA	3 rd Year BCA	Swopendu Ojha
44	Y21UC44	SWOPNAJEET PRADHAN	3 rd Year BCA	swoprayeest preachan
45	Y21UC45	SYED SHAYAN ALI	3 rd Year BCA	Eyed Shayanofli
46	Y21UC46	TAPASWINI NANDA	3 rd Year BCA	Tapaswini Nanda
47	Y21UC47	UTTAM KUMAR	3 rd Year BCA	Uttan Kumara
48	Y21UC48	UTTAM KUMAR KHANDUAL	3 rd Year BCA	Uttam Klimaire Khait dee al
49	Y21UC49	YADUNATH PRADHAN	3 rd Year BCA	Yadunath Preadhon
50	Y21UC50	ZAID HASSMI	3 rd Year BCA	Zaid Hassmi

COORDINATOR

HOD HOD

Pg 2 of 2

DIRECTOR
Director
MITS School of Biotechnology
Bhubaneswar



Date: 08-11-2021

REGISTERED STUDENT LIST

Name of the Programme: A Two WeekAdd-On Program on MACHINE LEARNING

APPLICATIONS WITH PYTHON 08-11-2021to23-11-2021

SN	Reg. No	Name of the Student	Year Branch	Signature
51	Y21UC51	ALOK PANIGRAHI	3 rd Year BCA	Alon Panigorathi
52	Y21UC52	AMAN PATRA	3 rd Year BCA	Aman Patra
53	Y21UC53	ANKIT PRADHAN	3 rd Year BCA	Ankit Procelhoin
54	Y21UC54	ANUJA KUMAR PANDA	3 rd Year BCA	Anja kulanda
55	Y21UC55	ANWESHA JENA	3 rd Year BCA	Anwesha Jena.
56	Y21UC56	CHINMAYA KUMAR ROUT	3 rd Year BCA	Chinnaya Ly Rout
57	Y21UC57	CHINMAYA SAHOO	3 rd Year BCA	Chinmaya Sahoo
58	Y21UC58	DEBABRATA DIPANKAR DALEI	3 rd Year BCA	Dehabrata Dipankan
59	Y21UC59	DEBASHISH PANDA	3 rd Year BCA	Debasish parda
60	Y21UC60	HIMANSHU SEKHAR DAS	3 rd Year BCA	Hzmanshiscekhar Das
61	Y21UC61	MADHUSMITA MOHANTY	3 rd Year BCA	Madhumita Mohum
62	Y21UC62	MITU SASMAL	3 rd Year BCA	Meta Camel
63	Y21UC63	N ANAND REDDY	3 rd Year BCA	N Anand Reddy
64	Y21UC64	NIKHIL KUMAR SHARMA	3 rd Year BCA	Nakhil K. Sharma
65	Y21UC65	NISHIKET SATPATHY	3 rd Year BCA	Michicel Creto Droth
66	Y21UC66	NITISH KUMAR	3rd Year BCA	NETZY Kunak
67	Y21UC67	PRIYANKA PRIYADARSHINI	3rd Year BCA	Preizanka Prezzadorski
68	Y21UC68	RAHUL RANJAN PRAHARAJ	3 rd Year BCA	Robel Ronjan Probara
69	Y21UC69	RAJESH KUMAR SAHOO	3 rd Year BCA	Rajosh keman Caho
70	Y21UC70	RAJKISHORE JENA	3 rd Year BCA	Paylashore Jene
71	Y21UC71	RAVIKANT PANDEY	3 rd Year BCA	Rewikant Dandey
72	Y21UC72	REBA ROY	3 rd Year BCA	Rela Roy
73	Y21UC73	SARTHAK RANJAN NAYAK	3 rd Year BCA	Sarthak Runian N
74	Y21UC74	SATYAJEET PANDA	3 rd Year BCA	Satraiged Panda
75	Y21UC75	SHIBANANDA PRADHAN	3 rd Year BCA	Shibananda Bradhan

Pg 1 of 2

76	Y21UC76	SHISHIR KUMAR BARIK	3 rd Year BCA	Shishm Kumur Borik
77	Y21UC77	SIBANANDA MOHAPATRA	3 rd Year BCA	Sibonarder Mohapetos
78	Y21UC78	SIBANSU MOHAPATRA	3 rd Year BCA	Sibazu Mohapatr
79	Y21UC79	SIDHARTH KANUNGO	3 rd Year BCA	Sichanth Kanung
80	Y21UC80	DIBYA JYOTI CHOUDHARY	3 rd Year BCA	Dibya Jyöti Choudhary
81	Y21UC81	SONALI NAYAK	3 rd Year BCA	Sonali Nayak
82	Y21UC82	SONALI PRIYADARSHINI	3 rd Year BCA	Soneli Porigadorshini
83	Y21UC83	SONMAYEE NAYAK	3 rd Year BCA	Sanmarge Nayak
84	Y21UC84	SOUMYASHREE BISWAL	3 rd Year BCA	Soumydehree Regual
85	Y21UC85	SOUMYASNIGDHA BARIK	3 rd Year BCA	Sowmyasnigdha Barik
86	Y21UC86	SRITI PRIYADARSHINI SWAIN	3 rd Year BCA	Snefe Prijadanshine Soucee
87	Y21UC87	SRUTI LIPI MOHAPATRA	3 rd Year BCA	Sorvic Capi Udhepeta
88	Y21UC88	SUBHASHREE SAHOO	3 rd Year BCA	Subhashirpee salves
89	Y21UC89	SUBHRAJYOTI MANDAL	3 rd Year BCA	Subhraj yote Mandal
90	Y21UC90	SUNIL JENA	3 rd Year BCA	Suil Veye.

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MITS School of Biotechnology
Bhubaneswar



COURSE SCHEDULE

Name of the Program: A Two Week Add-On Programme on MACHINE LEARNING APPLICATIONS
WITH PYTHON

08-11-2021 to 23-11-2021

SN	Date	Topic	Resource Person
1	08-11-2021	Introduction to Machine Learning	Prof. C Sethi
2	09-11-2021	Python for Machine Learning	Prof. C Sethi
3	10-11-2021	Introduction to Regression and its types	Prof. C Sethi
4	11-11-2021	Introduction to Classification	Prof. C Sethi
5	12-11-2021	Evaluation in Regression Models	Prof. C Sethi
6	13-11-2021	Multiple Linear Regression	Prof. C Sethi
7	15-11-2021	Introduction to Decission Treee and its Classification	Prof. C Sethi
8	16-11-2021	Logistic Regression Training	Prof. C Sethi
9	17-11-2021	Support Vector Machine	Prof. C Sethi
10	18-11-2021	Introduction to Clustering	Prof. C Sethi
11	19-11-2021	About K-Means	Prof. C Sethi
12	20-11-2021	More on K-Means	Prof. C Sethi
13	22-11-2021	Hands On Session	Prof. C Sethi
4	24-11-2021	Hands On Session	Prof. C Sethi

COORDINATOR

HOD

DIRECTOR 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



PROGRAM REPORT

Name of the Event: A Two Week Add-On Program on MACHINE LEARNING APPLICATIONS WITH PYTHON

Date: 08-11-2021 To 23-11-2021

Resource Person: Prof. C Sethi

Asst. Professor, Department of Computer Science,

MSB, Bhubaneswar.

Contact Number: 9861293070

Coordinator: Prof.Bibhudutta Tripathy

Asst. Professor, Department of Computer Science,

MSB. Bhubaneswar.

Number of students attended: 90

Venue: Conference Hall, MITS School of Biotechnology.

MITS school of Biotechnology, Bhubaneswar, organized a two week add-on program on MACHINE LEARNING APPLICATIONS WITH PYTHON for BCA final semester students. Prof. C Sethi was the resource person for the said event. Python, when used in machine learning, offers developers of all skill sets exceptional versatility and power. Developers can use Python to develop a variety of applications because it integrates well with other software while its simple syntax makes it a good choice for coding algorithms and collaborating across teams. Python also has a huge number of libraries and frameworks that are very good for machine learning (such as Scikit-Learn), which handle basic machine learning algorithms. Totally 90 students were participated in this training program and after the completion of the program they were able to understand the following objectives and learning outcomes.

Objectives:

- 1. Learning basic concepts of various machine learning methods is primary objective of this course.
- 2. This course specifically make student able to learn mathematical concepts.
- 3. Algorithms used in machine learning techniques for solving real world problems.
- Developing new applications based on machine learning.

Learning Outcomes:

- 1. To gain foundations of machine learning based subject or tools.
- 2. To understand industry need skills on ML projects.
- 3. To understand about the roles & responsibilities that a ML Engineer plays
- 4. To expertise basics and ML usage of Python
- 5. To work with online data in real time basis.

2(P), Infocity, Patia, Bhubaneswar Pin-751024 (Odisha), INDIA Website: www.msb.ac.in Email: principal@msb.ac.in 6. How to apply ML techniques on real world problem or to develop AI based applications.



This course was very useful to the students and their feedback is positive. The management and Professor (Dr.) G. K. Panda director of MSB thanked the resource person and participants for making the programme successful.

COORDINATOR

HOD

Director .
MITS School of Biotechnology
Bhubaneswar

Pg 2 of 2



Date: 25-02-2022

CIRCULAR

It is hereby informed to all final/pre-final year students of BCA that the Department of Computer Science of this institute is conducting a Two Week Add-On program on NATURAL LANGUAGE PROCESSING from 07-03-2022 to 23-03-2022. Interested students shall register their names at the office of the coordinator on or before 4 PM, 04-03-2022.

Venue of the Programme: Conference Hall, MITS School of Biotechnology.

Coordinator

: Prof. Bibhudatta Tripathy

Asst. Professor

Department of Computer Science MITS School of Biotechnology

Director .

MITS School of Sietechnology
Bhubaneswar

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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: , 04-03-2022

Email:bibhudatta2019@gmail.com
Address for Communication

Prof. Bibhudatta Tripathy Coordinator, Asst Professor Contact: +91-9040134987 Chief Patron

Er. Sriram Panda Chief Executive MITS Group

Patron

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

Convenor

Prof. Chhabi Sethi

Asst. Professor Dept. of Computer Science

Coordinator

Prof. Bibhudatta Tripathy
Asst Professor
Dept. of Computer Science

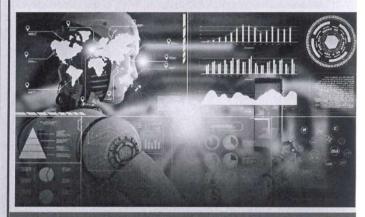
Advisory Committee

Prof. Bibhudatta Tripathy Dept. of Computer Science

Mr. S. Satrusallya Dept. of Chemistry

Dr. Satyananda Patel Dept. of Biotechnology

A TWO-WEEK ADD-ON PROGRAM ON



NATURAL LANGUAGE PROCESSING

ProgrammeSchedule

07-03-2022 to 23-03-2022



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 of programs 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

\bout Programme

This educational program serves as an initiation into the theories and methods involved in the comprehension and creation of natural language. It delves into crucial aspects such as stemming, which involves simplifying words to their root forms, lemmatization for identifying base words, and part-of-speech tagging to categorize words in a sentence. Parsing, another key topic, focuses on the structural analysis of sentences, while machine translation explores the process of automatically translating text from one language to another. Students will gain a comprehensive understanding of these fundamental concepts and in language processing and generation.



