

## No 1 College for Placement

Only professional college in the state accredited with  
WIPRO, COGNIZANT, INFOSYS, DELOITTE, CAPGEMINI & British Telecom



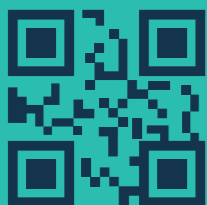
Cognizant

Infosys

Deloitte

Capgemini

BT Group



Dr. R.R. Mishra : +91 79785 28311  
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Admission Cell : +91 77357 37902  
: +91 77357 37892

### CONTACT US:

MITS School of Biotechnology  
2(P), Infocity, Patia,  
Bhubaneswar Odisha - 751024

Toll Free No: 1800-2585-998  
Admission Office: +91 85998 85998  
[www.msb.ac.in](http://www.msb.ac.in)

## Empowering Innovation



**MITS School  
of Biotechnology**

Providing quality professional education since 2003



## Information Brochure

**B.Sc.** (Biotechnology, ITM) | **BCA** | **BBA**

**M.Sc.** (Biotechnology, Applied Microbiology)

Approved by Higher Education Department-Govt. of Odisha & AICTE-New Delhi  
Affiliated with Utkal University, Bhubaneswar, Odisha



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

# College Profile

## Academic

MSB has turned itself into a premier institute under Utkal University by producing toppers in PG /UG courses and placing its students across the globe.



## Student Development

Strives to achieve academic excellence in teaching-learning, research and extension activities with emphasis on 360° student development.



## Faculty

Well qualified and experienced faculty members with M.Tech. and Ph.D.



## Placement

Best proven placement record and institutional accreditation with leading Biotech and IT companies.



## Recognition & Affiliation



DHE, Govt. of Odisha



Utkal University



Approved by AICTE



NAAC Accreditation



Vision

To become a globally recognized institute excelling in life sciences, IT and management education, alongside innovative research, skill development and industry collaborations.



Mission

- To develop critical thinking, leadership and high standards of professional skills in disciplines of Life Science, IT and management education.
- To elevate the quality and content of teaching-learning process for the attainment of academic excellence.
- To promote students and teachers for improvement of research competence.
- To foster holistic student growth, emphasizing ethical values and social responsibilities.
- To promote creativity, employability & entrepreneurship spirit in linkage with industry-institute specific skills.

