

**DEPARTMENT  
OF BIOLOGICAL  
SCIENCES**

**MASTER'S IN  
BIOLOGICAL  
SCIENCES**



**2020-2022  
PLACEMENT  
BROCHURE**

# About Us

## Our Mission



- To be a Center of Excellence providing quality education and research training
- To translate research outcomes for the betterment of society
- To collaborate with Educational Institutions / Universities of repute in frontier areas of Science and technology

## Our Vision



To be globally recognized as a premier institution committed to intensive research in basic and applied sciences.

## Our Values

Transparency

Integrity & Ethics

Interdisciplinarity

Collaboration

Inclusivity



# From the Dean's Desk

The Sunandan Divatia School of Science (SDSOS) is known for offering students a friendly and most vibrant academic environment by inculcating great human values, ethics, innovative ability, and making them responsible citizens of this country. I am happy that the success of our academic programs is recognized in academia and industry because of the young and dynamic faculty members and their dedication.



**Dr. Neetin Desai**

Dean, Sunandan Divatia  
School of Science, NMIMS

All the faculties are Ph.D. and have relevant post-doctoral research experience from reputed universities abroad. Our mission is to develop the capacities of the students who can really change the socio-economical development of the nation and to direct the innovative ideas and energy of students in a productive output. Our students also play an important role in making these programs successful through hard work and a continuous approach towards finding solutions for challenging issues. My personal approach has always been to create a conducive environment for all scientific endeavors from the laboratory to the field with an equal opportunity to everyone. The time and money invested by every stakeholder should be used sustainably for a better tomorrow.

# Area Chairperson's Message

The SVKM's NMIMS introduced, highly innovative and unique interdisciplinary courses at the Sunandan Divatia School of Science from the academic year 2007-2008. All the Curriculums offered at the Sunandan Divatia School of Science are programs involving 'Research' and hence research constitutes a major thrust in all the programs. The focus is to generate a pool of highly qualified scientific talent who can fulfil the needs of Research Institutions as well as the demands in an industry setting. Thus the programs ensure employability; address global demands and community development.



**Sunil S. Shirvaikar**

Area Chairperson  
(Placements), Sunandan  
Divatia School of Science,  
NMIMS

We conduct guest lectures by experts from different sectors which helps students to know the various applications in their subjects. We focus on development of student through case studies, presentations research approach in journal club, soft skills, etc. Students are also a part of various committees/cells to hone their creative, social, cultural and inter-personal skills. Our last year batch got final placement from good companies/organizations like Cactus Communications, Journal of Visualized Experiments (JoVE), Kokilaben Hospital, etc. We welcome you to our final placement process at NMIMS Sunandan Divatia School of Science.



# Sunandan Divatia School of Science



Sunandan Divatia School of Science, established in 2007 under the aegis of SVKM's NMIMS deemed-to-be University, aims to provide undergraduate and post-graduate students an opportunity to be a part of the unique research-oriented learning methodology. At Sunandan Divatia School of Science, students are provided with innovative industry-oriented training combined with a unique interdisciplinary course structure emphasizing on the inculcation of critical thinking skills to make them future-ready.



# Department of Biological Sciences

The Department of Biological Sciences currently offers degrees in the following courses :

- M.Sc. Biological Sciences
- Integrated M.Sc. Ph.D. Biological Sciences
- Ph.D. Biological Sciences
- 5 Year Integrated Masters in Biomedical Science.