Objective of the Programme

In the realm of data literacy, it's imperative to differentiate between the concepts of data, information, and knowledge. Understanding that data serves as the raw material, which when processed and contextualized, transforms into information that carries meaning and significance, is a foundational aspect of data literacy. Furthermore, acknowledging the intrinsic value of data in society is vital



Resource Person

Prof. S. K. Nayak Head, Dept. of Computer Science MSB, Bhubaneswar



Date: 07-03-2022

REGISTERED STUDENT LIST

Name of the Programme: Two Week Add-On program on NATURAL LANGUAGE PROCESSING

07-03-2022 to 23-03-2022

SN	Reg. No		Voor Pronch	Signature
		Name of the Student	Year Branch	Signature
1	Y22CS01	KARUNA SANKAR NAIK	BCA 2 nd Year	KarunaSankan naik
2	Y22CS02	ANUSKA ANURITA MOHARANA	BCA 2 nd Year	Anska Soverita Makeputra
3	Y22CS03	ASHUTOSH PARIDA	BCA 2 nd Year	Ashetosh Parcida
4	Y22CS04	DEEPAK KUMAR SAHU	BCA 2 nd Year	Deepak tu Lacu
5	Y22CS05	AKASH KUMAR CHOUDHARI	BCA 2 nd Year	Stresh known Choyday
6	Y22CS06	BINAYA KUMAR BHUYAN	BCA 2 nd Year	Broyde Kurael Bheyen
7	Y22CS07	SUMIT OJHA	BCA 2 nd Year	Sumit Copha
8	Y22CS08	AUROSMARAN MOHAPATRA	BCA 2 nd Year	Aurosmanan Mahapatna
9	Y22CS09	PRAJOJITA MOHANTY	BCA 2 nd Year	prajojita Mohanty
10	Y22CS10	PRANAYA KUMAR SWAIN	BCA 2 nd Year	Pranaya Kuman
11	Y22CS11	AMAN KUMAR BADI	BCA 2 nd Year	Aman Kumar Badi
12	Y22CS12	ANKIT RAJ SAHU	BCA 2 nd Year	Husit daj belu
13	Y22CS13	SAMPAD KUMAR MOHAPATRA	BCA 2 nd Year	Sampad Kumun Mohrupatera
14	Y22CS14	AYUSH MALLICK	BCA 2 nd Year	Syush Mariet 9.
15	Y22CS15	SONALI ROUTRAY	BCA 2 nd Year	Jonaie Rouspay
16	Y22CS16	RAJESH KUMAR BEHERA	BCA 2 nd Year	Rajesh Kumore behores
17	Y22CS17	SUDHANSHU KUMAR SAHOO	BCA 2 nd Year	Sudhansku Kurav i av
18	Y22CS18	PRABHAKAR CHOUDHURY	BCA 2 nd Year	Preabhakar Choudhury
19	Y22CS19	RUDRA PRASAD ROUTRAY	BCA 2 nd Year	Reyser Project Partition
20	Y22CS20	ASHISH KUMAR SAHOO	BCA 2 nd Year	Ashish ty sachoo
21	Y22CS21	SRIRAM SEKHAR DASH	BCA 2 nd Year	Initem setthen Dugy
22	Y22CS22	SURAJ MANDAL	BCA 2 nd Year	Suraj mandal.
23	Y22CS23	MAHESH SAHOO	BCA 2 nd Year	Makeh Sahoo
				Manush samo

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51	Y22CS51	DIKSHA CHOUDHARY	BCA 2 nd Year	Ohimot bagh Disksha Choudhany
50	Y22CS50	CHINMAY DAS	BCA 2 nd Year	
49	Y22CS49	JYOTI RANJAN JENA	BCA 2 nd Year	Sibanarda Sahuo Joti Ragion Ana
48	Y22CS48	SIBANANDA SAHOO	BCA 2 nd Year	GA
47	Y22CS47	ASHISH KUMAR SAHOO	BCA 2 nd Year	A Shish Kumar Saloo
46	Y22CS46	SOHAN DASH	BCA 2 nd Year	Sahan doeb
45	Y22CS45	PRITIRANJAN MALLICK	BCA 2 nd Year	Pritiraijan mallick
44	Y22CS44	SUBRAT KUMAR SAHOO	BCA 2 nd Year	Wikhil pradhen Broborot Kumarso
43	Y22CS43	NIKHIL PRADHAN	BCA 2 nd Year	William Day Alay
42	Y22CS42	B.D CHANDRASEKHAR MOHANTA	BCA 2 nd Year	Red Charles Man
41	Y22CS41	PRABHU PRASAD PRUSTY	BCA 2 nd Year	Free Char De De
40	Y22CS40	SOUMYA RANJAN DASH	BCA 2 nd Year	Soumya Ranjan Dah
39	Y22CS39	PRATISH KUMAR SAHOO	BCA 2 nd Year	Poration Keyman Sahar
38	Y22CS38	SANGRAM SWAIN	BCA 2 nd Year	Songram Swain
37	Y22CS37	PREETISMITA SWAIN	BCA 2 nd Year	Prestismita Suain
36	Y22CS36	NIRLIPTA JENA	BCA 2 nd Year	X/interior
35	Y22CS35	ANANYA ROUTRAY	BCA 2 nd Year	Anarya Routray
34	Y22CS34	PRASANTA SATAPATHY	BCA 2 nd Year	Pracenta Catopath
33	Y22CS33	SAMBIT KUMAR PARIDA	BCA 2 nd Year	Sampil kee Pareda
32	Y22CS32	MONALISA SAMANTARAY	BCA 2 nd Year	Mondisa Samanthay
31	Y22CS31	ANIL KUMAR MADALA	BCA 2 nd Year	Fail hunger Madal
30	Y22CS30	ARPAN NAYAK	BCA 2 nd Year	Arepan nayak
29	Y22CS29	ASUTOSH NAYAK	BCA 2 nd Year	Ascibosh Najak
28	Y22CS28	TEHRIM SIDDIQA	BCA 2 nd Year	Tehoim siddiaa
27	Y22CS27	SAGAR BEHERA	BCA 2 nd Year	Sagan Behera
26	Y22CS26	BIBAKANANDA PANIGRAHI	BCA 2 nd Year	Beberanda Panjejico
25	Y22CS25	ASUTOSH PRADHAN	BCA 2 nd Year	Latosh Breadha
24	Y22CS24	SUNIL KUMAR SWAIN	BCA 2 nd Year	Suril Kumar Svai

for

52	Y22CS52	NIRUPAMA SWAIN	BCA 2 nd Year	Merrupama Swaren
53	Y22CS53	SIDHARTH KUMAR DASH	BCA 2 nd Year	Si dharith kuman daeh
54	Y22CS54	SANATANA PARIDA	BCA 2 nd Year	Sanatana Panida
55	Y22CS55	SAGAR BEHERA	BCA 2 nd Year	Sagar Bohera
56	Y22CS56	DEBASHIS PARIDA	BCA 2 nd Year	Debashis Parida
57	Y22CS57	MADHU MALA GHOSH	BCA 2 nd Year	Madhu mala ghosh
58	Y22CS58	SOUBHAGYA KUMAR DAS	BCA 2 nd Year	Soubhagga Kuman das
59	Y22CS59	MONALISHA SAHOO	BCA 2 nd Year	Monalisha Sahoo
60	Y22CS60	PRIYANKA PRIYADARSHINI MISHRA	BCA 2 nd Year	Preiganka Preigadensini Mishra
61	Y22CS61	PRAGATI BHAKAT	BCA 2 nd Year	Pragadi Bhakat
62	Y22CS62	RUCHISMITA SAHOO	BCA 2 nd Year	Ruchismita sahoo
63	Y22CS63	RAHUL KUMAR DAS	BCA 2 nd Year	Rahul kuman Das
64	Y22CS64	MANOJ KUMAR JENA	BCA 2 nd Year	Manoj Ky. Jena
65	Y22CS65	ASHUTOSH SAMAL	BCA 2 nd Year	Ashutosh Samal
66	Y22CS66	SATYAM KUMAR DAS	BCA 2 nd Year	Soctyam Kreman Jap
67	Y22CS67	BISWOJIT NAYAK	BCA 2 nd Year	Biswarit nayak.
68	Y22CS68	SUBHASMITA DASH	BCA 2 nd Year	Subnasmita Dash
69	Y22CS69	SUBHADARSHINI SAHOO	BCA 2 nd Year	Subhadanshini Sahoo
70	Y22CS70	YAJNASENI DAS	BCA 2 nd Year	Yainasenidas
71	Y22CS71	BADAL SINGH	BCA 2 nd Year	Yarnasenidas Badal Singh
72	Y22CS72	BISHAL SAHOO	BCA 2 nd Year	Bishal Bahoo
73	Y22CS73	SANDEEP BESHRA	BCA 2 nd Year	Sandeep beshra
74	Y22CS74	N.SOMYA RANJAN	BCA 2 nd Year	N. Sonyas Reenjan
75	Y22CS75	MANAS KUMAR SENAPATI	BCA 2 nd Year	
76	Y22CS76	BIBHUPRASAD MOHAPATRA	BCA 2 nd Year	BIBHUPTUSEN MORPHUR
77	Y22CS77	ANKITA PATRA	BCA 2 nd Year	Manas Ruman Senapat Bibhuthusas mohateta Ankita patna Annapurana Patra
78	Y22CS78	ANNAPURNA PATRA	BCA 2 nd Year	Agnapurena Patrice

79	Y22CS79	SIBRAJ ROSAN PALAI	BCA 2 nd Year	Cibroi Roshan Palai
80	Y22CS80	HRUSHIKESH BEHERA	BCA 2 nd Year	Sibraj Roshan Palai Hrushikesh Behera
81	Y22CS81	AMAN KUNJILWAR	BCA 2nd Year	Aman Kunjilware
82	Y22CS82	SUVENDU DAS	BCA 2nd Year	Suvendu das
83	Y22CS83	PALLAVI PRIYADARSHINI MAHALA	BCA 2 nd Year	Pallow Porigadansini Mahala
84	Y22CS84	SALONI PARIDA	BCA 2 nd Year	salon i parida
85	Y22CS85	OMM PRAKASH ROUT	BCA 2 nd Year	O. Prakaeh Pout
86	Y22CS86	CHIRANJEEV MALLICK	BCA 2 nd Year	Chiranseev mallia
87	Y22CS87	SUBHAM KUMAR PADHI	BCA 2 nd Year	Substankenar Pahi
88	Y22CS88	AISHWARYA DAS	BCA 2nd Year	Dishuarya des
89	Y22CS89	MANMAY NAIK	BCA 2 nd Year	Manmay nark.
90	Y22CS90	SUBHASIS BARADA	BCA 2 nd Year	Cybhalis Barado
91	Y22CS91	SUCHISMITA DASH	BCA 2 nd Year	Suchismita Dark
92	Y22CS92	PANKAJ BERA	BCA 2 nd Year	Pankaj Bera
93	Y22CS93	SNEHASHIS JENA	BCA 2 nd Year	Snehashis Jena
94	Y22CS94	SONALI DASH	BCA 2 nd Year	Sonali Dash
95	Y22CS95	KRUTIRANI MISHRA	BCA 2 nd Year	Krutirani Migha
96	Y22CS96	SIDHANTA SWAIN	BCA 2nd Year	Sidhanta Swai
97	Y22CS97	SISIR KANTA BEHERA	BCA 2nd Year	Sisis kanta behera

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Director
MITS School of Biotechnology
Bhubaneswar



COURSE SCHEDULE

Name of the Program: A Two Week Add-On Programme on NATURAL LANGUAGE PROCESSING 07-03-2022 to 23-03-2022

SN	Date	Topic	Resource Person
1	07-03-2022	Introduction to Natural Language Processing	Prof. S. K. Nayak
2	08-03-2022	Language Syntax and Structure	Prof. S. K. Nayak
3	09-03-2022	Applications of Natural Language Processing	Prof. S. K. Nayak
4	10-03-2022	Intensive review of Python programming	Prof. S. K. Nayak
5	11-03-2022	Introduction to Lambda Functions	Prof. S. K. Nayak
6	12-03-2022	Using Google Colaboratory	Prof. S. K. Nayak
7	14-03-2022	Working with Text Data	Prof. S. K. Nayak
8	15-03-2022	Introduction Text Processing and Analysis	Prof. S. K. Nayak
9	16-03-2022	Text cleaning and Tokenization	Prof. S. K. Nayak
10	17-03-2022	Removal of special characters	Prof. S. K. Nayak
11	18-03-2022	Correcting spellings	Prof. S. K. Nayak
12	19-03-2022	Removal of stopwords	Prof. S. K. Nayak
13	21-03-2022	Hands On Session	Prof. S. K. Nayak
14	22-03-2022	Hands On Session	Prof. S. K. Nayak
15	23-03-2022	Hands On Session	Prof. S. K. Nayak

COORDINATOR

HOD

MITS School of Blotechnology

Bhubaneswar

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



PROGRAM REPORT

24-03-2022

Name of the Event: A Two Week Add-On Programme on NATURAL LANGUAGE

PROCESSING

Date: 07-03-2022 To 23-03-2022

Resource Person: Prof. S. K. Nayak

Asst. Professor, Department of Computer Science,

MSB, Bhubaneswar.