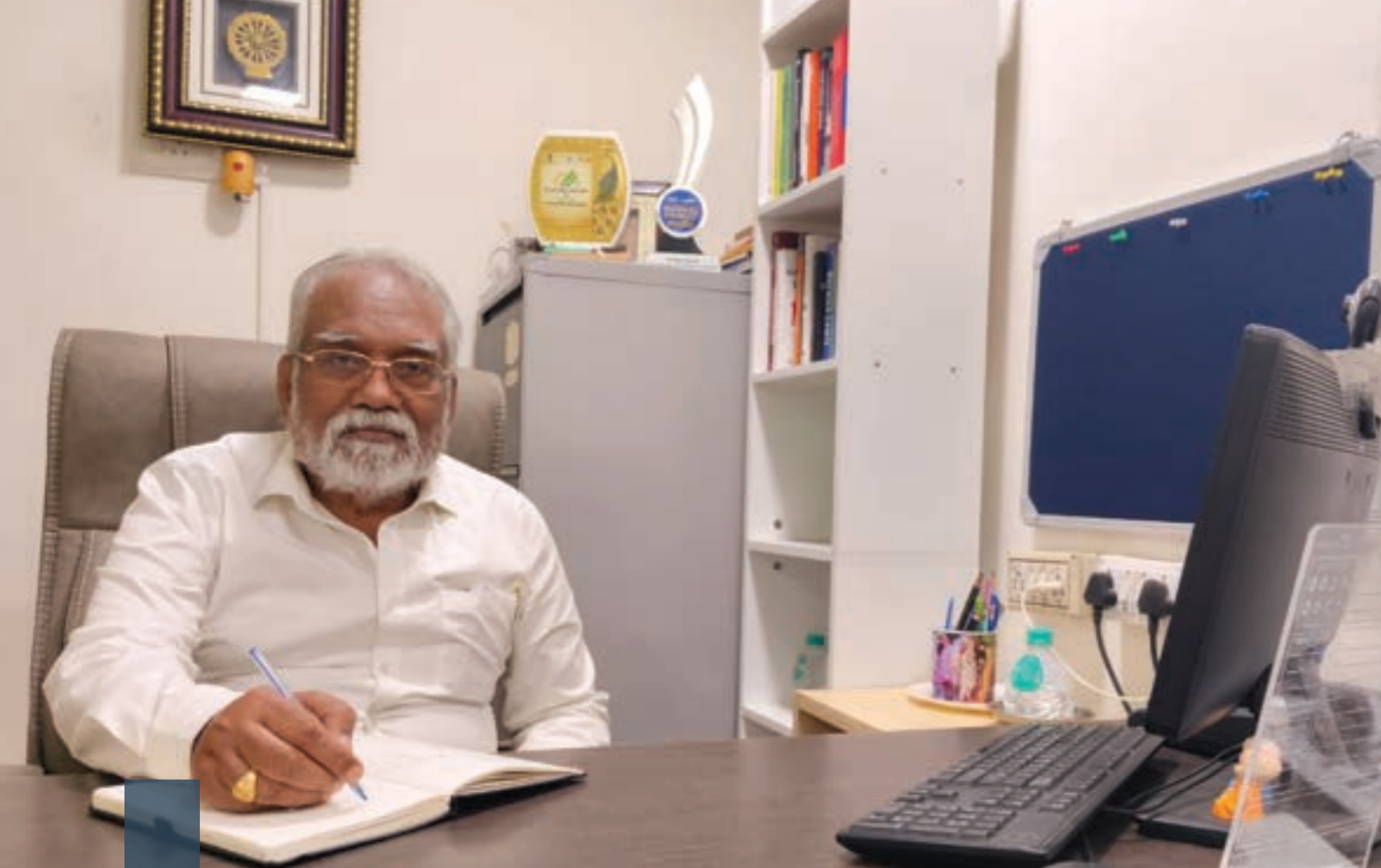
**MIT School of Biotechnology (MSB)**, was established in 2003 by Sri Balakrishna Panda, Chairman of the MITS Group of Institutions, it is under the aegis of 'Basantdevi Charitable Trust. It was setup with a mission to promote "Social transformation through smart education". Starting as a modest institution offering only M.Sc. Biotechnology, it soon expanded to include B.Sc. Biotechnology (2006), BCA (2007) and M.Sc. Applied Microbiology (2009). In 2022-23, it introduced BBA and B.Sc. ITM programs to further diversify its offerings.

The policies formulated for the advancement of the college assign significant importance to the feedback received from all stakeholders involved in the educational journey. With high academic standards, innovation and strong alumni an outcome, MITS Bhubaneswar is widely recognized as one of the premier institutes for Life Sciences and Computer Science in eastern India.

The college's daily administration is overseen by the Director in consultation with the MITS Group Chief Executive, supported by a steering committee of academic/ administrative heads, Head Training & Placement, IQAC Coordinator and other administrative committees. A qualified faculty team mostly with doctorates or master's and strong academic/research backgrounds is backed by eminent visiting professors.

The college is endowed with diverse facilities focused on enhancing the learning environment and outcomes. Conveniently located at Infocity, Bhubaneswar an international IT hub of eastern India MSB features key highlights such as a strong Placement Cell, a digitized library, campus wide Wi-Fi, a state-of-the-art High Performance Computing center, an auditorium, Language Lab, Mentoring Cell, qualified Yoga instructor, and in-house career counselors. Two psychological counselors support the emotional well being of students and hostel residents an essential need today.





*Education is the compass  
guidingus towards a brighter  
tomorrow, empowering minds  
to innovate and thrive.*

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 afresh era of prosperity with high GDP growth, we are sure to witness a great demand for young professional graduates & postgraduates who will be the driving forceof 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.