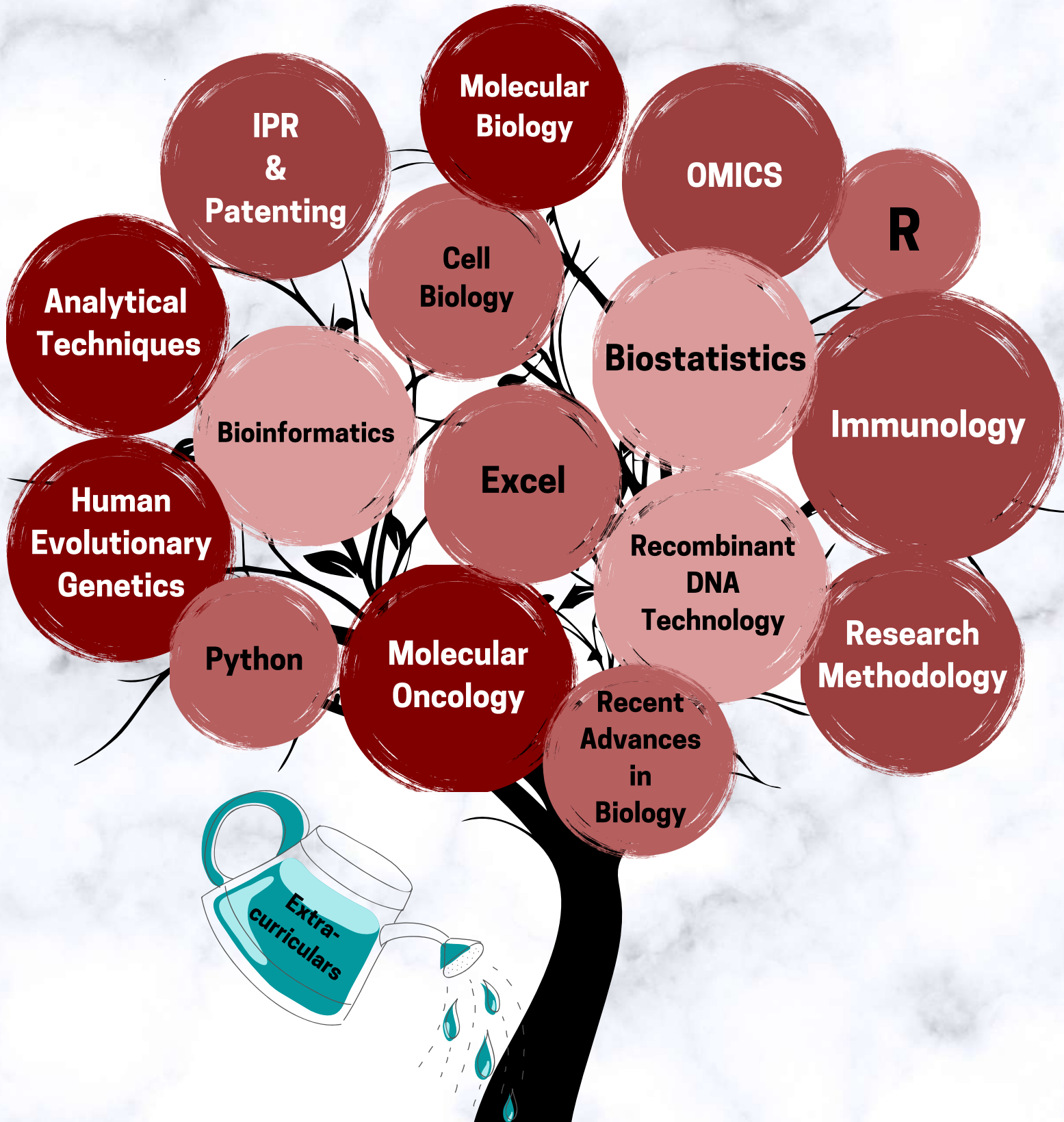


The salient features of our M.Sc. Biological Science program:

- ✓ Grading system at par with international standards
- ✓ Regular revisions to the course in consultation with our Board of Studies, comprising of experts from academia, research institutions and industry
- ✓ Dedicated, qualified faculty to ensure high standard of teaching, learning and evaluation processes
- ✓ Guest faculty drawn from a pool of experts from Industry
- ✓ Industry Interface Programs to keep the students abreast of the latest trends in the industry/research organizations

# M.Sc. Biological Sciences

## Curriculum



# Why Recruit Us?



Interdisciplinary Course Structure



Soft Skill and Technical Skill Training



Dedicated placement cell to enhance employability skill sets



Industry and research Oriented Training



Experiment-based learning



Course designed to acquaint Students with Latest trends in Research



# Course Outline

## Semester I

1. Cell Biology
2. Analytical Techniques in Biology
3. Molecular Biology
4. Research Methodology
5. Biostatistics
6. Human Evolutionary Genetics

## Semester II

1. Recombinant DNA Technology
2. IPR and Patenting
3. Bioinformatics
4. Omics
5. Recent Advances in Biology
6. Research Seminar

## Semester III

1. Molecular Oncology
2. Immunology
3. Computational Tool
4. Research Proposal Presentation
5. Introduction to Python/  
Introduction to Pharmacology/ Molecular Medicine\*

