

DEPARTMENT OF CHEMISTRY

Placement Brochure

for

**M.Sc. Chemistry
2018-2020**



ABOUT US



VISION

- To be globally recognized as a premier institution engaged in cutting-edge research in Basic and Applied Sciences.

MISSION

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

DEAN'S MESSAGE

The SVKM's NMIMS Sunandan Divatia School of Science, was born out of the foresight of the University with a view to providing undergraduate and post-graduate students an opportunity to venture into the fascinating world of Sciences. The School aspires to be a Centre of Excellence by creating a conducive student-centric environment that supports high quality teaching and research in niche areas of Science & Technology.

The Master's program in Chemistry is designed to develop a student's scientific, experimental and analytical skills. Further, the research-intensive and laboratory-based curriculum covers contemporary subjects and is intended to meet the needs of the ever evolving Chemical & Pharmaceutical Industry, Research Organizations and Research Institutions. Our students have been trained by excellent faculty who have a strong academic research background. Besides, the students are exposed to state of the art infrastructure and equipment to enhance their hands on skills. Moreover, the compulsory research project as part of the curriculum, develops their technical skills and makes them ready to face the industry. To ensure a holistic development of the student, besides academics, students are a part of various committees/cells to hone their creative, social, cultural and interpersonal skills.

I take the pleasure in inviting companies to our School for placements. Our effort is to enable interaction between students and companies to find the best match between their aspirations and requirements.

With Best Wishes,
Dr. Aparna Khanna
Dean

NMIMS, Sunandan Divatia School of Science



PLACEMENT 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.



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 Asian Paints, Yasham Speciality Ingredients, Bio-Genomics, Coromandel International Limited, IITB, etc.

We welcome you to our final placement process at NMIMS Sunandan Divatia School of Science.

With Best Regards,
Sunil S. Shirvaiker
Area Chairperson (Placements)
NMIMS, Sunandan Divatia School of Science

NMIMS SDSOS



Sunandan Divatia School of Science was started in 2007 with a view to provide undergraduate and post graduate students an opportunity to be a part of the unique learning methodology of the university, which lays emphasis on academic excellence combined with industry oriented training. The goal of the Sunandan Divatia School of Science is to be a Center of Excellence in the domain of Pure and Applied Science by providing quality education and research.

- Ph. D. program in Biological Sciences and Chemistry (Regular & Professional)
- Integrated M.Sc. - Ph.D. program in Biological Sciences and Chemistry
- M. Sc. in Statistics, Biological Sciences, Chemistry (Analytical & Organic) and Applied Statistics & Analytics
- Masters of Physiotherapy
- B. Sc. in Applied Statistics and Analytics
- Integrated M. Sc. in Biomedical Science

DEPARTMENT OF CHEMISTRY



- The Department of Chemistry offers degrees in **M.Sc. Chemistry, Integrated M.Sc.-Ph.D. Chemistry, Ph.D. Chemistry (Regular & professional)**. The course is reviewed regularly in consultation with our Board of Studies, which comprises of experts from academia, research institutions and industry from all over India. Thus, the course is tailor made to fulfil the requirements needed to keep pace with the current developments in scientific research.
- In the first year, along with the permanent faculties, the regular lectures are also conducted by visiting faculties who are experts in their respective fields. Apart from the course work, the Department also conducts Guest lectures by eminent academicians and scientists, paper presentations (Journal Club), etc. to ensure learner centric environment.
- Students take up 6 month research projects on varied topics either at the School or any other academic or research institutions of repute.

M. Sc./Integrated M. Sc. - PhD CHEMISTRY



EXTENSIVE COURSEWORK (4 SEMESTERS)

Semester: 1

- Physical Chemistry
- Analytical Chemistry
- Organic Chemistry
- Inorganic Chemistry



Semester: 2

- Advanced Organic Spectroscopy
- Nanoscience and Nanotechnology
- Environmental and Green Chemistry
- Research Methodology and IPR



Semester: 3

- Dissertation Project at Research Institutes Or Industry



Semester: 4

Specialization in

- Organic Chemistry
- Analytical Chemistry

SPECIALIZATION IN CHEMISTRY

Analytical Chemistry

- Analytical Chemistry-II
- Analytical Chemistry-III
- Industrial Chemistry
- Analytical Chemistry IV

Organic Chemistry

- Organic Chemistry-II
- Organic Chemistry-III
- Natural Product Chemistry
- Medicinal Chemistry