## Adv. Balakrishna Panda

Chairman cum Managing Trustee-  
Basantdevi Charitable Trust

## From the Director's Desk



**Dr. G. K Panda**

*Director-MITS School of Biotechnology*

Dear Aspirants,

It is a proud privilege to lead MITS School of Biotechnology, Bhubaneswar that has consistently achieved academic excellence under the Utkal University curriculum. Rising to the visionary challenge of introducing biotechnology education in Odisha, MSB has nurtured 560 graduates and 230 postgraduates who now serve as proud ambassadors of the nation—contributing their expertise across corporate sectors, industries, R&D labs and government organizations, playing a vital role in India's progress.

At MSB, we are committed to academic excellence and continuously adapt our programs to meet emerging challenges. Aligned with CBCS and NEP guidelines, we employ innovative teaching methods and modern infrastructure across classrooms and labs, supported by an efficient team. Our dedicated faculties embrace change, empowering students to think creatively, act decisively, and stand out in their fields.We enhance student experiences through seminars, webinars, add-on courses, newsletters, talent platforms and outreach activities, while fostering a vibrant MITS family culture through diverse co-curricular and extra-curricular initiatives.

At MSB, Bhubaneswar, you'll embark on a rewarding academic journey enriched with hands-on learning, research and community engagement. Alongside our faculty, staff and vibrant student community, I warmly welcome you to be a part of our institution.


# DEPARTMENT

## 01 Computer Science

Our Bachelor's program in Computer Applications follow the Utkal University curriculum under the NEP pattern. This ensures you graduate with the most relevant knowledge to tackle modern business challenges. Imagine analyzing, designing, and building real-world business systems using the latest technology that's the power you'll gain at MSB. Our alumni consistently praise our unique teaching methods, dedicated career preparation programs, and personalized guidance.

This holistic approach equips you for success, not just in academics, but also in your future career. We go beyond textbooks; expect industry visits, real world project experiences, and access to our state-of-the-art lab facility for cutting edge AI research. Join our vibrant community and propel yourself towards a fulfilling career!





Building the future of technology,  
one line of code at a time.

## 02 Biotechnology & Microbiology



Our department offers a comprehensive range of programs, including M.Sc. in Biotechnology and Applied Microbiology, and a B.Sc. in Biotechnology. Led by our esteemed faculty, you'll delve into the fascinating world of industrial biotechnology, bioprocessing, DNA technology, protein engineering, bioinformatics, and more. Gain a thorough understanding of biochemistry, biopharmaceuticals, and the intricacies of microbial worlds like Food & Dairy, Environmental, Agricultural, & their physiological underpinnings.

Our state-of-the-art laboratories boast cutting-edge equipment, including the latest real-time PCR machines, Biosafety Cabinets for secure research, ultra-low temperature Minus 20<sup>o</sup>C Freezers, automated Autoclaves for sterilization, and sophisticated Spectrophotometers for precise analysis. To further solidify your learning, participate in enriching internships, field trips, & project-based experiences. This comprehensive program equips you with the knowledge & practical skills necessary to thrive in the ever evolving world of biotechnology.



Unlocking nature's  
potential:

Department of  
Biotechnology -  
Pioneering solutions  
for a bio-driven  
world.



### 03 Basic Science & Management

The Basic Science & Management Course equips you with a powerful skillset, blending the fundamental principles of science with the practical tools of management. Dive deep into the fascinating worlds of biology, chemistry, physics, and mathematics, alongside practical applications in statistics & information technology. This dynamic program doesn't stop there. You'll also explore the compelling world of business, gaining insights into organizational behavior, marketing strategies, financial management, human resource development, & strategic planning.