## Semester IV

Dissertation Research Projects



\*Elective component courses

# Extracurriculars

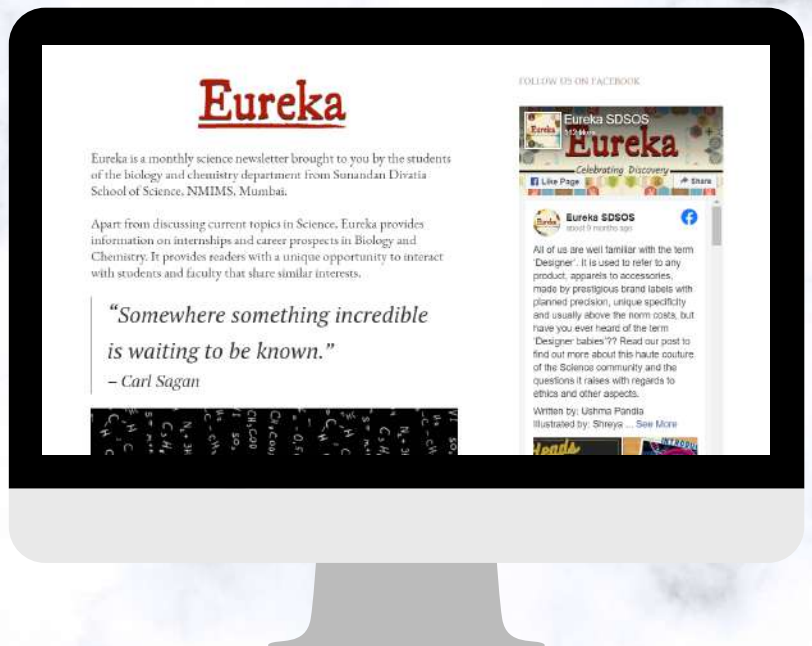


## Excalibur

The annual intercollegiate fest, organized by the students, this year online

## Eureka

The monthly newsletter curated and published by the students





# Guest Talks



**Dr. Khokan Debnath**

General Manager Regulatory Affairs,  
Wockhardt Ltd.

## ***"Pharmacovigilance"***

Dr. Khokan Debnath graduated from Venutai Yeshwantao Homoeopathic Medical College. He pursued PG Diploma from ICRI. He also holds an MBA degree from ITM



**Ms. Sudha Raj**

Director at CLINISYD Research Global  
Solutions Pvt Ltd

## ***"Clinical Research"***

An expert in the field of clinical research, Ms. Sudha Raj has exceptionally managed more than 80 global clinical trials across a varied range of therapeutic areas.



**Dr. Emilio Munoz**

Global Clinical Development Strategy  
Expert- Vaccines at Sanofi Pasteur

## ***"Pharmaceuticals & Clinical Research"***

Dr. Munoz is a licentiate of Medical Council of Canada. Dr. Munoz is now involved in clinical program management across varied therapeutic areas.

# Guest Talks



**Dr. Pallavi Karnik**

Assistant General Manager at  
Intas Pharmaceuticals Ltd.

## ***"Pharmacovigilance"***

Dr. Khokan Debnath graduated from Venutai Yeshwantao Homoeopathic Medical College. He pursued PG Diploma from ICRI. He also holds an MBA degree from ITM



**Anupma Harshal**

Consultant, Science Communication &  
Public Engagement IISER Pune

## ***"MANAV Initiative"***

Ms. Anupma Harshal obtained her post graduate degree in Microbiology, Biochemistry. She is currently engaged in scientific communication and public engagement.



**Dr. Ankit Gupta**

Lead Researcher, Technologies for  
Precision Medicine, Siemens Healthineers

## ***"Role of Bioinformatics in Translational Research"***

Dr. Ankit Gupta is a graduate and doctorate from IISER, Bhopal. Currently involved in bioinformatics and data analytics projects.



# Testimonials

## M.Sc. Biological Sciences 2019-2021



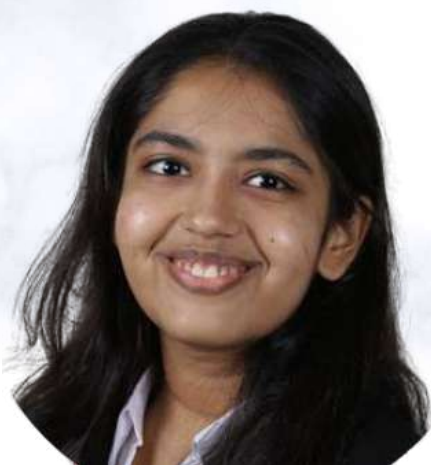
**Prathamesh Wala**  
Editorial Assistant, JOVE

Pursuing my masters from SDSOS was a boon for me. The course structure and the teaching modules offered, theoretical as well as practical, delivered by experienced faculties has provided me with immense subject knowledge. SDSOS focuses on the curricular aspects and co-curricular activities which moulds a student who is industry-ready.