Contact Number: 8270619465

Coordinator:

Prof. Bibhudatta Tripathy

Asst. Professor, Department of Computer Science,

MSB, Bhubaneswar.

Number of students attended: 97

Venue: Class Room, MITS School of Biotechnology.

MITS school of Biotechnology, Bhubaneswar, organized a two week add-on program on NATURAL LANGUAGE PROCESSING for BCA second year students. Prof. S. K. Nayak was the resource person for the said event. This course introduces the theory and methodology of natural language understanding and generation. Topics include stemming, lemmatization, parts of speech tagging, parsing, and machine translation. Totally 97 students were participated in this training program and after the completion of the program they were able to understand the following objectives and learning outcomes.

Objectives:

- 1. Data Literacy Distinguish between data, information, and knowledge.
- 2. Data Literacy Recognize that data can have value and play a key role in society by providing opportunities to expand knowledge, to innovate, and to influence.
- 3. Data Science Organize, visualize, and analyze large, complex datasets using descriptive statistics and graphs to make decisions.

Learning Outcomes:

1. Analyze the syntax, semantics, and pragmatics of a statement written in a natural language.

Pg 1 of 2

- 2. Develop a conversational agent that uses natural language understanding and generatio.
- 3. Apply machine learning algorithms to natural language processing.
- 4. Write scripts and applications in Python to carry out natural language processing using libraries such as NLTK, Gensim, and spaCY.



A Two Week Add-On Program on **NATURAL LANGUAGE PROCESSING**, 07-03-2022 To 23-03-2022, Prof. S. K. Nayak.

This course was very useful to the students and their feedback is positive. The management and Professor (Dr.) G. K. Panda director of MSB thanked the resource person and participants for making the programme successful.

COORDINATOR

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Director .

MITS School of Slotechnology

Bhubaneswar



Date: 04-03-2022

CIRCULAR

It is hereby informed to all final/pre-final year students of BSc-Biotechnology that the Department of Biotechnology of this institute is conducting a Two Week Add-On Program on **HANDS-ON MASTERY OF RT-PCR** from **16-03-2022** to **04-04-2022**. Interested students shall register their names at the office of the coordinator on or before 4 PM, 12-03-2022.

Venue of the Programme: Conference Hall, MITS School of Biotechnology.

Coordinator

: Dr. Smaranika Sahoo

Asst. Professor

Department of Biotechnology MITS School of Biotechnology

DIRECTOR
Director
MITS School of Eletechnology
Bhubaneswar

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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: 14.03.2022

Address for Communication

Prof. Siddhartha Parida Coordinator

Associate Professor

Contact: +91-9437089337

Chief Patron

Er. Sriram Panda Chief Executive MITS Group

Patron

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

Convenor Dr. Mousumi Mishra Asst. Prof.

Dept. of Biotechnology

Coordinator

Prof. Siddhartha Parida Associate Professor Dept. of Biotechnology

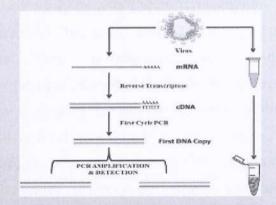
Advisory Committee

Dr. Tarini Charan Kar Dept. of Biotechnology

Mr. S. Satrusallya Dept. of Chemistry

Ms. Aishwarya Sarangi Dept. of Biotechnology

A TWO-WEEK ADD-ON PROGRAM ON



HANDS-ON MASTERY OF RT-PCR

Proram Schedule

16-03-2022 To 04-04-2022



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 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

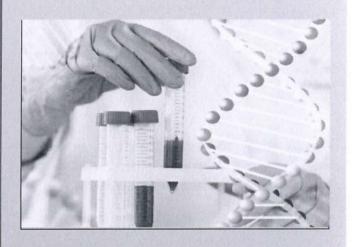
About Programme

The "Hands-On Mastery of RT-PCR" program is an extensive and comprehensive training course designed to equip participants with the skills and knowledge necessary to become proficient in Reverse Transcription Polymerase Chain Reaction (RT-PCR). This program is suitable for both beginners with limited prior experience and individuals looking to deepen their expertise in RT-PCR techniques. This program equips participants with a valuable skill set that can be applied in various research, clinical, and diagnostic settings. It empowers individuals to contribute to advancements in molecular biology and healthcare.



Objective of the Programme

The main objective of the program has five verticals:Understand the fundamental principles of RT-PCR, Master the entire RT-PCR workflow, from sample preparation to data analysis, Develop practical skills in RT-PCR technique execution, Learn how to troubleshoot common issues in RT-PCR experiments, Gain the ability to analyze and interpret RT-PCR data effectively.



Resource Person

Dr. S N Patel
Asst. Prof Department of Biotechnology
MSB, Bhubaneswar



Date: 15-03-2022

REGISTERED STUDENT LIST

Name of the Programme: A Two Week Add-On Program on

HANDS-ON MASTERY OF RT-PCR 16-03-2022 to 04-04-2022

SN	Reg. No	Name of the Student	Year Branch	Signature
1	Y22UB01	ABHIPSA BEHERA	3 rd Year BSc BT	Abhipsa Beherra
2	Y22UB02	ABHISHEK AMAN KUMAR	3 rd Year BSc BT	Abhishek A. Kumaos.
3	Y22UB03	ABINASH HOTA	3 rd Year BSc BT	Abenash Hota
4	Y22UB04	BAIBHAV SISUGOSWAMI	3 rd Year BSc BT	Bou bhay SISWCrosus
5	Y22UB05	BHUPESH KUMAR DAS	3 rd Year BSc BT	Bhuperh Kuman Das
6	Y22UB06	BIDYASHREE PATTNAIK	3 rd Year BSc BT	Bisakha Rout
7	Y22UB07	BISAKHA ROUT	3 rd Year BSc BT	Bédzashree pattnail
8	Y22UB08	BISWA PRANGYA KHATOI	3 rd Year BSc BT	Bisura Prangya Kho
9	Y22UB09	BISWASHREE DEBATA	3 rd Year BSc BT	Bishashree Debata
10	Y22UB10	CHANDRAMA KUMARI	3 rd Year BSc BT	Chandreama kumarui
11	Y22UB11	CHINMAYA BEHERA	3 rd Year BSc BT	Chinmaya Behera
12	Y22UB12	CHIRANJEEB ROUTRAY	3 rd Year BSc BT	Chirandeeh routray
13	Y22UB13	D JHANSI RANI	3 rd Year BSc BT	D Thansi Rani
14	Y22UB14	DEBAJYOTI DAS	3 rd Year BSc BT	Debaiyoti Das
15	Y22UB15	DEBASHREE DAS	3 rd Year BSc BT	Pelsashnee Pas
16	Y22UB16	DEEPTIDIPSIKHA SAHOO	3 rd Year BSc BT	Deeptidipsikha Saho
17	Y22UB17	DIBYANSU KUMAR JENA	3 rd Year BSc BT	Dibyansu Kumar Jen
18	Y22UB18	HAJRA BIBI	3 rd Year BSc BT	Hajka Bibi
19	Y22UB19	KRISHNA KASTURIKA BHOL	3 rd Year BSc BT	Krishna Karturika
20	Y22UB20	LOPAMUDRA SINGH	3 rd Year BSc BT	Lopamudna Singh
21	Y22UB21	MANISA DAS	3 rd Year BSc BT	Manisa Das
22	Y22UB22	MINAKSHI KAR	3 rd Year BSc BT	Minakshi Kar
23	Y22UB23	OMM PATI	3 rd Year BSc BT	Omm Parti.
24	Y22UB24	PRAGYAN PARAMITA SAHOO	3 rd Year BSc BT	Praggan P. Salu
25	Y22UB25	PRANNAY KUMAR BEHERA	3 rd Year BSc BT	Prannay ku Behera
26	Y22UB26	PRATIBHA PANDA	3 rd Year BSc BT	Priatible Panda
27	Y22UB27	PREETI PRIYANKA PUROHIT	3 rd Year BSc BT	Prarray Ku Behera Poratibher Panda Pereeti P Purahit

Pg 1 of 2

28	Y22UB28	PRITI PRIYADARSHINI SAHOO	3 rd Year BSc BT	Prini Priyadarshini
29	Y22UB29	PRIYAMBADA SWAIN	3 rd Year BSc BT	Priyambada Swain
30	Y22UB30	PRIYANKA SAMAL	3 rd Year BSc BT	Pospoka Samal
31	Y22UB31	PUSHPANJALI SINGH	3 rd Year BSc BT	PushPansali Singh
32	Y22UB32	RASHMI RANJAN BABOO	3 rd Year BSc BT	Rashmi Ranjan Babao
33	Y22UB33	RITUPURNA PAIKARAY	3 rd Year BSc BT	Réfurence Pai Karray
34	Y22UB34	ROJALIN JENA	3 rd Year BSc BT	Rojalin Jena
35	Y22UB35	RUTUPARNA SHA	3 rd Year BSc BT	Rutu paurna Sha
36	Y22UB36	SAI CHANDAN SAHOO	3 rd Year BSc BT	Sai Chandan Jahoo
37	Y22UB37	SAI SAMIKSHYA SAHU	3 rd Year BSc BT	Sad Samikshya Suhoo
38	Y22UB38	SAISNIGDHA NAYAK	3 rd Year BSc BT	Sais warupa Nayak
39	Y22UB39	SAISWARUPA NAYAK	3 rd Year BSc BT	Saiswarupa Neujak
40	Y22UB40	SMITA MISHRA	3 rd Year BSc BT	Smita Mishad.
41	Y22UB41	SMITA RANI BISWAL	3 rd Year BSc BT	Smita rani biswal
42	Y22UB42	SOUMYA DARSHAN PUHAN	3 rd Year BSc BT	Soumya Darshan Pyhan
43	Y22UB43	SRADHA SUMAN MOHANTY	3 rd Year BSc BT	Sreadha Suman Mohanty
44	Y22UB44	SRESHTHA SENGUPTA	3 rd Year BSc BT	seeshtha sengupta
45	Y22UB45	SRITAM KUMAR DASH	3 rd Year BSc BT	Snitam Kumar Darh
46	Y22UB46	SWATI SUMAN MISHRA	3 rd Year BSc BT	Smati Suman Mightia
47	Y22UB47	SWETALINA PRIYADARSINI	3 rd Year BSc BT	
48	Y22UB48	TAPASWINI SAMANTARAY	3 rd Year BSc BT	
49	Y22UB49	UPASANA NAYAK	3 rd Year BSc BT	Wasaga Najak
50	Y22UB50	ZAHRA PARWEZ	3 rd Year BSc BT	V \

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DIRECTOR
Director
MITS School of Biotechnology
Bhubaneswar