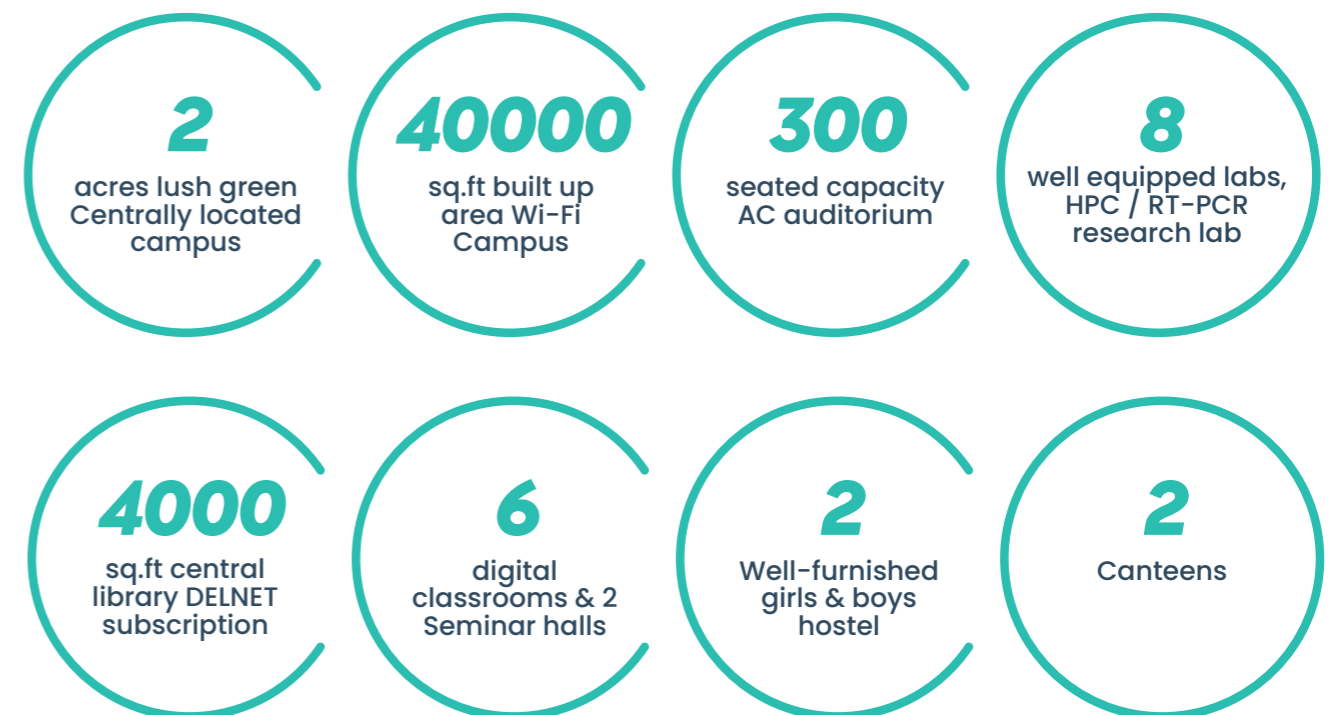
This unique combination empowers you to excel in a diverse range of industries. Whether you envision a future in healthcare, biotechnology, pharmaceuticals, technology, or the dynamic world of management, this course equips you for success. It's the perfect springboard for those seeking careers that demand both scientific expertise and strong leadership skills.



Integrating basic science with management can drive innovation and efficiency in various industries by leveraging scientific knowledge for strategic decision making and problem solving.



