



# MIT'S SCHOOL OF BIOTECHNOLOGY

Approved by DHE, Govt. of Odisha & Affiliated to UTKAL University

Celebrating 20 years of Academic Excellence



**B.SC. BIOTECHNOLOGY | BCA**  
**M.SC. BIOTECHNOLOGY & APPLIED MICROBIOLOGY**

[www.msb.ac.in](http://www.msb.ac.in)



## Why **MSB**

- MSB has turned itself into an institute under Utkal University by producing toppers in PG /UG courses and placing its students across the globe.
- Strives to achieve academic excellence in teaching-learning, research and extension activities with emphasis on 360° student development.
- 20 Years of Academic Excellence in Applied Biotechnology, Microbiology and Computing Science.
- Well qualified and experienced faculty members with M.Tech. and Ph.D.
- State of art infrastructure and conveniently located at Infocity, Bhubaneswar (International Hub of IT in eastern India).
- Wi-fi campus, internet connectivity and professional experience in handling online classes, Cloud based laboratories, online attendance and examinations.
- Best proven placement record and institutional accreditation with leading Bio and IT companies.
- Air conditioned Auditorium, Boys/Girls Hostel with transport facility



# Meet Our University Toppers

## B.Sc. Biotechnology (2018-21 Batch)

**PRIYA**

Rank 01



**SAGARIKA SAHOO**

Rank 02



**P. PURNA C. DORA**

Rank 03



**MANISHA MAHAPATRA**

Rank 07



**RUPALI PATI**

Rank 09



**PRIYANKA P. PARIDA**

Rank 10



Outstanding record in  
**PLACEMENT 2022**

**200+**

Students Placed

**07** Lakh

Highest Salary: XL Dynamics

**15+**

Reputed Companies

2022 batch have received multiple offers from top MNC.



## **Shri Balakrishna Panda**

Chairman, MITS Group of Institutions

Dear Students,

Since the inception in 1998 MITS Group has been consistent in its strive to achieve excellence and has witnessed an immensely rewarding journey. INDIA is ushering in a fresh era of prosperity with more than 8% GDP growth, we are sure to witness a great demand for young professional graduates & postgraduates who will be the driving force of economy.

If you are thinking Biotechnology, Computers as your career, present time offers best opportunity. We welcome you to embrace MITS and work with us for making our nation and your parents proud. You will enjoy MITS culture and we will work with you to shape your career.



## **Dr. G.K. Panda**

Director , MSB

Greetings from MSB, BBSR campus! Over the last two decades, MSB has achieved several milestones, including the introduction of internationally recognized 2-Yr PG programme in Biotechnology, Applied Microbiology and 3-Yr UG programme in Biotechnology, Computing Applications.

In tandem with our continual ambition to keep abreast of the latest challenges and opportunities in the IT and Biotechnology verticals, we have been consistently refining our programme in line with Utkal University pedagogy and pre-placement skills, ensuring the best academic insights and corporate exposures.

It is my pleasure to welcome you to read this information brochure for a detailed review of the programs and achievements of the MSB, and I look forward to seeing you at MSB.

About MSB

## MITS SCHOOL OF BIOTECHNOLOGY

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MITS School of Biotechnology (MSB), the leading institution of Basantdevi Charitable Trust (BCT) was established on 2003 by founder of MITS Group, Hon'ble Sri Balakrishna Panda with a mission of promoting "Social Transformation Through Smart Education". Since its establishment, it has carved a niche for itself among the best Biotechnology institutes in eastern India. MSB has maintained the highest standards and has proliferated innovative practices in the education sector.