Date: 16-03-2022

REGISTERED STUDENT LIST

Name of the Programme: A Two Week Add-On Program on HANDS-ON MASTERY OF RT-PCR

16-03-2022 to 04-04-2022

SN	Reg. No	Name of the Student	Year Branch	Signature
51	Y22UB51	AFREEN JAHAN	3 rd Year BSc BT	Afreen Jahan
52	Y22UB52	AKANKSHYA RANI DASH	3 rd Year BSc BT	Akankshya Ranse
53	Y22UB53	ALISHA BEHURA	3 rd Year BSc BT	disha BehitoR
54	Y22UB54	AMARJIT GIRI	3 rd Year BSc BT	Advantit Giri
55	Y22UB55	ANANYA PANJA	3 rd Year BSc BT	Ananya Dania
56	Y22UB56	ANKITA ANURADHA SAMAL	3 rd Year BSc BT	Ankifa Anuradha Samul
57	Y22UB57	ANKITA MISHRA	3 rd Year BSc BT	Anxita Mishon
58	Y22UB58	ANKITA MOHANTY	3 rd Year BSc BT	Duela Malarla
59	Y22UB59	ANKITA PRIYADARSHANI ROUT	3rd Year BSc BT	Agusta Preyadare her Roug
60	Y22UB60	ANKITA ROUT	3 rd Year BSc BT	Oneira fout.
61	Y22UB61	ANSHUMAN DASH	3 rd Year BSc BT	Ansuman Dash
62	Y22UB62	ANUROOPA SAHOO	3 rd Year BSc BT	Amunospa Sahon
63	Y22UB63	ARUSMITA DAS	3 rd Year BSc BT	Sorlow Das
64	Y22UB64	AYUSHI DAS	3 rd Year BSc BT	Ayushi Dor
65	Y22UB65	B ANAJELINA	3 rd Year BSc BT	B. Anaselina
66	Y22UB66	BADAL KUMAR SAHOO	3 rd Year BSc BT	Brodal K. Sahoo
67	Y22UB67	HAREKRUSHNA DAS	3 rd Year BSc BT	Harekrushna Das
68	Y22UB68	HITANSHU MOHARANA	3 rd Year BSc BT	Hitanshu Moharana.
69	Y22UB69	JASMIN VIMAL	3 rd Year BSc BT	Jasmin / rim of
70	Y22UB70	JAYA JAYSUDHA	3 rd Year BSc BT	Jaya Jaysordha
71	Y22UB71	JAYSHREE DAS	3 rd Year BSc BT	Joyashoee Das
72	Y22UB72	KASHISH AFREEN	3 rd Year BSc BT	Kashirh Afreen
73	Y22UB73	MONALISA NAYAK	3 rd Year BSc BT	Monalisa Nayak
74	Y22UB74	MONALISA PARIDA	3 rd Year BSc BT	Monailsha Parida
75	Y22UB75	MOUSUMI PRYADARSANI SETHY	3 rd Year BSc BT	Mousierro Trigadorfero Sex
76	Y22UB76	PAYAL CHOUDHURY	3 rd Year BSc BT	Payal Choudhusy
77	Y22UB77	PAYAL TRIPATHY	3rd Year BSc BT	

Pg 1 of 2

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78	Y22UB78	PHOEBE MARGARET	3 rd Year BSc BT	Phoese Mangarret
79	Y22UB79	PIYUSH MOHAPATRA	3 rd Year BSc BT	Pivush mahapatra
80	Y22UB80	PRADYUMNA PANDA	3 rd Year BSc BT	De drama D
81	Y22UB81	PRAGATI SWAIN	3 rd Year BSc BT	Pragalo Sacato
82	Y22UB82	PRAGYAN PARAMITA SETHI	3rd Year BSc BT	Pragyay Puranaka Celu
83	Y22UB83	PRINCE KUMAR BEHERA	3rd Year BSc BT	Prince Ku Beherra
84	Y22UB84	SAKSHYAMA PAIKARAY	3 rd Year BSc BT	Jaksh yourga Daré katoy
85	Y22UB85	SAMYAK KANJILAL	3rd Year BSc BT	Samarake Kujijal
86	Y22UB86	SANDEEP KUMAR PALAI	3rd Year BSc BT	
87	Y22UB87	SANDEEP KUMAR PANDA	3 rd Year BSc BT	Sanderp Kumara palai Sanderp K. Panda
88	Y22UB88	SATABDI BEHERA	3 rd Year BSc BT	Satubadi Behera
89	Y22UB89	SATAKSHI SATAPATHY	3rd Year BSc BT	Stolekie Char A
90	Y22UB90	SATWIK SHUBHAM	3 rd Year BSc BT	Saturk Subban
91	Y22UB91	SHIBANI MOHANTY	3rd Year BSc BT	Shibani mohanta
92	Y22UB92	SHIBASHISH ABHIJIT SAHU	3rd Year BSc BT	Shibashis Abhilit Cahu
93	Y22UB93	SHOMYA RANJAN MOHAPATRA	3 rd Year BSc BT	Shomya Roman Mcharley
94	Y22UB94	SHREYOSEE CHATTERJEE	3rd Year BSc BT	Shoeyosee chateries
95	Y22UB95	SIBASISH SARANGI	3 rd Year BSc BT	Sibasish Sevangi
96	Y22UB96	SOFIA SATAPATHY	3 rd Year BSc BT	Sofia Satopathy
97	Y22UB97	SOMPREETI PAUL	3 rd Year BSc BT	Rompreet Page
98	Y22UB98	SONALI BARIK	3rd Year BSc BT	Sonale Barin
99	Y22UB99	SUBHAJYOTI LENKA	3 rd Year BSc BT	Suphappfi Lenka.
100	Y22UB100	SUBHALAXMI MALL	3 rd Year BSc BT	Subholarini Mall.
101	Y22UB101	SUBHASHREE SWAIN	3 rd Year BSc BT	Scebhoshree Swain
102	Y22UB102	SUDESHNA PATRA	3 rd Year BSc BT	Suleshma Patria
103	Y22UB103	SUMAN SOUVAGYA	3 rd Year BSc BT	Suman Souvagga
104	Y22UB104	SUPRIYA MOHANTY	3 rd Year BSc BT	Supricy a Mohanty
105	Y22UB105	SURABHI KUMARI	3 rd Year BSc BT	Surabli kumari

Smaranika lahu

DIRECTOR
Director
MITS School of Biotechnology Bhubaneswar



COURSE SCHEDULE

Name of the Program: A Two Week Add-On Program on HANDS-ON MASTERY OF RT-PCR 16-03-2022 To 04-04-2022

SN	Date	Topic	Resource Person
1	16-03-2022	Introduction to Molecular Biology and PCR	Dr. S N Patel
2	17-03-2022	Laboratory Safety and Equipment Orientation & RT- PCR Reagents and Materials	Dr. S N Patel
3	18-03-2022	Primer Design and Target Selection	Dr. S N Patel
4	21-03-2022	RNA Extraction and cDNA Synthesis	Dr. S N Patel
5	22-03-2022	RT-PCR Master Mix Preparation	Dr. S N Patel
6	23-03-2022	Running RT-PCR Experiments.	Dr. S N Patel
7	24-03-2022	Data Collection and Analysis.	Dr. S N Patel
8	25-03-2022	Gel Electrophoresis and Melting Curve Analysis.	Dr. S N Patel
9	26-03-2022	Data Interpretation and Reporting.	Dr. S N Patel
.0	28-03-2022	Digital PCR and Its Advantages.	Dr. S N Patel
1	29-03-2022	RT-PCR for Gene Expression Profiling & Clinical Diagnostics with RT-PCR.	Dr. S N Patel
2	30-03-2022	Recent Advances and Future Trends.	Dr. S N Patel
3	02-04-2022	Hands On Session	Dr. S N Patel
4	04-04-2022	Hands On Session	Dr. S N Patel

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COORDINATOR

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

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PROGRAM REPORT

05-04-2022

Name of the Event: A Two Week Add-On Program on HANDS-ON MASTERY OF RT-PCR

Date: 16-03-2022 To 02-04-2022

Resource Person: Dr. S N Patel

Assoc. Professor,

Dept. of Biotechnology, MSB, Bhubaneswar.

Contact Number: 7735266465

Coordinator:

Dr. Smaranika Sahoo

Asst. Professor,

Dept. of Biotechnology, MSB, Bhubaneswar

Number of students attended: 105

Venue: Seminar Hall, MITS School of Biotechnology.

MITS school of Biotechnology, Bhubaneswar, organized a two week add-on program on **HANDS-ON MASTERY OF RT-PCR** for BSc-Biotechnology students by the resource person Dr. S N Patel. This program is an extensive and comprehensive training course designed to equip participants with the skills and knowledge necessary to become proficient in Reverse Transcription Polymerase Chain Reaction (RT-PCR). Totally 105 students participated in this training program and after the completion of the program they were able to understand the following objectives and learning outcomes.

Objectives:

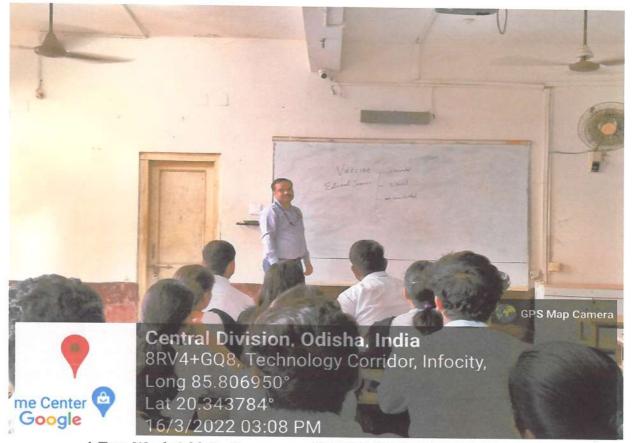
- 1. Understand the fundamental principles of RT-PCR.
- 2. Master the entire RT-PCR workflow, from sample preparation to data analysis.
- 3. Develop practical skills in RT-PCR technique execution.
- 4. Learn how to troubleshoot common issues in RT-PCR experiments.
- 5. Gain the ability to analyse and interpret RT-PCR data effectively.

Learning Outcomes:

1. Proficiency in conducting RT-PCR experiments from sample preparation to data analysis.

Pg 1 of 2

- 2. The ability to design specific primers for target genes.
- 3. Strong troubleshooting skills to resolve common RT-PCR issues.
- 4. Competence in analysing and interpreting RT-PCR data accurately.
- 5. Knowledge of advanced RT-PCR applications and emerging trends.



A Two Week Add-On Program on HANDS-ON MASTERY OF RT-PCR, 16-03-2022 To 04-04-2022, Dr. S N Patel

This course was very useful to the students of BSc-Biotechnology and their feedback is positive. The management and Professor (Dr.) G. K. Panda, Director of MSB thanked to the resource person and participants for making the programme successful.

S. Jalu

COORDINATOR

MITS School of Biotechnology Bhubaneswar



Date: 22-11-2021

CIRCULAR

It is hereby informed to all final/pre-final year students of BSc-Biotechnology that the Department of Biotechnology of this institute is conducting a Two Weeks Add-On Program on **RELATIONSHIP ON FOOD HABITS AND LIFESTYLE DISEASES** from **01-12-2021**to **17-12-2021**. Interested students shall register their names at the office of the coordinator on or before 4 PM, 26-11-2021.

Venue of the Programme: Conference Hall, MITS School of Biotechnology.

Coordinator

: Dr. Smaranika Sahu

Asst. 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:
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: 26-11-2021

Email: smaranikasahu1@gmail.com
Address for Communication

Dr. Smaranika Sahu Coordinator, Asst Professor Contact: +91-8763177859

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. Smaranika Sahu Asst Professor Dept. of Biotechnology

Advisory Committee

Dr. Manisha Patnaik
Dept. of Biotechnology

Mr. S. Satrusallya Dept. of Chemistry

Dr. Swati Mishra
Dept. of Biotechnology

A TWO-WEEK ADD-ON PROGRAM ON



RELATIONSHIP ON FOOD HABITS AND LIFESTYLE DISEASES

Proram Schedule 01-12-2021to 17-12-2021



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

This curriculum is crafted to offer participants an in-depth insight into the intricate relationship between dietary preferences and the emergence of lifestyle-related ailments such as diabetes, heart disease, obesity, and hypertension. It endeavors to enhance their knowledge on how food choices play a pivotal role in influencing health outcomes. Through this program, attendees will gain valuable knowledge to navigate and make informed decisions regarding their diet for a healthier lifestyle.



Objective of the Programme

This program is meticulously designed with three key objectives. Firstly, it aims to provide participants with a comprehensive understanding of the intricate link between diet and lifestyle diseases, shedding light on how food habits directly contribute to the development of conditions like diabetes, heart disease, and obesity.