## Infrastructure @ MSB



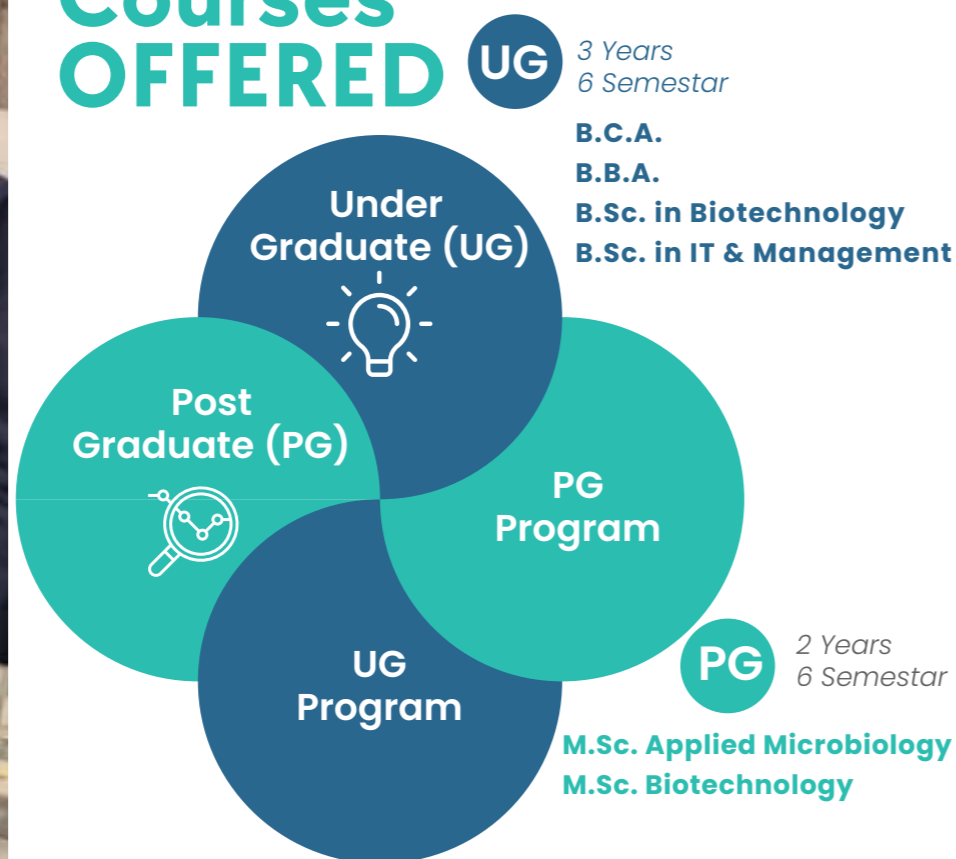
### Career Paths & Opportunities

The students of MSB are trained to achieve the best intellectually and they are motivated to impart excellence to the organization they are employed by or associated with. The training begins with the students striving to put their best foot forward to achieve the best internship opportunities to understand the application of the discourse through the internship. After passing out from MSB, the students can carve their niche in the following fields:

- Post Graduate Studies & Academia
- Job in Clinical microbiology & other allied health sectors
- Doctorate Studies & Research
- Entrepreneurship
- Multinational Companies
- Advertising Agencies
- Teachers & Professors
- Consulting



## Courses OFFERED



### 01 QUALIFYING EXAMINATION

#### UG Program

The final examination of the 10+2 system of Higher Secondary Examination conducted by the State Board; Central Board of Secondary Education (CBSE, New Delhi), The Council for Indian School Certificate Examination (ISCE), New Delhi. Regular 'NIOS' board candidates are also eligible.

### 03

#### PG Program

The final examination of the 10+2+3 system of Higher Secondary Examination conducted by University Examination System.

## Qualifying Examination Performance

<b>BSc Biotechnology</b>	Minimum 50% aggregate and Biology in 10+2 system
<b>BSc ITM</b>	Passed Higher Secondary /+2/Senior Secondary or any other equivalent examination in Science/Techmology/Engg./ Pharmacy
<b>BCA</b>	Minimum 45% aggregate and Mathematics or Statistics or Business Mathematics in 10+2 (Science or Commerce or Arts) system
<b>BBA</b>	Minimum 45% in aggregate in 10+2 or equivalent in any discipline
<b>MSc Applied Microbiology</b>	Minimum 50% marks in aggregate and any subjects like Botany, Zoology, Microbiology, Agriculture, Forestry, Fishery, Horticulture, Environment Science in 10+2+3 system
<b>MSc Biotechnology</b>	Minimum 55% marks in aggregate and Biological Science in 10+2+3 system