*During the last two decades, MSB has made astonishing strides in the field of education and placement. MSB was the first self-financing institute in Bhubaneswar to offer Biotechnology courses. The spectrum of courses offered spans M.Sc. in Biotechnology, M.Sc. in Applied Microbiology, B.Sc. in Biotechnology and Bachelor of Computer Application (BCA). Post graduate and under graduate courses of MSB are the best choice for science graduates and 12th students to have a professional career.*





## Infrastructure

- 2 acres lush green centrally located campus
- 40,000 sq.ft built up area
- Wi-Fi campus
- 300 seated capacity AC auditorium
- 8 well equipped labs
- HPC / RT-PCR research lab
- 2,000 sq.ft central library
- DELNET subscription
- Well-furnished girls & boys hostel
- 2 seminar halls
- 6 digital classrooms
- 8 Mbps dedicated internet connection
- High capacity RO water facilities

## Courses offered

COURSE	INTAKE	DURATION	ELIGIBILITY
<b>M.Sc.</b> Biotechnolog	64	2 Years	10 <sup>th</sup> +2 +3 pattern of education in physical and biological sciences with 55% as aggregate.
<b>M.Sc.</b> Applied Microbiology	64	2 Years	B.Sc. with any of the subjects (Botany / Zoology/Microbiology/Agriculture/Forestry/ Fishery/Horticulture/Env. Science as Honours/ Pass subject with 50% as aggregate.
<b>B.Sc.</b> Biotechnology(H)	180	3 Years	+2 Science with minimum 50% aggregate.
<b>BCA</b> Bachelor of Computer Application	128	3 Years	+2 Science/Commerce/Arts (Mathematics/ Statistics / Business Mathematics as one of the subject) minimum 45% aggregate.

All the courses of MSB are duly recognized by  
**DEPT. OF HIGHER EDUCATION**  
**Govt. of Odisha**



All the courses of MSB are affiliated to  
**UTKAL UNIVERSITY**



# Department's at MSB



## Computer Science

The department caters UG programs under CBCS pattern as per Utkal University curriculum. Bachelor of Computer Application (BCA) graduate would be able to demonstrate advanced skills in the analysis, design and realization of business systems utilizing contemporary information technology. BCA alumni appreciate the MSB pedagogy,

pre-placement curriculum and personal counselling for their 360-degree developments that immensely help in post-placement industry exposures. Students of the department are benefited through industrial visits and project exposures. The department has 1 Teraflop supercomputing facility for AI based projects & research activities.





## Biotechnology and Microbiology

The department imparts two M.Sc. programs (Biotechnology and Applied Microbiology) and B.Sc. in Biotechnology. Students of M.Sc & B.Sc are trained by the qualified faculty of the department to acquire knowledge in industrial/bioprocess/DNA technology, protein engineering, bio-informatics, biochemistry, bio-pharmaceuticals, Food & Dairy microbiology, Environmental Microbiology, Microbial/Agricultural Biotechnology, Microbial physiology and Fermentation technology. The department has equipped with latest instruments in all its laboratories. Students also undergo with internships, field tours and projects.

Recent arrival of equipment to microbiology setup includes, Realtime PCR, Biosafety cabinet, Class-II, A2 and minus 20<sup>o</sup> Freezer, automated Autoclave and Spectrophotometer.





# 1 Computer Science

**Prof. Dr. G.K. Panda**

M.Tech(BU), M.Phil(VMU), Ph.D.(BU)  
 Experience: 22 years Academic & 06 years Corporate  
 Areas: Data Science, Data Mining, ML languages(Python,R), RST, SNA

**Prof. Ramanuj Nayak**

M.Tech(BU), M.C.A.(IGNOU)  
 Experience: 18 years Academic  
 Areas: Networking, Operating System, Computing languages

**Dr. Tapaswini Nayak**

M.Tech(BU), Ph.D.(CUTM)  
 Experience: 15 years Academic  
 Areas: Soft. Engg., Operating System, Data Mining, Computing languages

**Ms. Kabita Sahu**

M.Tech(BPUT), Ph.D.(CUTM)  
 Experience: 15 years Academic  
 Areas: Comp. Graphics, Database, Computing languages

**Ms. Panchami Padmasana**

M.Tech(BPUT)  
 Experience: 11 years Academic  
 Areas: Digital Logic., Comp. Org., Comp. Networking

**Mr. Chhabi Sethi**

M.Tech(Utkal), M.C.A.(Utkal)  
 Experience: 15 years Academic  
 Areas: Data Structure., ASP.NET, Java Programming

**Mr. Bibhudatta Tripathy**

M.Tech(BPUT), B.Tech.(BPUT)  
 Experience: 15 years Academic  
 Areas: Data Structure., Java, Android Prog, Computing languages