Resource Person

Ms. Barsha Samantaray
Asst. Prof.
Department of Biotechnology MSB,

Bhubaneswar



Date: 01-12-2021

REGISTERED STUDENT LIST

Name of the Programme: Two Week Add-On program on RELATIONSHIP ON FOOD
HABITS AND LIFESTYLE DISEASES
01-12-2021 to 17-12-2021

SN	Reg. No	Name of the Student	Year Branch	Signature
1	Y21UB01	ADITYA NARAYAN SAHOO	2nd Year BSc-BT	Aditya Narrayan Serhar
2	Y21UB02	AISWARYA SAHOO	2nd Year BSc-BT	Aiscorga Sahor
3	Y21UB03	AISWARYA SWAIN	2nd Year BSc-BT	Aisharya Shain.
4	Y21UB04	ALOK KUMAR BEHERA	2nd Year BSc-BT	Alok Kurar behena
5	Y21UB05	AMISHA SAHU	2nd Year BSc-BT	Amusha sahu
6	Y21UB06	ANINDYA MONDAL	2nd Year BSc-BT	
7	Y21UB07	ANJANEYA SAMANTARAY	2nd Year BSc-BT	Anindya Mondal An Janaga Samandra
8	Y21UB08	ANKITA GIRI	2nd Year BSc-BT	Ankita Giri
9	Y21UB09	ANKITA PRUSTY	2nd Year BSc-BT	Ankita Prousty
10	Y21UB10	ARCHANA KUMARI	2nd Year BSc-BT	Arochana Kumaroż
11	Y21UB11	ASUTOSH MOHARANA	2nd Year BSc-BT	Ashutosh Moharana
12	Y21UB12	BABITA MOHANTA	2nd Year BSc-BT	Bobita Mohanta
13	Y21UB13	BHAGYODEV MALLIK	2nd Year BSc-BT	Bhagyoder mallik
14	Y21UB14	BIJAYALAXMI ROUT	2nd Year BSc-BT	Bijayalanni Rout
15	Y21UB15	BISWAJIT MANTRI	2nd Year BSc-BT	Biswajit Mantri
16	Y21UB16	DEBASMITA SWAIN	2nd Year BSc-BT	Bebasmita Swain.
17	Y21UB17	DIBYANSU KANUNGO	2nd Year BSc-BT	Dibyaneze Kanungo.
18	Y21UB18	GAYATRI SWAIN	2nd Year BSc-BT	Gayatri Swain
19	Y21UB19	JAGAT YADAV	2nd Year BSc-BT	Jagat Yadav
20	Y21UB20	JAYASMIN PATRA	2nd Year BSc-BT	Jaygismin Patora
21	Y21UB21	KESHAB TRIPATHY	2nd Year BSc-BT	Keshab TiciPathy
22	Y21UB22	KRISHNA SAHOO	2nd Year BSc-BT	Krishna Sahoo
23	Y21UB23	LALITA SWAIN	2nd Year BSc-BT	Lalifa Swain
24	Y21UB24	LIPSA RANI PRADHAN	2nd Year BSc-BT	Lipsa Ran: Pirradhan
25	Y21UB25	MANAS NIRMALYA SAHOO	2nd Year BSc-BT	Manas Niveralya Sahoo
26	Y21UB26	MANASWINI DAS	2nd Year BSc-BT	Manascrini Das

Pg1 of 3

21.2

Y21UB27	MADMACDADCHIDAC	1	
	MARMASPARSHI DAS	2nd Year BSc-BT	Maxmasparshi Das
Y21UB28	MD. AAMIR KHAN	2nd Year BSc-BT	Md. Aamin Khan
Y21UB29	MEGHNA PATTANAIK	2nd Year BSc-BT	Meghna Pattanais
Y21UB30	MITALI MADHUSMITA SWAIN	2nd Year BSc-BT	Mitali MadhusmitasHain
Y21UB31	MONALSA BEHERA	2nd Year BSc-BT	Monalsa Behera
Y21UB32	MUSKAN PARWEEN	2nd Year BSc-BT	Muskan Parween
Y21UB33	NAMRADIPA JENA	2nd Year BSc-BT	Namradipa Jena
Y21UB34	NANDINI CHAUHAN	2nd Year BSc-BT	Nandini Chauhan
Y21UB35	NEHA NAYAK	2nd Year BSc-BT	Neha Nayak
Y21UB36	NIBEDITA NANDY	2nd Year BSc-BT	Nibedita nandy
Y21UB37	NITISH KUMAR SAHOO	2nd Year BSc-BT	Mitich Kurarsahoo
Y21UB38	PARIDHI AGRAWAL	2nd Year BSc-BT	Paridhi Agricul
Y21UB39	POOJA PRIYADARSINI BEHERA	2nd Year BSc-BT	Preachurya Mishria
Y21UB40	PRACHURYA MISHRA	2nd Year BSc-BT	Prachusya Mishoo
Y21UB41	PRADYUMNA DAS	2nd Year BSc-BT	Pradyumna ohs
Y21UB42	PRAGNYA PRIYADARSANI KHETI	2nd Year BSc-BT	Praguiga Przya daninikh
Y21UB43	PRATISHRUTI PRADHAN	2nd Year BSc-BT	Proteshrutiproduch
Y21UB44	PRITY SAMAL	2nd Year BSc-BT	Prity dance
Y21UB45	PRIYADARSHINEE SWAIN	2nd Year BSc-BT	Priyadarzshinee Swain
Y21UB46	PRIYANKA MOHAPATRA	2nd Year BSc-BT	Priyanka Mohapatna
Y21UB47	PURBI RAY	2nd Year BSc-BT	Punpi Ray
Y21UB48	RAJLAXMI DILIP ROUT	2nd Year BSc-BT	Rajalaxmi dilip Rat
Y21UB49	RANI GOCHHAYAT	2nd Year BSc-BT	Rani Crochhayat
Y21UB50	RITUPARNA KHADIA	2nd Year BSc-BT	Rituparena Khadia
Y21UB51	SAIJYOTI SAHOO	2nd Year BSc-BT	Sou'l byti chahan
Y21UB52	SANDIP SUBHANKAR NAYAK	2nd Year BSc-BT	Sandip Subhankar Nayak
Y21UB53	SANGITA SAHOO	2nd Year BSc-BT	Sargita Sahoo
Y21UB54	SHRABANI DASH	2nd Year BSc-BT	Shrapani Dash
Y21UB55	SHRUTI SWEETY GURIA	2nd Year BSc-BT	Shouti Sweety Garia.
Y21UB56	SHRUTILIPI DAS	2nd Year BSc-BT	Show Doi Do
Y21UB57	SHWETA DAS	2nd Year BSc-BT	Showeta clas
	721UB29 721UB30 721UB31 721UB32 721UB33 721UB34 721UB35 721UB36 721UB37 721UB38 721UB39 721UB40 721UB41 721UB42 721UB43 721UB43 721UB44 721UB45 721UB45 721UB46 721UB47 721UB48 721UB48 721UB48 721UB49 721UB50 721UB51 721UB52 721UB53 721UB53	MEGHNA PATTANAIK MITALI MADHUSMITA SWAIN MITALI MADHUSMITA SWAIN MONALSA BEHERA MUSKAN PARWEEN MUSKAN PAR	MEGHNA PATTANAIK 2nd Year BSc-BT (21UB30 MITALI MADHUSMITA SWAIN 2nd Year BSc-BT (21UB31 MONALSA BEHERA 2nd Year BSc-BT (21UB32 MUSKAN PARWEEN 2nd Year BSc-BT (21UB33 NAMRADIPA JENA 2nd Year BSc-BT (21UB34 NANDINI CHAUHAN 2nd Year BSc-BT (21UB35 NEHA NAYAK 2nd Year BSc-BT (21UB36 NIBEDITA NANDY 2nd Year BSc-BT (21UB37 NITISH KUMAR SAHOO 2nd Year BSc-BT (21UB39 POOJA PRIYADARSINI BEHERA (21UB40 PRACHURYA MISHRA 2nd Year BSc-BT (21UB41 PRADYUMNA DAS 2nd Year BSc-BT (21UB42 PRAGNYA PRIYADARSANI KHETI (21UB43 PRATISHRUTI PRADHAN 2nd Year BSc-BT (21UB44 PRITY SAMAL 2nd Year BSc-BT (21UB45 PRIYADARSHINEE SWAIN 2nd Year BSc-BT (21UB46 PRIYANKA MOHAPATRA 2nd Year BSc-BT (21UB47 PURBI RAY (21UB48 RAJLAXMI DILIP ROUT 2nd Year BSc-BT (21UB49 RANI GOCHHAYAT 2nd Year BSc-BT (21UB50 RITUPARNA KHADIA 2nd Year BSc-BT (21UB51 SAIJYOTI SAHOO 2nd Year BSc-BT (21UB53 SANDIP SUBHANKAR NAYAK 2nd Year BSc-BT (21UB55 SHRUTI SWEETY GURIA 2nd Year BSc-BT

Y21UB58	SIDHI SIDHESWAR SAHOO	2nd Year BSc-BT	Sidhi sidheswar sahar
Y21UB59	SMRUTISHREE ROUTRAY	2nd Year BSc-BT	Imreutishmee Routmay.
Y21UB60	SONALI PARIDA	2nd Year BSc-BT	Sonali Parida
Y21UB61	SONIA SOREN	2nd Year BSc-BT	sonia Somen
Y21UB62	SOUMYA RANJAN SWAIN	2nd Year BSc-BT	Souma Manjan Swain
Y21UB63	SRIMAN BRAJESWAR KHUNTIA	2nd Year BSc-BT	Griman, Ranjan Swain
Y21UB64	SUBHADRA MOHANTY	2nd Year BSc-BT	Subadrea Mohandy
Y21UB65	SUBHASHREE MOHAPATRA	2nd Year BSc-BT	Subhashnee Mohard
Y21UB66	SUBHASHREE PADHY	2nd Year BSc-BT	Subhashare Padhy
Y21UB67	SUBHASHREE PRIYADARSHINE MANDHATA	2nd Year BSc-BT	Subhashree Priyadonshin Mandhata.
Y21UB68	SUBHASMITA DASH	2nd Year BSc-BT	Subhasmita Dash
Y21UB69	SUCHISMITA MALLICK	2nd Year BSc-BT	Buchismita mallick
Y21UB70	SUMIT MONDAL	2nd Year BSc-BT	Sumit Mondal
Y21UB71	SUNITA RANI MOHAPATRA	2nd Year BSc-BT	Suniter Rani Mohaputra
Y21UB72	SUSHREE NOOPUR SAHOO	2nd Year BSc-BT	Sushree noopuniohapatra
Y21UB73	SUSIL BARAL	2nd Year BSc-BT	Susil Banal
Y21UB74	SUSMITA GHOSH	2nd Year BSc-BT	Susmita Ghosh
Y21UB75	SUVENDU NAYAK	2nd Year BSc-BT	Swendy Nayak
Y21UB76	TANAVI SINGH	2nd Year BSc-BT	Tanavi Singh
Y21UB77	TANMESHA PANDA	2nd Year BSc-BT	Tanonesha Panda
Y21UB78	TAPASWINI PRADHAN	2nd Year BSc-BT	Terpaswini Rosadhaus
Y21UB79	YOJANAJYOTI PRADHAN	2nd Year BSc-BT	Yojanajyoti Pradham.
	Y21UB59 Y21UB60 Y21UB61 Y21UB62 Y21UB63 Y21UB64 Y21UB65 Y21UB66 Y21UB67 Y21UB68 Y21UB69 Y21UB70 Y21UB71 Y21UB72 Y21UB73 Y21UB74 Y21UB75 Y21UB76 Y21UB77 Y21UB77	Y21UB59 SMRUTISHREE ROUTRAY Y21UB60 SONALI PARIDA Y21UB61 SONIA SOREN Y21UB62 SOUMYA RANJAN SWAIN Y21UB63 SRIMAN BRAJESWAR KHUNTIA Y21UB64 SUBHADRA MOHANTY Y21UB65 SUBHASHREE MOHAPATRA Y21UB66 SUBHASHREE PADHY Y21UB67 SUBHASHREE PRIYADARSHINE MANDHATA Y21UB68 SUBHASMITA DASH Y21UB70 SUMIT MONDAL Y21UB71 SUNITA RANI MOHAPATRA Y21UB72 SUSHREE NOOPUR SAHOO Y21UB73 SUSIL BARAL Y21UB74 SUSMITA GHOSH Y21UB75 SUVENDU NAYAK Y21UB76 TANAVI SINGH Y21UB77 TANMESHA PANDA Y21UB78 TAPASWINI PRADHAN	Y21UB59 SMRUTISHREE ROUTRAY Y21UB60 SONALI PARIDA Y21UB61 SONIA SOREN Y21UB62 SOUMYA RANJAN SWAIN Y21UB63 SRIMAN BRAJESWAR KHUNTIA Y21UB64 SUBHADRA MOHANTY Y21UB65 SUBHASHREE MOHAPATRA Y21UB66 SUBHASHREE PADHY Y21UB67 SUBHASHREE PRIYADARSHINE MANDHATA Y21UB68 SUBHASMITA DASH Y21UB69 SUCHISMITA MALLICK Y21UB70 SUMIT MONDAL Y21UB71 SUNITA RANI MOHAPATRA Y21UB72 SUSHREE NOOPUR SAHOO Y21UB73 SUSIL BARAL Y21UB74 SUSMITA GHOSH Y21UB75 SUVENDU NAYAK Y21UB76 TANAVI SINGH Y21UB77 TANMESHA PANDA Y21UB78 TAPASWINI PRADHAN Y21UB78 TAPASWINI PRADHAN Y21UB78 TAPASWINI PRADHAN Y21UB77 TANMESHA PANDA Y21UB78 TAPASWINI PRADHAN