## Selection Criteria

- 01 Check Eligibility:** Ensure you meet the minimum criteria for the chosen course.
- 02 Seat Reservation:** Visit the admission office to submit photocopies of all qualifying mark sheets and provisional certificates. Pay the non-refundable booking amount.
- 03 Take the Admission Test:** Appear for the Psychometric cum Eligibility Test as scheduled by MSB.
- 04 Verification Process:** The admissions team will Confirm your eligibility, Review your test results, Verify full payment of academic and hostel fees.
- 05 Induction Programme Intimation:** Once all required documents & payments are received, applicants will be informed about the Induction Programme.  
**Clear All Dues:** Settle any pending payments before the Orientation Programme.
- 06 Submit Original Documents:** Submit original certificates at the office, Final eligibility certificates, Transfer Certificate (TC), Conduct Certificate, Migration Certificate, Medical fitness Certificate (Hostel Applicants), Anti Ragging Undertakings, Fee Deposit Formats
- 07 Final Decision:** In exceptional cases where eligibility criteria are unclear or unmet, the decision taken by MSB will be final.



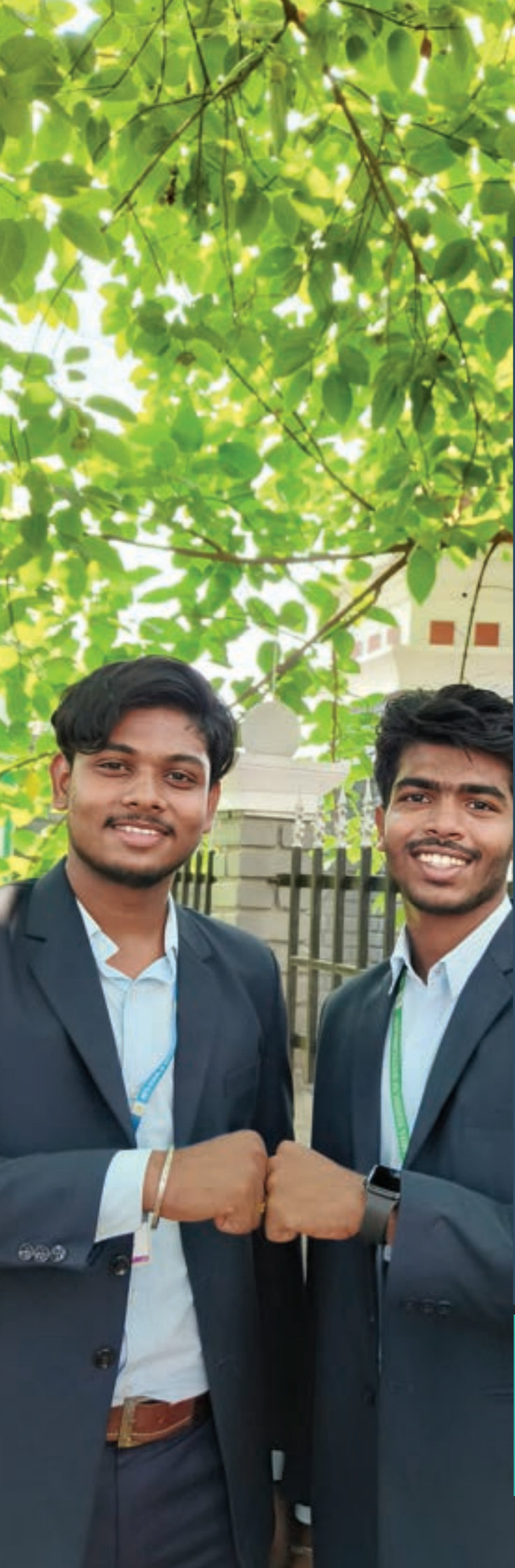
# LAB

## **WHERE SCIENCE THRIVES:**

Our meticulously designed labs provide a controlled, collaborative environment. Advanced ventilation systems and high-tech instrumentation ensure precise research and groundbreaking discoveries.

## **RIDGING THE GAP BETWEEN DISCOVERY AND DEVELOPMENT:**

Our biolabs are more than just equipment. Integrated with computational platforms and AI analysis, they accelerate the translation of scientific breakthroughs into real-world solutions



# Campus Placemnt

## 01 Placement Team

MITS boasts an efficient placement team that strategically attracts companies through meticulous company profiling, extensive networking, alumni engagement, and industry collaborations. The institution ensures comprehensive hospitality support for companies participating in exclusive MITS placements or pooled campus drives, fostering a conducive environment for successful recruitment activities.