**Kartiki Jadhav**  
Junior Technical Executive, Amvigor Organics

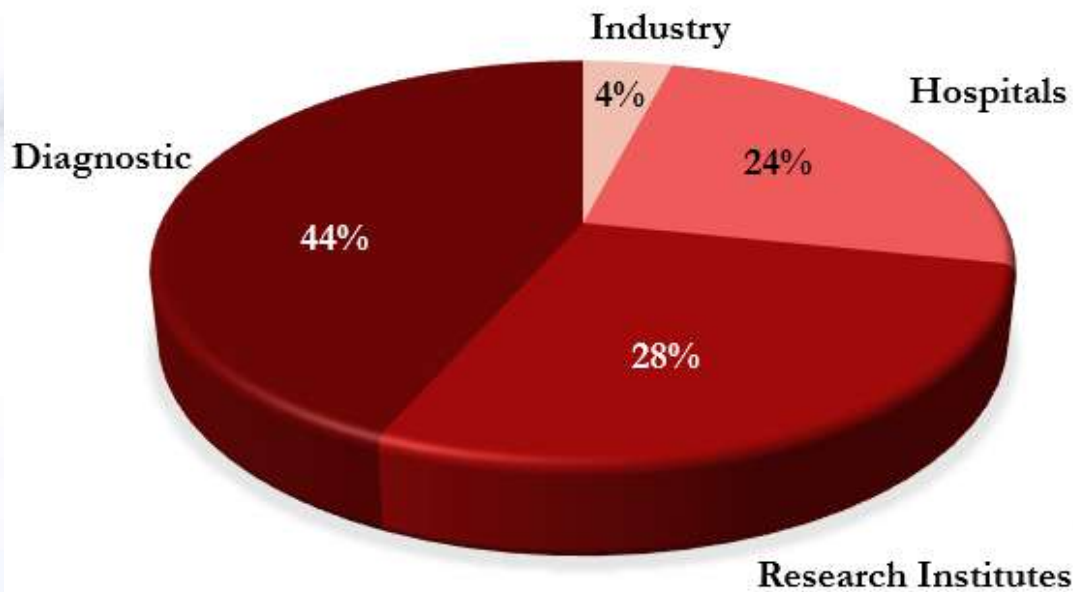
I gained the skills and confidence to thoughtfully use a variety of technical approaches in my recent internship. The faculty was very supportive and readily available with their help. This program at SDSOS is fantastic and has changed my career trajectory for the better!



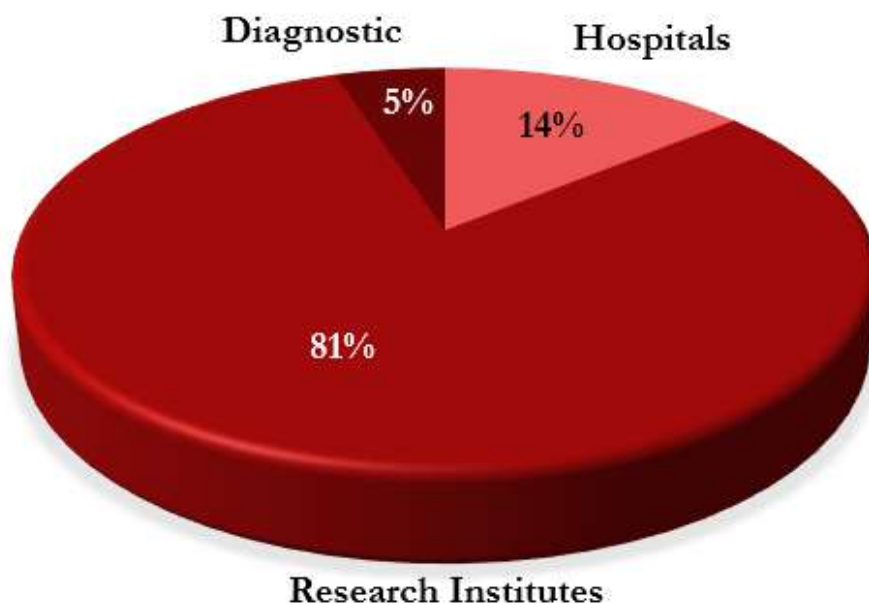
**Pooja Rohit Doshi**  
Scientific officer, Metropolis

My experience at NMIMS SDSOS was a constructive and worthwhile. The coursework was diverse and designed in a way to prepare us for our future. This, along with the practical sessions, and other co-curricular activities contributed to my development. In spite of the pandemic and lockdown, they managed to carry on with the coursework, and other activities online, along with our dissertation project.