COORDINATOR

DIRECTOR
Director
MITS School of Biotechnology
Bhubaneswar



COURSE SCHEDULE

Name of the Program: A Two Week Add-On Program on RELATIONSHIP ON FOOD HABITS
AND LIFESTYLE DISEASES
01-12-2021 to 17-12-2021

SN	Date	Topic	Resource Person
1	01-12-2021	Introduction to Lifestyle Diseases	Ms. Barsha Samantaray
2	02-12-2021	The Role of Diet	Ms. Barsha Samantaray
3	03-12-2021	Common Lifestyle Diseases	Ms. Barsha Samantaray
4	04-12-2021	The Impact on Public Health	Ms. Barsha Samantaray
5	06-12-2021	Meal Planning and Dietary Guidelines	Ms. Barsha Samantaray
6	07-12-2021	Cooking Demonstrations	Ms. Barsha Samantaray
7	08-12-2021	Reading Food Labels	Ms. Barsha Samantaray
8	09-12-2021	Physical Activity and Its Role	Ms. Barsha Samantaray
9	10-12-2021	Behaviour Change Strategies	Ms. Barsha Samantaray
10	11-12-2021	Cultural and Dietary Diversity	Ms. Barsha Samantaray
11	13-12-2021	Group Discussions and Case Studies	Ms. Barsha Samantaray
12	14-12-2021	Personalized Action Plans	Ms. Barsha Samantaray
13	15-12-2021	Hands On Session	Ms. Barsha Samantaray
14	16-12-2021	Hands On Session	Ms. Barsha Samantaray
15	17-12-2021	Hands On Session	Ms. Barsha Samantaray

COORDINATOR

HOD

DIRECTOR

Director

MITS School or dictechnology

Bhubaneswar



PROGRAM REPORT

18-12-2021

Name of the Event: A Two Week Add-On Program on RELATIONSHIP ON FOOD HABITS

AND LIFESTYLE DISEASES

Date: 01-12-2021 to 17-12-2021

Resource Person: Ms. Barsha Samantaray

Lecturer,

Dept. of Biotechnology, MSB, Bhubaneswar.

Contact Number: 9113832211

Coordinator:

Dr. Smaranika Sahu

Asst. Professor,

Dept. of Biotechnology, MSB, Bhubaneswar

Number of students attended: 79

Venue: Conference Hall, MITS School of Biotechnology.

MITS school of Biotechnology, Bhubaneswar, organized a two week add-on program on **RELATIONSHIP ON FOOD HABITS AND LIFESTYLE DISEASES** for BSc-Biotechnology students by the resource person **Ms. Barsha Samantaray**. This program is designed to provide participants with a comprehensive understanding of how dietary choices can influence the development of lifestyle-related diseases, such as diabetes, heart disease, obesity, and hypertension. Totally 79 students participated in this training program and after the completion of the program they were able to understand the following objectives and learning outcomes.

Objectives:

- 1. To Understand the Link between Diet and Lifestyle Diseases: Educate participants about how food habits directly influence the development of lifestyle diseases such as diabetes, heart disease, and obesity.
- 2. To Promote Healthy Eating: Encourage participants to make informed food choices and adopt healthier eating habits for disease prevention and overall well-being.
- 3. To Explore the Role of Physical Activity: Examine the synergistic effect of physical activity in the context of food habits for a balanced and healthy lifestyle.
- 4. To Raise Awareness of the Impact on Public Health: Highlight the broader societal implications of lifestyle diseases and their impact on healthcare systems.

Pg 1 of 2

Learning Outcomes:

- 1. Participants will have a comprehensive understanding of the relationship between food habits and lifestyle diseases.
- 2. Participants will be knowledgeable about healthy eating guidelines and meal planning.
- 3. Participants will recognize the importance of physical activity in a balanced lifestyle.
- 4. Participants will be aware of the broader societal impact of lifestyle diseases.
- 5. Participants will have practical cooking skills and the ability to read food labels.



A Two Week Add-On Program on **RELATIONSHIP ON FOOD HABITS AND LIFESTYLE DISEASES**, 01-12-2021 to 17-12-2021, Lect. Barsha Samantaray

This course was very useful to the students of BSc-Biotechnology and their feedback is positive. The management and Professor (Dr.) G. K. Panda, Director of MSB thanked to the resource person and participants for making the programme successful.

COORDINATOR

HOD

MITS School of Biotechnology
Bhubaneswar



Date: 01-04-2022

CIRCULAR

It is hereby informed to all final/pre-final year students of MSc-Biotechnology that the Department of Biotechnology of this institute is conducting a Two Week Add-On Program on **ARTIFICIAL INTELLIGENCE IN BIOTECHNOLOGICAL APPLICATIONS** from **11-04-2022** to **29-04-2022**. Interested students shall register their names at the office of the coordinator on or before 4 PM, 07-04-2022.

Venue of the Programme: Conference Hall, MITS School of Biotechnology.

Coordinator

: Dr. Mousumi Mishra

Asst. Professor

Department of Biotechnology MITS School of Biotechnology

DIRECTOR

MITS School of Elotechnology

Bhubaneswar

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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: 08.04.2022

Email: csethi.msb@gmail.com

Address for Communication

Dr. Mousumi Mishra Coordinator, Asst Professor Contact: +91-9937026755 **Chief Patron**

Er. Sriram Panda Chief Executive MITS Group

Patron

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

Convenor

Dr. Smaranika Sahoo Dept. of Biotechnology

Coordinator

Dr. Mousumi Mishra Asst Professor Dept. of Biotechnology

Advisory Committee

Dr. Rashmi Ranjan Mishra
Dept. of Biotechnology

Mr. S. Satrusallya Dept. of Chemistry

Dr. Monisha Patnaik
Dept. of Biotechnology

A TWO-WEEK ADD-ON PROGRAM ON



ARTIFICIAL INTELLIGENCE IN BIOTECHNOLOGICAL APPLICATIONS

Proram Schedule 11-04-2022 To 29-04-2022



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

The "Artificial Intelligence in Biotechnological Applications" program is an in-depth training course that aims to bridge the gap between artificial intelligence and biotechnology. This program is designed for individuals with a background in biology or biotechnology who wish to harness the power of Al for various applications in the field. It covers the fundamentals of Al, machine learning, and their application in solving complex problems in biotechnology. Graduates of this program will be well-equipped to leverage the power of Al in biotechnology, driving innovation and efficiency research. healthcare. various and biotechnological applications.



Objective of the Programme

The main objective of the program has six verticals:Understand the basic concepts or artificial intelligence, machine learning, and deep learning, Explore the potential of Al ir biotechnology ,predictive modeling, and optimization in biotechnological applications, Gain hands-on experience with Al tools and platforms commonly used in the field, Identify real-world applications of Al in biotechnology, Collaborate on a final project that applies Al to a specific biotechnological problem.



Resource Person

Prof. Sidharta Parida
Asst. Prof Department of Biotechnology
MSB, Bhubaneswar



Date: 10-04-2022

REGISTERED STUDENT LIST

Name of the Programme: A Two Week Add-On Program on ARTIFICIAL INTELIGENCE IN BIOTECHNOLOGICAL APPLICATIONS

11-04-2022 to 29-04-2022

SN	Reg. No	Name of the Student	Year Branch	Signature
1	Y22PB01	AAISHMA MEHER	2 nd Year MSC-BT	
2	Y22PB02	ALINA PADHAN	2 nd Year MSC-BT	Alina Padhan
3	Y22PB03	AMLAN PATI	2 nd Year MSC-BT	Amian Pati
4	Y22PB04	ANISHA MOHAPATRA	2 nd Year MSC-BT	Anisha Mahalatia
5	Y22PB05	ANKITA KULDIP	2 nd Year MSC-BT	Anxity Kuldip
6	Y22PB06	ANKITA PRIYADARSHINI ROUT	2 nd Year MSC-BT	Ankita P Rout
7	Y22PB07	BIJAYALAXMI SINGH	2 nd Year MSC-BT	Bijayalanmi Shingn
8	Y22PB08	BISWAPRAKASH KAR	2 nd Year MSC-BT	Bishabrakach Kar
9	Y22PB09	DEBIDUTTA SUHASINI MISHRA	2 nd Year MSC-BT	Debidutta E-Mishra
10	Y22PB10	DEBTOSH PATRA	2 nd Year MSC-BT	Debtosh Patra
11	Y22PB11	DIPTIMAYEE JENA	2 nd Year MSC-BT	Diptimoyee Jena
12	Y22PB12	DIVYASMITA MOHANTY	2 nd Year MSC-BT	Di Wasmita Mohanty
13	Y22PB13	DURGAPADA SARKHEL	2 nd Year MSC-BT	Durcha Pada Sarkhe
14	Y22PB14	INDIRA KARMAKAR	2 nd Year MSC-BT	Indira Karmakar
15	Y22PB15	IPSITA DAS	2 nd Year MSC-BT	Epsita Das
16	Y22PB16	IPSITA ROJALIN PANDA	2 nd Year MSC-BT	Ipsita Rajalin Pando
17	Y22PB17	JHILI RANI BAL	2 nd Year MSC-BT	Thili Rani Bal
18	Y22PB18	K. MOHAN REDDY	2 nd Year MSC-BT	K. Mo han Reddy
19	Y22PB19	KIRANBALA JENA	2 nd Year MSC-BT	Kinanbala Jena
20	Y22PB20	LIPSITA ARUK	2 nd Year MSC-BT	m Lipsita Anuk
21	Y22PB21	LUINA PRIYADARSHINI PRADHAN	2 nd Year MSC-BT	
22	Y22PB22	M SHIBANI KAR	2 nd Year MSC-BT	Luina Priyadanshini Pradhan M. Shibani Kotz.
23	Y22PB23	MONALISHA BISWAL	2 nd Year MSC-BT	Monalisha Biswal
24	Y22PB24	MRUTYUNJAY DAS	2nd Year MSC-BT	Mautyun jay Das
25	Y22PB25	POOJA MOHANTY	2nd Year MSC-BT	Poda Mohanty

Pg 1 of 2

26	Y22PB26	PRABHUSAGAR MOHAPATRA	2 nd Year MSC-BT	Prabhusagar Mohapatra
27	Y22PB27	PRERNA MISHRA	2 nd Year MSC-BT	Prevna mishoa
28	Y22PB28	PRERANA PANDA	2 nd Year MSC-BT	Prierrana Panda
29	Y22PB29	PRIYANKA PANDA	2 nd Year MSC-BT	Priyanna Pamla
30	Y22PB30	RAJESH KUMAR SAHOO	2 nd Year MSC-BT	Ratesh k. Sahoo
31	Y22PB31	RASHMITA NANDITA SUBHADARSINI	2 nd Year MSC-BT	Rashmita Nandita
32	Y22PB32	RIYA RAJ	2 nd Year MSC-BT	Riya Raj
33	Y22PB33	SAIKH MD AWESH AZAM	2 nd Year MSC-BT	Sackh Md Auresh
34	Y22PB34	SANDEEP KUMAR DASH	2 nd Year MSC-BT	Salndeep Kumar Dash
35	Y22PB35	SANDIP KUMAR ROUTARAY	2 nd Year MSC-BT	Sandib Kumar Routarray.
36	Y22PB36	SHRITIKA BAJPAI	2 nd Year MSC-BT	Shritika Beypai
37	Y22PB37	SMARANIKA MAHANTA	2 nd Year MSC-BT	Sonarcanika Mahanta
38	Y22PB38	SNIGDHA SUBHADARSHINI SAHOO	2 nd Year MSC-BT	Snigdha Subhadanshini
39	Y22PB39	SOOSRI SUNANDA SWAIN	2 nd Year MSC-BT	3003ri Sunada swain
40	Y22PB40	SOURA PRATAP JENA	2 nd Year MSC-BT	Soura Pratap Jena
41	Y22PB41	SUBHALAXMI BARIK	2 nd Year MSC-BT	Subhalaxmi bank
42	Y22PB42	SUBHALAXMI NAYAK	2 nd Year MSC-BT	Subhalaxmi Noyak
43	Y22PB43	SUBHAM KUMAR PUNTIA	2 nd Year MSC-BT	Subham Kumax Puntia
44	Y22PB44	SUBRAT KUMAR MATI	2 nd Year MSC-BT	Subrat Kumar Mati
45	Y22PB45	SUSHREE BAISHAKHEE PRADHAN	2 nd Year MSC-BT	Sushree B. Prodhan
46	Y22PB46	SUSHREE BEAUTY JENA	2 nd Year MSC-BT	Sustrice Beauty Jeno
47	Y22PB47	SUSHREE PRIYADARSHINI PANDA	2 nd Year MSC-BT	Sushree Beauty Jeno Sushree Priyadarshini Panda Sushnee Sagari ka
48	Y22PB48	SUSHREE SAGARIKA PRADHAN	2 nd Year MSC-BT	tradinan
49	Y22PB49	SWATI DAS	2 nd Year MSC-BT	Swoti Das
50	Y22PB50	SWATI PRIYADARSHINEE NAYAK	2 nd Year MSC-BT	Swati pri yadarshinee