Tech Mahindra	60
Capgemini	34
LTIMindtree	31
Silicon Media Pubishing	29
Integrated Resources LTD	26
TCS	23
Wipro	22
OG Healthcare	18
British Telecom	17
Infosys	15
iServeU	10
Cognizant	9
OMICS International	7
Accenture	5
Stignite	3
Promea Biotech	3
Dr. Reddy's	2
BEWL	1

### Packages offered

5.20 L. - OG Healthcare	3.34 L. - Accenture
4.00 L. -Dr. Reddy's	3.25 L. - Capgemini
3.82 L. - Deloittee	3.19 L. - LTIMindtree
3.40 L. - Integrated Resources LTD	3.00 L. - iServeU

## Multiple Placement offers to MSB Graduates    Total 341 Placed

BCA Students



Afifa Parwez, Infosys, Capgemini



Aditya Padhy, LTIMindtree, Capgemini



Shubham Bid, LTIMindtree, Capgemini

B.Sc Students



Alisha Bhuyan  
LTIMindtree, TCS, Capgemini



Satyam Dash  
TCS, Infosys, Capgemini



Shreyashi Aditya  
LTIMindtree, TCS, Infosys

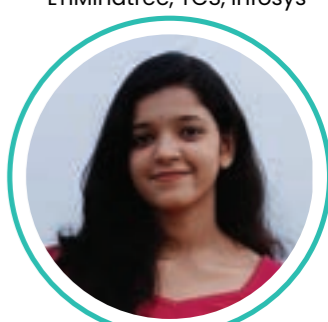
M.Sc Students



Swastika ray, Dr. Reddy's



Priyanka Bisai, TCS



Sibanee Mishra, Dr. Reddy's

## Companies visiting MSB


# MOTIVATED FACULTY



MITS faculty members are the cornerstone of academic institutions, driving excellence through their passion for teaching, research, and mentorship. Their enthusiasm not only inspires students but also fosters a dynamic learning environment where ideas flourish and knowledge is advanced.

Our faculty are dedicated to continuous improvement, often engaging in innovative teaching methods and impactful research that contribute to the academic community and beyond. Their commitment extends beyond the classroom, as they actively mentor students,

collaborate with peers, and contribute to the institution's mission with a sense of purpose and dedication. Ultimately, motivated faculty play a pivotal role in shaping the future generation of thinkers, innovators, and leaders.

## Computer Science

### Prof. Dr. G.K. Panda

M.Tech(BU), M.Phil(VMU), Ph.D.(BU)  
Experience: 23 years Academic & 06 years Corporate  
Areas: Data Science, Data Mining, ML languages(Python,R), RST, SNA  
PhD Supervised: 03

### Dr. Tapaswini Nayak

M.Tech(BU), Ph.D.(CUTM)  
Experience: 17 years Academic  
Areas: Soft. Engg., Operating System, Data Mining, Computing languages

### Mr. Santosh Kumar Nayak

MCA(BPUT)  
Experience: 5 years Academic  
Areas: PHP, Web Tech, Computing languages

### Mr. Chhabi Sethi

M.Tech(Utkal), M.C.A.(Utkal)  
Experience: 17 years Academic  
Areas: Data Structure., ASP.NET, Java Programming

### Mr. Bibhudatta Tripathy

M.Tech(BPUT), B.Tech.(BPUT)  
Experience: 17 years Academic  
Areas: Data Structure., Java, Android Prog, Computing languages

### Jyotirmayee Sahoo

B.Tech  
Experience: 9 years Academic  
Areas: Digital electronics, Microprocessor, Analog electronics



### Subham Kumar Beura

M.Sc , M.Phil. (PhD Cont.)  
Experience: 5 years Academic  
Areas: Image Processing

### Manisha Jena

M.Sc(RD Univ.)  
Experience: 2 years Academic  
Areas: Software Engg., Networking, Computing languages

### Priyanka Sahu

M.Sc. (Comp.Sc.)  
Experience: 3 years Academics  
Areas: HTML, CSS, Java Script

### Subhashree Pradhan

MTech (Comp. Sc.)  
Experience: 3 years Academics  
Areas: Web Tech, Java, Soft Engg.