**Ms. Samita Bala Routray**

M.Tech(BPUT), B.E.(Utkal)  
 Experience: 19 years Academic  
 Areas: Numerical Techniques, Data Structure, Computing languages

**Ms. Ashalata Naik**

M.Tech(BU), B.Tech(BPUT)  
 Experience: 19 years Academic  
 Areas: Operating System, Database, Java, Computing languages

# Motivated FACULTY

27+

Regular Faculty

5+

Visiting Faculty



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## Biotechnology & Microbiology

### Mr. Saumendra Satrusallya

M.Sc.(Revenshaw), M.Tech.  
(CIPET),  
Dip(Forensic Sc.)  
Experience: 25 years Academic  
Areas: Chemistry, Plastic  
Engg., Forensic Science

### Prof. Bijay Kumar Naik

MA(Utkal), M.Phil(Utkal)  
Experience: 37 years Academic  
Areas: English(Literature),  
Communicative English

### Mrs. Subhashree Panda

MSc(BU), Ph.D.(CUTM)  
Experience: 7 years Academic  
Areas: Mathematics(Discrete,  
Numerical, Statistics)

### Mrs. Smita Dey

MCom-Finance(FAC)  
Experience: 6 years Academic  
Areas: Business Accounting,

### Prof. Dr. T.C. Kar

MSc(BU), Ph.D.(BU)  
Experience: 40 years Academic  
Areas: Immunology, Biochem-  
istry

### Prof. Dr. R.K. Das

MSc(FAC), Ph.D.  
Experience:45 years Academic  
Areas: Immunology, Biochemistry

### Dr. Swati Mishra

MSc(AU), Ph.D.(UTKAL)  
Experience: 18 years Academic  
Areas: Cell Biology, Microbiology

### Dr. Rashmi Ranjan Mishra

MSc(NUO), Ph.D.(NUO)  
Experience:14 years Academic  
Areas: Animal Biotechnology,  
Microbial Ecology

### Dr. Satyananda Patel

MSc(SU), Ph.D.(JNU)  
Experience:19 years Academic  
Areas: Animal Physiology, Biostatics

### Dr. Siddhartha Parida

MSc(Andhra University),  
Experience:18 years Academic  
Areas: Plant Tissue Culture And  
Plant Biotechnology

### Dr. Smaranika Sahu

MSc(NUO), Ph.D.(Utkal)  
Experience:12 years Academic  
Areas: Animal Physiology, Devel-  
opmental Biology, Biochemistry

### Dr. Sandeep Kumar

MSc(Utkal), MSc(KU), Ph.D.(Utkal)  
Experience:13 years Academic  
Areas: Plant Physiology,Genet-  
ics,Moluecular Biology

### Dr. Mousumi Mishra

MSc(Utkal), Ph.D.(Utkal)  
Experience:16 years Academic  
Areas: Industrial & Enviornental  
Microbiology,Bioprocess eng.

### Dr. Manisha Patniak

M.Sc.(BU), Ph.D.(KIIT UNIVERSITY)  
Experience:10 years Academic  
Areas: Cell Biology and Genetics,  
Molecular Biology

### Mr. Saumendra Satrusallya

M.Sc.(Utkal), M.Tech. (BPUT)  
Experience: 23 years Academic  
Areas: Chemistry, Forensic Science

### Mrs. Monalisa Pradhan

M.Sc.(OUAT),  
Experience: 11 years Academic  
Areas: Agriculture and Industrial  
Microbiology, Microbial Techniques

### Ms. Aishwarya Sarangi

M.Sc.(Utkal),  
Experience: 03 years Academic  
Areas: Enviornental Science and  
Microbial Techniques

### Ms. Barsha Samantray

M.Sc.( Utkal),  
Experience: 03 years Academic  
Areas: Enviornental Science and  
Microbial Techniques