# Internship Projects



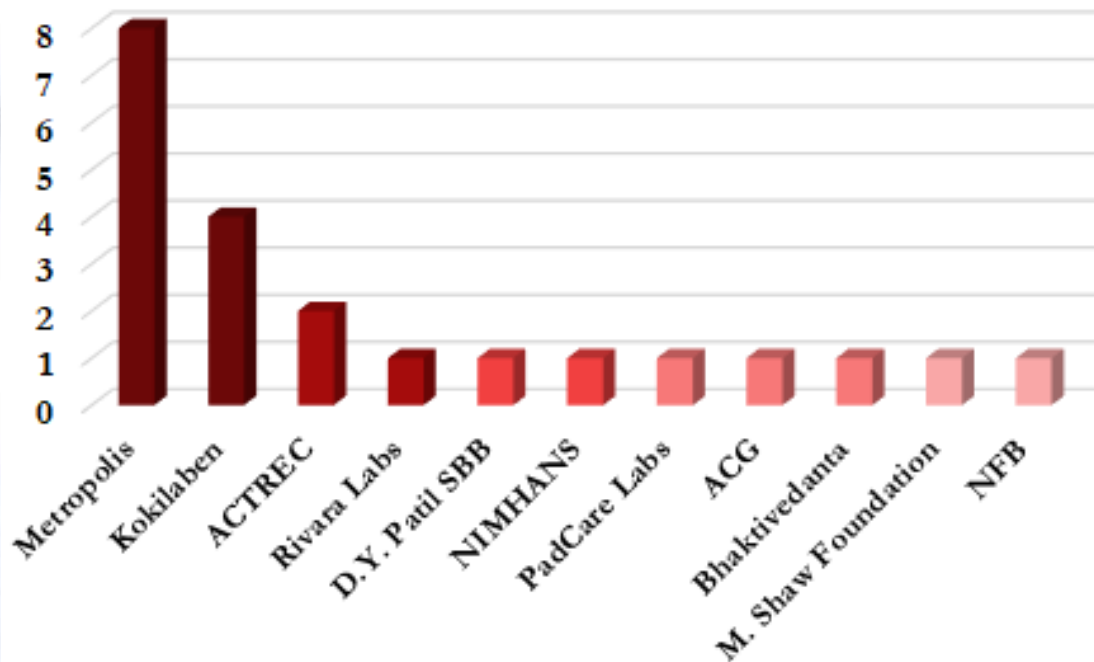
## Sector Wise Distribution (2019-2021 Batch)



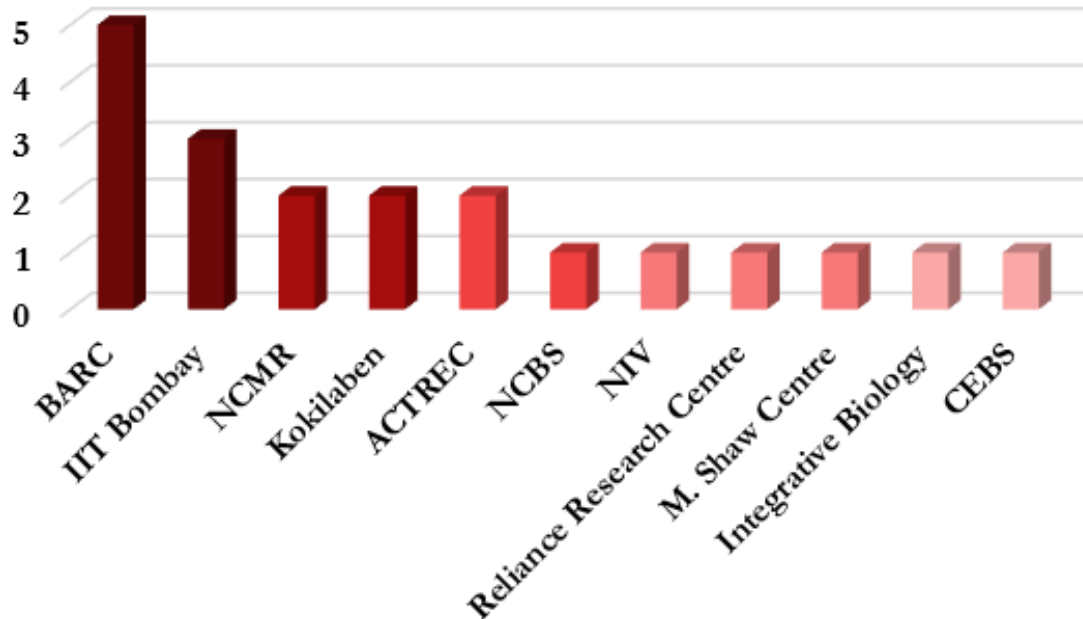
## Sector Wise Distribution (2018-2020 Batch)