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Pg 2 of 2

DIRECTOR

Director

MITS School of Biotechnology

Bhubaneswar



Date: 11-04-2022

REGISTERED STUDENT LIST

Name of the Programme: A Two Week Add-On Program on ARTIFICIAL INTELIGENCE IN

BIOTECHNOLOGICAL APPLICATIONS

11-04-2022 to 29-04-2022

SN	Reg. No	Name of the Student	Year Branch	Signature
51	Y22PB51	ARPAN KHAMARI	2 nd Year MSC-BT	Arcpan Khamari
52	Y22PB52	ASHUTOSH PANIGRAHI	2 nd Year MSC-BT	Ashertosh Rangraho
53	Y22PB53	BARSHA PRIYADARSHINI JENA	2 nd Year MSC-BT	Barcha Privadar chim Tene.
54	Y22PB54	KIRANMAYEE DAS	2 nd Year MSC-BT	Kiran wayer las.
55	Y22PB55	KISHAN KUMAR DAS	2 nd Year MSC-BT	Kishan KeemanDo
56	Y22PB56	KUMUDINEE KUMARI MAHTO	2 nd Year MSC-BT	Kumudinee Kumari mad
57	Y22PB57	MONALISA SAMAL	2 nd Year MSC-BT	monalish Samul
58	Y22PB58	PRABHUSAGAR MOHAPATRA	2 nd Year MSC-BT	Praphulagar Mo. hakatra
59	Y22PB59	PRAGNYA PREETINANDA BARIK	2 nd Year MSC-BT	Prouggryou prectingends
60	Y22PB60	PRAMOD KUMAR	2 nd Year MSC-BT	Pramod Koman
61	Y22PB61	SUBHALAXMI PANDA	2 nd Year MSC-BT	Sulcherlesson Pande
62	Y22PB62	SUNANDA NAYAK	2 nd Year MSC-BT	Sunanda Najak
63	Y22PB63	SUNIL KUMAR GIRI	2 nd Year MSC-BT	Suril Kumar Giril
64	Y22PB64	SUSHIL KUMAR BEHERA	2 nd Year MSC-BT	Sushil k. Dehera.

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Bhubaneswar



COURSE SCHEDULE

Name of the Program: A Two Week Add-On Program on ARTIFICIAL INTELLIGENCE IN
BIOTECHNOLOGICAL APPLICATIONS
11-04-2022 To 29-04-2022

SN	- 4400	Topic	Resource Person
1	11-04-2022	Introduction to AI, machine learning, and deep learning.	Prof. Sidharth Parida
2	12-04-2022	Supervised, unsupervised, reinforcement learning, AI tools and libraries (e.g., Python, TensorFlow, and scikit-learn).	Prof. Sidharta Parida
3	13-04-2022	Genomics and Bioinformatics	Prof. Sidharth Parida
4	16-04-2022	Sequence alignment and variant calling.	Prof. Sidharth Parida
5	18-04-2022	Predictive modeling in genomics.	Prof. Sidharth Parida
6	19-04-2022	Tools and databases in bioinformatics.	Prof. Sidharth Parida
7	20-04-2022	Drug Discovery and AI	Prof. Sidharth Parida
3	21-04-2022	Case studies in drug discovery.	Prof. Sidharth Parida
9	22-04-2022	AI in Diagnostics and Healthcare	Prof. Sidharth Parida
.0	23-04-2022	Final project presentations	Prof. Sidharth Parida
.1	25-04-2022	Hands On Session	Prof. Sidharth Parida
2	26-04-2022	Hands On Session	Prof. Sidharth Parida
3	28-04-2022	Hands On Session	Prof. Sidharth Parida
4	29-04-2022	Hands On Session	Prof. Sidharth Parida

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DIRECTOR
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



PROGRAM REPORT

30-04-2022

Name of the Event: A Two Week Add-On Program on ARTIFICIAL INTELLIGENCE IN

BIOTECHNOLOGICAL APPLICATIONS

Date: 11-04-202 To 28-04-2022

Resource Person: Prof. Sidharth Parida

Assoc. Professor,

Dept. of Biotechnology, MSB, Bhubaneswar.

Contact Number: 9437089337

Coordinator: Dr. Mousumi Mishra

Asst. Professor,

Dept. of Biotechnology, MSB, Bhubaneswar

MSB, Bhubaneswar

Number of students attended: 64

Venue: Conference Hall, MITS School of Biotechnology.

MITS school of Biotechnology, Bhubaneswar, organized a two week add-on program on ARTIFICIAL INTELLIGENCE IN BIOTECHNOLOGICAL APPLICATIONS for MSc-Biotechnology students by the resource person Prof. Sidharth Parida. This program is an in-depth training course that aims to bridge the gap between artificial intelligence and biotechnology. This program is designed for individuals with a background in biology or biotechnology who wish to harness the power of AI for various applications in the field. Totally 64 students participated in this training program and after the completion of the program they were able to understand the following objectives and learning outcomes.

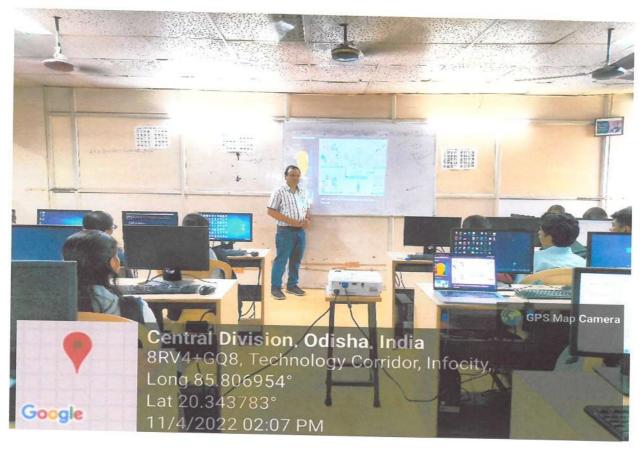
Objectives:

- 1. Understand the basic concepts of artificial intelligence, machine learning, and deep learning.
- 2. Explore the potential of AI in biotechnology and its role in accelerating research and development.
- 3. Learn how to leverage AI for data analysis, predictive modeling, and optimization in biotechnological applications.
- 4. Gain hands-on experience with AI tools and platforms commonly used in the field
- 5. Identify real-world applications of AI in biotechnology, including drug discovery, genomics, and personalized medicine.

Pg 1 of 2

Learning Outcomes:

- 1. A solid understanding of AI and machine learning fundamentals.
- 2. The ability to apply AI techniques to solve biotechnological challenges.
- 3. Practical experience with AI tools and libraries.
- 4. Skills in data analysis, predictive modeling, and optimization.
- Knowledge of real-world applications in genomics, drug discovery, healthcare, and personalized medicine.



A Two Week Add-On Program on **ARTIFICIAL INTELLIGENCE IN BIOTECHNOLOGICAL APPLICATIONS**, 11-04-2022 To 29-04-2022, Prof. Sidharth Parida.

This course was very useful to the students of MSc-Biotechnology and their feedback is positive. The management and Professor (Dr.) G. K. Panda, Director of MSB thanked to the resource person and participants for making the programme successful.

COORDINATOR

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Pg 2 of 2

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MITS School of Biotechnology
Bhubaneswar



Date: 01-04-2022

CIRCULAR

It is hereby informed to all final/pre-final year students of MSc-Applied Microbiology that the Department of Biotechnology of this institute is conducting a Two Week Add-On Program on PRODUCTION OF WINE USING FRUITS AS SUBSTRATE from 11-04-2022 to 29-04-2022. Interested students shall register their names at the office of the coordinator on or before 4 PM, 07-04-2022.

Venue of the Programme: Conference Hall, MITS School of Biotechnology.

Coordinator

: Dr. Smaranika Sahoo

Asst. Professor

Department of Biotechnology MITS School of Biotechnology

> DIRECTOR Director MITS School of Clotechnolog

Bhubaneswar

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

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: 08.04.2022

Email: csethi.msb@gmail.com

Address for Communication

Dr. Smaranika Sahoo Coordinator, Asst Professor Contact: +91-8763177859

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. Smaranika Sahoo Asst Professor

Dept. of Biotechnology

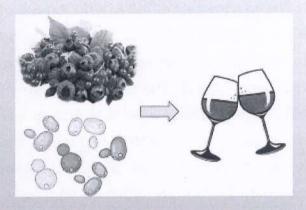
Advisory Committee

Mr. Sandeep Kumar
Dept. of Biotechnology

Mr. S. Satrusallya Dept. of Chemistry

Prof. Tarini Charan Kar Dept. of Biotechnology

A TWO-WEEK ADD-ON PROGRAM ON



PRODUCTION OF WINE USING FRUITS AS SUBSTRATE

Proram Schedule 11-04-2022 To 29-04-2022



Organized By:

मिट्स जैव प्रौद्योगिकी संस्थान WITS 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 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 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

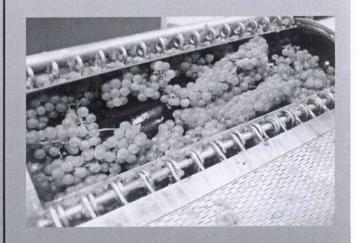
About Programme

The "Production of Wine Using Fruits as Substrate" program is designed to provide participants with a comprehensive understanding of the wine production process, with a focus on using fruits as a substrate. This program is suitable for individuals interested in wine enthusiasts production, from to aspiring winemakers, and it covers the theoretical and practical aspects of producing fruit wines. Graduates of this program will be well-equipped to produce high-quality fruit wines and may choose to pursue careers in winemaking, start their own wineries, or simply enjoy crafting exceptional wines for personal enjoyment and sharing with others.



Objective of the Programme

The main objective of the program has six verticals:Learn the fundamental principles of winemaking, Understand the various fruits that can be used as substrates for wine production, Gain hands-on experience in wine production, Learn the evaluation and quality control in winemaking, Explore different wine styles, Collaborate on the production of fruit wine batches during the program.