# Multiple Placement Offers to **MSB GRADUATES**



**SIDHARTH**

Deloitte, Wipro, Accenture



**ANWESHA**

Deloitte, Wipro, Capgemini



**LAXMI**

Deloitte, Wipro, Cognizant



**SURABHI**

Deloitte, Accenture, Capgemini



**SHIBANI**

Deloitte, Cognizant



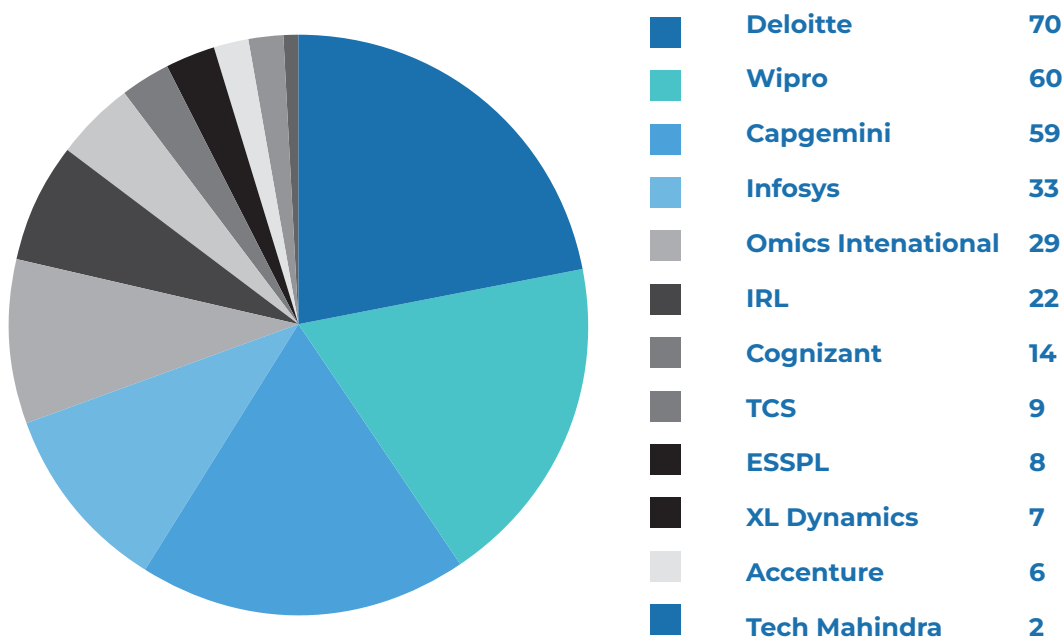
**SURABHI**

Deloitte, Capgemini, Cognizant

## COMPANIES VISITING MITS GROUP


# On Campus PLACEMENT 2022

This year, close to **15 recruiters** from diverse sectors offered MSB students placement for a variety of roles.



**PACKAGES OFFERED:** **7.00 Lakh** - XL Dynamics, **3.82 Lakh** - Deloittee  
**3.40 Lakh** - Accenture, **2.75 Lakh** - Capgemini, **2.60 Lakh** - Cognizant





# BHUBANESWAR

## The Education Hub of Eastern India

Bhubaneswar, the capital of Odisha, is also popularly known as the “Temple City of India”. Lord Lingaraj is the star attraction of Bhubaneswar and one of the important pilgrimage centre. Bhubaneswar is the place where temple building activities of Orissan architecture flowered from its very inception to its fullest culmination extending over a period of over one thousand years.

**From the IITs to the XIMs, from AIIMs to NIFT and from ILS to prominent universities of the country-Bhubaneswar is today offering as a host to important institutions of higher learning in India.**

**MSB** is located at the central part of Bhubaneswar and adjunct the IT park of the city. Complementing the consummate setting is the strikingly elegant campus of MSB that is home to the contemporary educational infrastructure. The last few years have particularly seen the MSB hone its image as an avenue for undergraduate and post graduate courses both from the state and from across neighbouring Bihar, Jharkhand, West Bengal, Chhattisgarh and even the North East.

# Beyond Academics @ MITS School of Biotechnology



Poster Presentation @ MSB



Wrestling Champion at University



Industrial Visit to ILS Bhubaneswar



Annual day @ MSB



Sports club of MSB



Foodfun programme @MSB

# No 1 College for Placement

Only B.Sc & BCA college in the state accredited with  
WIPRO, COGNIZANT, INFOSYS, DELOITTE & CAPGEMINI



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