# Internship Projects

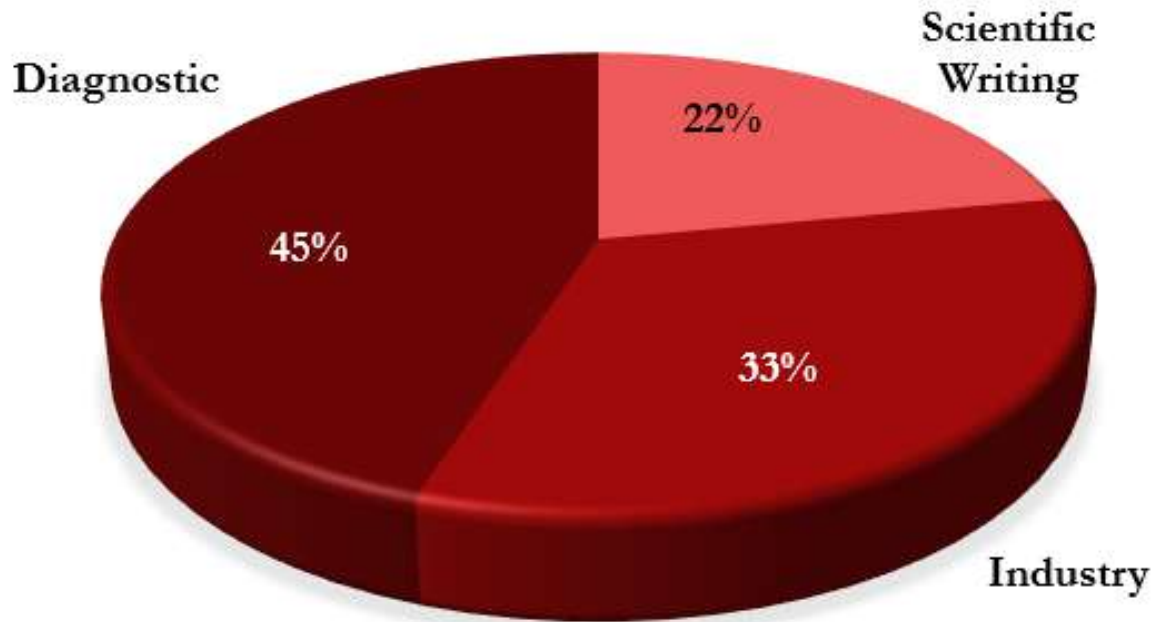


**Batch of 2019-2021**

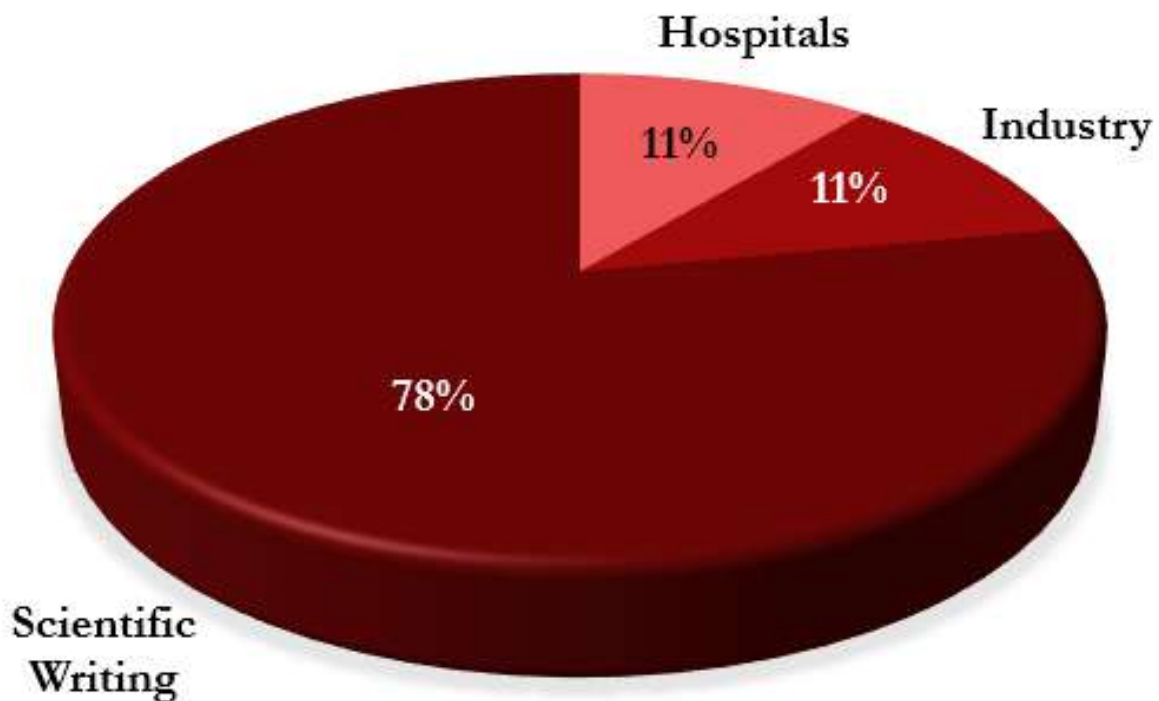