### Subhransu Barik

MCA  
Experience: 01 year Academics  
Areas: JAVA, Express/React Js, CSS

### Aliva Pattanaik

MSc (Math&DataScience)  
Experience: 2 years Academics  
Areas: Mathematics, Data Science, ML/DL

## Basic Science

### Mr. Siva Ranjan Pradhan

MSc(BU),  
Experience: 16 years Academic  
Areas: Mathematics, Discrete, Numerical, Statistics, OR

### Rudra Prasad Behera

MA, M.Phil. (PhD Cont.)  
Experience: 4 years Academic  
Areas: Subaltern literature and Dalit Literature

### Mrs. Smita Dey

MCom-Finance(FM Univ.)  
Experience: 6 years  
Areas: AFM, Business Accounting, Business Economics

### Dr. Itaswari Kumura

MA (Odia), Phd-Odia  
Experience: 3 years

### Ms. Mamali Panda

MA (Hindi)  
Experience: 1 year

### Mr. Sidharth Mishra

Master in Clinical Psychology,  
PhD(Cont.)  
Experience: 22 years

### Ms. Smarannica Swain

MA (Psychology)  
Experience: 07 years Govt. Projects

# Biotechnology & Microbiology

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

MSc(FAC), Ph.D.  
Experience:46 years Academic  
Areas: Immunology, Biotech.

## Prof. Dr. T.C. Kar

MSc(BU), Ph.D.(BU)  
Experience: 42 years Academic  
Areas: Immunology,  
Biochem.

## Dr. Rashmi Ranjan Mishra (HOD)

MSc(NUO), Ph.D.(NUO)  
Experience:19 years Academic  
Areas: Animal Biotechnology,  
Microbial Ecology

## Mr. Siddhartha Parida

MSc(Andhra University),  
Experience:20 years Academic  
Areas: Plant Tissue Culture &  
Plant Biotechnology

## Dr. Saubhagini Sahoo

MSc, PhD (SOA) Gold Medalist  
Experience: 6 years Academic  
Areas: Molecular Biology &  
Genetic Engg.

## Dr. Diptipriya Sethi

M.Sc.(OUAT), PhD (IIMT)  
Experience: 08 years Academic  
Areas: Anti bacterial activity, Nano  
Particles-Water treatment

## Dr. Rudraksh Shovan Panda

MSc, Ph.D. (Utkal), Post-Doc  
Experience:12years Academic  
Areas: Molecular Biotechnology

## Dr. Subrat Kumar Kar

MSc (SOA), PhD(Ravenshaw)  
Experience: 10 years Academics  
Areas: Biotechnology

## Dr. Mousumi Mishra

M.sc Ph.D (Microbiology), Utkal  
Experience: 14 years Academic  
Areas: Environmental Microbiology

## Ms. Barsha Samantray

M.Sc.( Utkal), Ph.D. Contd.  
Experience: 05 years Academic  
Areas: Enviornmental Science & Microbial Techniques

## Mr. Ashutosh Nanda

M.Sc. Biotechnology  
Experience: 02 years Academic  
Areas: Enviornmental Science, Biochem



**Mr. Siddhartha Parida**

Recipient of: Best Teacher of  
the Year-2024  
Conferred by: Council for skills  
& Competencies, Govt. of India



**Mr. Subham Kumar Beura**

Recipient of: Excellence in  
Student Engagement Award  
Conferred by: Council for skills &  
Competencies, Govt. of India

# Beyond Academics @MSB



**Sports @MSB**



**Annual Day**



**Freshers Day Celebration**



**Student Performance**



**Academic Topper**



**Social Outreach Program**



**Life @ MSB**



**Chess Competition**



**Food Festival**