Resource Person

Dr. M Mishra
Asst. Prof Department of Biotechnology
MSB, Bhubaneswar



Date: 10-04-2022

REGISTERED STUDENT LIST (MSc-MB)

Name of the Programme: A Two Week Add-On Program on PRODUCTION OF WINE USING FRUITS AS SUBSTRATE

11-04-2022 To 29-04-2022

SN	Reg. No	Name of the Student	Year Branch	Cimpotone
1	Y22PA01	ABHIPSA MOHANTA	2nd Year MSC-AMB	Signature
2	Y22PA02		2 nd Year MSC-AMB	Abhipsa Mohanta
		ABHIPSA PATRA	le d'executi	Abhirsa Patra
3	Y22PA03	ABHIPSA SATAPATHY	2 nd Year MSC-AMB	Abhipsa Sotapathy
4	Y22PA04	ABHISIKTA MISHRA	2 nd Year MSC-AMB	Abhisikta Mishna
5	Y22PA05	ADITI PARIAL	2 nd Year MSC-AMB	Aditi Parcial
6	Y22PA06	AISWARYA NAYAK	2 nd Year MSC-AMB	Aiswanya Nayak
7	Y22PA07	AKANKSHYA DAS	2 nd Year MSC-AMB	Akankshija Day
8	Y22PA08	AMBIKA ROUT	2 nd Year MSC-AMB	AMBINA ROUT
9	Y22PA09	BARSHA MALLICK	2 nd Year MSC-AMB	Barsha Mallick
10	Y22PA10	BARSARANI MOHARANA	2 nd Year MSC-AMB	Bourshanount Mohomone
11	Y22PA11	BHABATOSH MAITY	2 nd Year MSC-AMB	Bhabatosh Maity
12	Y22PA12	BIDYUT PRABHA NAIK	2 nd Year MSC-AMB	Bidget probba Maik
13	Y22PA13	BISWAJIT SUTAR	2 nd Year MSC-AMB	Brisnafit Sutar.
14	Y22PA14	BUBUNA DAS	2 nd Year MSC-AMB	Bubuna Das
15	Y22PA15	GURUPRASAD SATAPATHY	2 nd Year MSC-AMB	Ouruprasad Satapotry
16	Y22PA16	KADAMBINI PANIGRAHI	2 nd Year MSC-AMB	Kadambini Danighahi
17	Y22PA17	KAJAL SAHOO	2 nd Year MSC-AMB	Karal sahao
18	Y22PA18	KASTURI PRIYADARSHINI	2 nd Year MSC-AMB	Karturi priyadamhini
19	Y22PA19	LOPAMUDRA PRADHAN	2 nd Year MSC-AMB	LoPamudra Pradhan
20	Y22PA20	MAMITA PANDA	2 nd Year MSC-AMB	Mamota Panda
21	Y22PA21	MAYA MONALISA PRUSTY	2 nd Year MSC-AMB	Maya Monalisha Prosty
22	Y22PA22	NIBEDITA BEHERA	2 nd Year MSC-AMB	Nibedita behena
23	Y22PA23	PAYAL SAHOO	2 nd Year MSC-AMB	payal Cahoo
24	Y22PA24	PRALAYA KUMAR SAHOO	2 nd Year MSC-AMB	Pradaya Kumara Solhoo
25	Y22PA25	PRATIKSHYA LENKA	2 nd Year MSC-AMB	Proatikohya Lenka
26	Y22PA26	PRATIKSHYA PANIGRAHI	2 nd Year MSC-AMB	Pratik shya Panigrah
27	Y22PA27	PREM PRATYUSH MANGRAJ	2 nd Year MSC-AMB	Driem Dratyush Mangria
28	Y22PA28	PRITI GHOSH	2 nd Year MSC-AMB	Pruti Chosh
R				

29	Y22PA29	RAJESH KUMAR MAHANTA	2 nd Year MSC-AMB	Rajesh Kumar Mahanta
30	Y22PA30	RASHMI RANJAN NANDA	2 nd Year MSC-AMB	Rashmo Rangan Nagala
31	Y22PA31	RATAN KUMAR MOHANTY	2 nd Year MSC-AMB	Ratan Kumare Mohanty
32	Y22PA32	RIMA DEY	2 nd Year MSC-AMB	Rima Day
33	Y22PA33	RITUPARNA ROSSANA MISHRA	2 nd Year MSC-AMB	Rituparina trossana Mishra
34	Y22PA34	SAGAR SWAIN	2 nd Year MSC-AMB	Sofar Swain
35	Y22PA35	SAKSHAR MISHRA	2 nd Year MSC-AMB	Sakshae mishea.
36	Y22PA36	SARADA PRASAD GRAHACHARYA	2 nd Year MSC-AMB	SARADA PROSOS CIRALACHARYA.
37	Y22PA37	SITOSMA MISHRA	2 nd Year MSC-AMB	Sitosma Mishra
38	Y22PA38	SONALI NAG	2 nd Year MSC-AMB	Sonali nag
39	Y22PA39	SONALI PRIYADARSANI	2nd Year MSC-AMB	Sonali prizadarrane
40	Y22PA40	SOUVIK KARAK	2 nd Year MSC-AMB	Souvik Kanak
41	Y22PA41	SUBHABRATA DAS	2 nd Year MSC-AMB	Subhabrata Das
42	Y22PA42	SUBHADRA PALAI	2 nd Year MSC-AMB	Subbrata Palai
43	Y22PA43	SUJATA PATIA	2 nd Year MSC-AMB	swata Patia
44	Y22PA44	SUMITRA ROUT	2 nd Year MSC-AMB	Sumitra Pout
45	Y22PA45	SUSHRUTA BHATTACHARYA	2 nd Year MSC-AMB	BhattaChareya
46	Y22PA46	SUVASISH KAR	2 nd Year MSC-AMB	surashish har
47	Y22PA47	SWAGATIKA PRADHAN	2 nd Year MSC-AMB	Swagcoteka Hadhan
48	Y22PA48	SWARAJ SAHIL MARTHA	2nd Year MSC-AMB	Swarag Sahil Marthu
49	Y22PA49	SWARNA PRAVA JENA	2nd Year MSC-AMB	SUMMEN A PROVOCE JONA
50	Y22PA50	TRIDEVI PRIYADARSHINI PANDA	2 nd Year MSC-AMB	Tovedevi Priyadarshine

COORDINATOR

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DIRECTOR
Director
MITS School of diotechnology
Bhubaneswar



Date: 11-04-2022

REGISTERED STUDENT LIST (MSc-MB)

Name of the Programme: A Two Week Add-On Program on PRODUCTION OF WINE USING FRUITS AS SUBSTRATE
11-04-2022 To 29-04-2022

SN	Reg. No	Name of the Student	Year Branch	Signature
51	Y22PA51	ABHIPSA MOHANTA	2 nd Year MSC-AMB	Abhipsa Mohanta
52	Y22PA52	ABHIPSA PATRA	2 nd Year MSC-AMB	Abhipsa Patra
53	Y22PA53	ABHIPSA SATAPATHY	2nd Year MSC-AMB	Abhipsa Sathathy
54	Y22PA54	ABHISIKTA MISHRA	2nd Year MSC-AMB	Abhiseu michron
55	Y22PA55	ADITI PARIAL	2nd Year MSC-AMB_	Aditi Pana .
56	Y22PA56	AISWARYA NAYAK	2nd Year MSC-AMB	Seswarza Najak.
57	Y22PA57	AKANKSHYA DAS	2 nd Year MSC-AMB	Drankshya Das
58	Y22PA58	AMBIKA ROUT	2 nd Year MSC-AMB	Ambiha Rout
59	Y22PA59	BARSHA MALLICK	2 nd Year MSC-AMB	Barcsha mallick
60	Y22PA60	BARSARANI MOHARANA	2 nd Year MSC-AMB	Barshar Noharara
61	Y22PA61	BHABATOSH MAITY	2 nd Year MSC-AMB	Bhabtosh Maity
62	Y22PA62	BIDYUT PRABHA NAIK	2 nd Year MSC-AMB	Biograf procebba Noch
63	Y22PA63	BISWAJIT SUTAR	2 nd Year MSC-AMB	Dojswajit Sutar
64	Y22PA64	BUBUNA DAS	2 nd Year MSC-AMB	Bubuna Das

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MITS School of Biotechnology Bhubaneswar



COURSE SCHEDULE

Name of the Program: A Two Week Add-On Program on PRODUCTION OF WINE USING FRUITS AS SUBSTRATE
11-04-2022 To 29-04-2022

SN	Date	Topic	Resource Person
1	11-04-2022	Basics of Winemaking	Dr. Mousumi Mishra
2	12-04-2022	Grape vs. Fruit Wines&Fruit Selection and Harvest	Dr. Mousumi Mishra
3	13-04-2022	Crushing and Pressing	Dr. Mousumi Mishra
4	16-04-2022	Introduction to Yeasts and Fermentation	Dr. Mousumi Mishra
5	18-04-2022	Fermentation Techniques	Dr. Mousumi Mishra
6	19-04-2022	Secondary Fermentation and Maturation	Dr. Mousumi Mishra
7	20-04-2022	Wine Clarification and Stabilization&Sensory Evaluation	Dr. Mousumi Mishra
8	21-04-2022	Wine Bottling and Labeling&Styles of Fruit Wine	Dr. Mousumi Mishra
9	22-04-2022	Blending and Flavor Enhancement&Fruit Wine Packaging and Presentation	Dr. Mousumi Mishra
10	23-04-2022	Participants complete their fruit wine batches &Final Wine Tasting and Evaluation	Dr. Mousumi Mishra
11	25-04-2022	Hands On Session	Dr. Mousumi Mishra
12	26-04-2022	Hands On Session	Dr. Mousumi Mishra
13	28-04-2022	Hands On Session	Dr. Mousumi Mishra
14	29-04-2022	Hands On Session	Dr. Mousumi Mishra

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HOD

MITS School of Sietechnology Bhubaneswar

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



PROGRAM REPORT

30-04-2022

Name of the Event: A Two Week Add-On Program on PRODUCTION OF WINE USING

FRUITS AS SUBSTRATE

Date: 11-04-2022 To 29-04-2022

Resource Person: Dr. Mousumi Mishra

Asst. Professor.

Dept. of Biotechnology, MSB, Bhubaneswar.

Contact Number: 9937026755

Coordinator:

Dr. Smaranika Sahoo

Asst. Professor.

Dept. of Biotechnology, MSB, Bhubaneswar

Number of students attended: 64

Venue: Conference Hall, MITS School of Biotechnology.

MITS school of Biotechnology, Bhubaneswar, organized a two week add-on program on PRODUCTION OF WINE USING FRUITS AS SUBSTRATE for MSc-Applied Microbiology students by the resource person Dr. Mousumi Mishra. This program is designed to provide participants with a comprehensive understanding of the wine production process, with a focus on using fruits as a substrate. Totally 64 students participated in this training program and after the completion of the program they were able to understand the following objectives and learning outcomes.

Objectives:

- 1. Learn the fundamental principles of winemaking, including fermentation, aging, and bottling.
- 2. Understand the various fruits that can be used as substrates for wine production and their unique characteristics.
- 3. Gain hands-on experience in wine production, from fruit selection to bottling.
- 4. Learn the art of sensory evaluation and quality control in winemaking.
- 5. Explore different wine styles and potential variations.

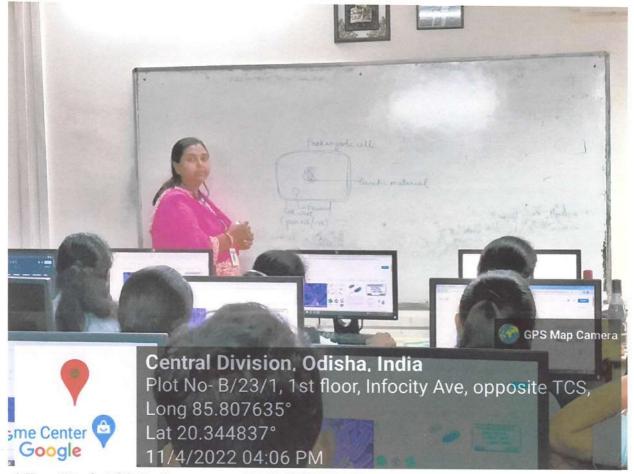
Pg 1 of 2

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

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

Learning Outcomes:

- 1. A solid understanding of the winemaking process and the unique aspects of fruit wine production.
- 2. Practical experience in producing fruit wines, from fruit selection to bottling.
- 3. The ability to conduct sensory evaluations and ensure quality control.
- 4. Knowledge of various fruit wine styles and the ability to customize flavours.
- 5. A collaborative winemaking project with hands-on experience.



A Two Week Add-On Program on **PRODUCTION OF WINE USING FRUITS AS SUBSTRATE**, 11-04-2022 To 29-04-2022, Dr. Mousumi Mishra.

This course was very useful to the students of MSc-Applied microbiology and their feedback is positive. The management and Professor (Dr.) G. K. Panda, Director of MSB thanked to the resource person and participants for making the programme successful.

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Pg 2 of 2

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