**Batch of 2018-2020**

# Final Placements



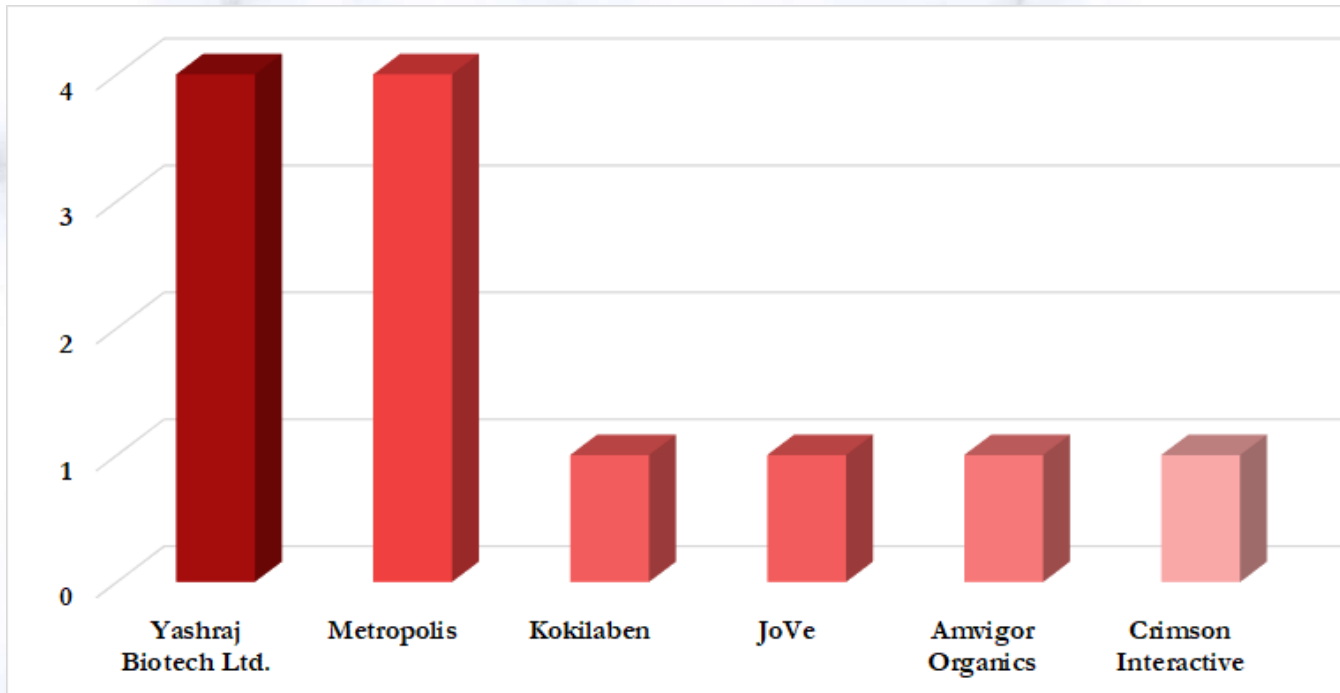
## Sector Wise Distribution ( 2019-2021 Batch)



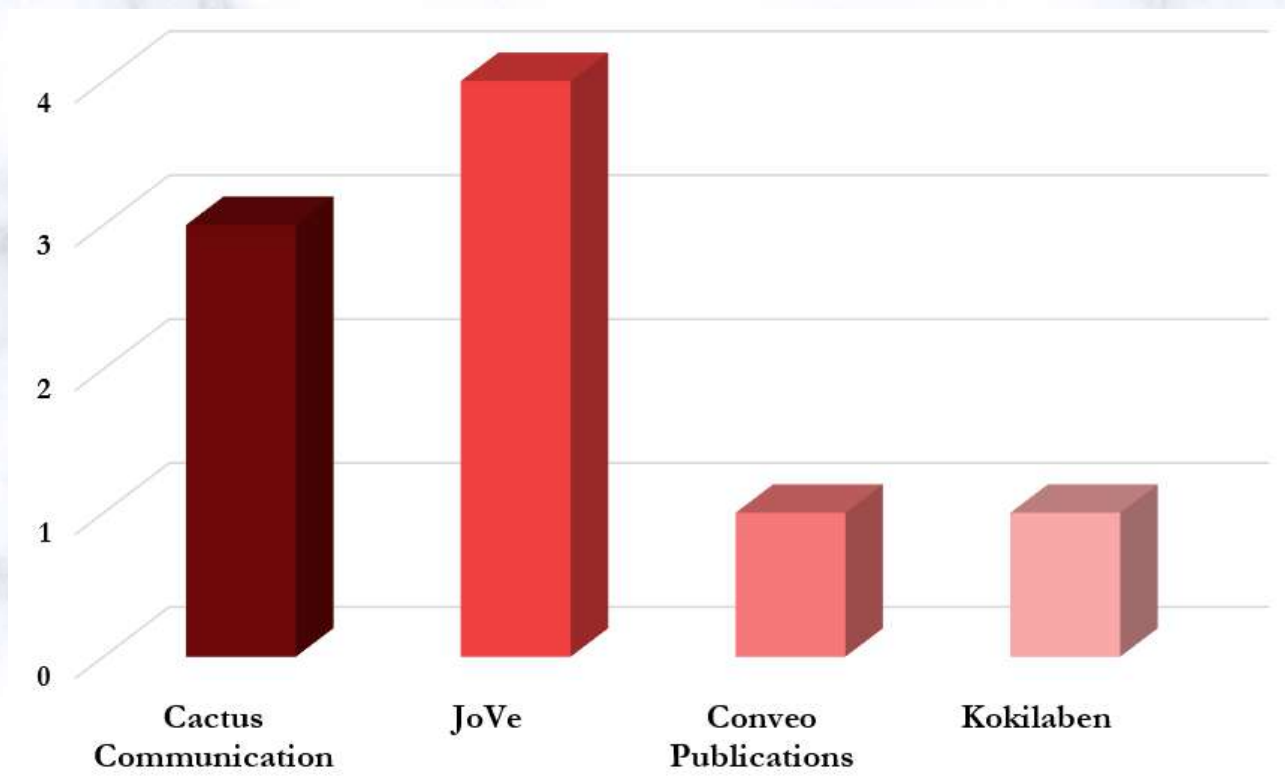
## Sector Wise Distribution ( 2018-2020 Batch)



# Final Placements



## Batch of 2019-2021



## Batch of 2018-2020

# Internship Sponsors





# Placement Sponsors




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hospital & medical research institute

*Every Life Matters*

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**METROPOLIS**  
The Pathology Specialist

# M.Sc. Biological Sciences

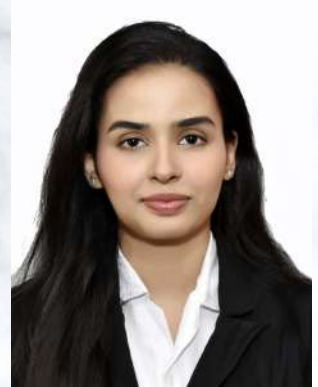
Class of 2020-2022



Aishwarya Patel



Akshay Paradkar



Anushree Govalkar



Shreya Joshi



Shubham Borse



Hiloni Doshi



Angarika Balakrishnan



Amisha Malaviya



Vishakha Kurlawala



# M.Sc. Biological Sciences

**Class of 2020-2022**



Shreya Kumar



Aishwarya Naidu



Shreeom Rane



Zhayaekshi Tembhone



Aryan Yadav



Harshita Bhanushali



Tanisha Bose



Ria Vijay



Pradnya Choukekar



# M.Sc. Biological Sciences

Class of 2020-2022



Saijal Vats



Harshada Naik



Dhruvil Mehta



Sanchit Sharma



Omkar Dhurat



Eatu Das



Vishnu Nair



# Integrated M.Sc. and Ph.D Biological Sciences

**Class of 2020-2022**



Anuradha Panigrahi



Chinmayee Sastri



Divya Balakrishnan



Madhura Kamat

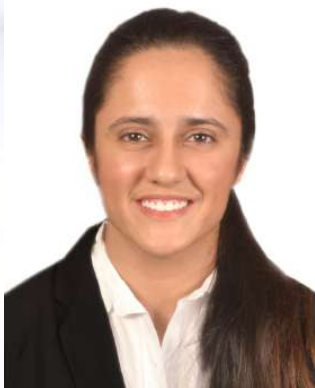


Hufriya Tantra



# Placement Committee

**M.Sc. Biological Sciences  
Class of 2020-2022**



Angarika Balakrishnan  
President



Dhruvil Mehta  
Vice President



Ria Vijay  
Vice President



Aishwarya Patel  
Co-Ordinator



Shubham Borse  
Co-Ordinator



Saijal Vats  
Co-Ordinator



Akshay Paradkar  
Co-Ordinator

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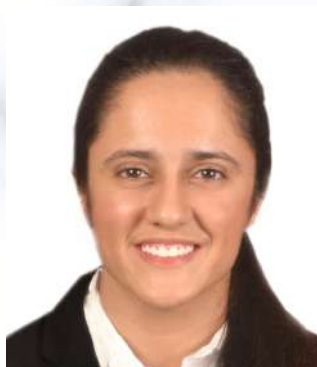
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