INFRASTRUCTURAL LAB FACILITIES

Synthetic Wet Lab



Dissolution Set up



Rotary Evaporator



FTIR



HPLC



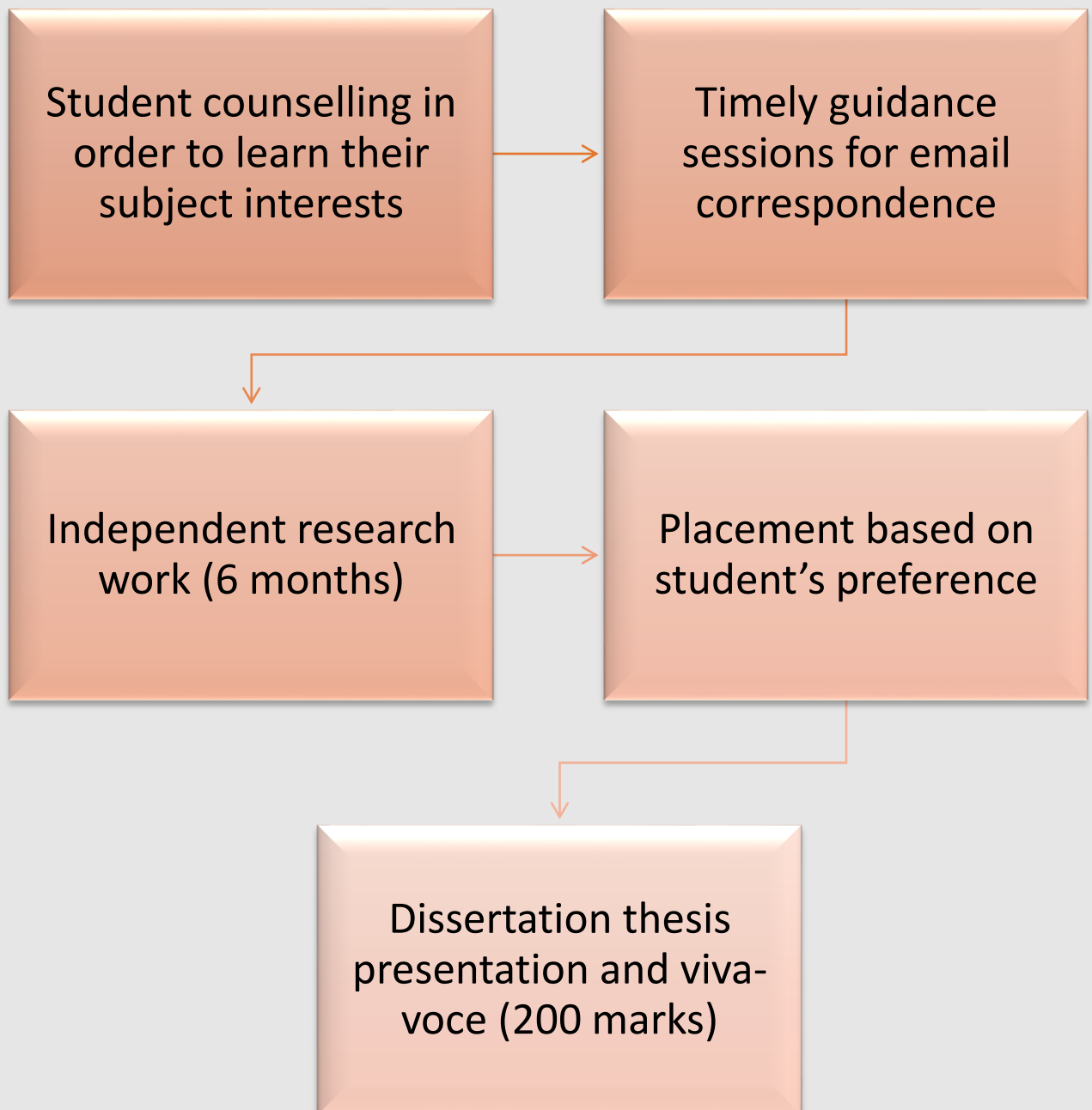
Electrochemical Workstation



**UV-Vis
Spectrophotometer**



MASTER'S DISSERTATION/ INTERNSHIP PROJECTS



ACADEMIC ACHIEVEMENTS



Ms. Ruchita Shelat & Ms. Pinky Shah

Received financial grant of Rs. 20 lacs under DST Women Scientist Scheme (WOS-A) for research in Basic/Applied Sciences.

Gita Singh, Ph. D. Scholar

She has been nominated as one of the five finalists to compete for the title and prize of the 6th EURAXESS Science Slammer India 2018.



RESEARCH AT SDSOS AND COLLABORATIONS WITH INTERNATIONAL INSTITUTES



INTERNATIONAL COLLABORATIONS



Universität Regensburg

- iPUR funding
- Prof. Dr. Antje Baeumner
- ECL-based Nano-Immunosensor for liver cancer

Technische Universität Chemnitz

- InProTUC funding
- Prof. Dr. Heinrich Lang
- Ink-Jet printing of dendrimer-magnetic nanoparticles

INTERNATIONAL CONFERENCE ON ADVANCES IN MATERIALS SCIENCES AND APPLIED BIOLOGY (AMSAB - 19), January 8-10, 2019



INDUSTRIAL VISITS



**Zydus Cadila, Pharmaceutical Technology Centre, Thane
(28th September 2018).**



**Reliance Industries Limited, Mumbai
(25th October 2019)**

POPULAR LECTURE SERIES

By

**Indian Women Scientist Association (IWSA) in
Collaboration with Department of Chemistry, SDSOS**



Workshop on Nano-Chemistry Organized by IWSA Supported by BRNS-DAE (19th February 2018). **Invited Speakers:** Dr. Vivek Polshettiwar, Department of Chemical Sciences, TIFR, Mumbai & Dr. Dharendra Bahadur, Department of Metallurgical Engineering and Materials Science, IITB, Mumbai.



Popular Science Lecture organized by IWSA Supported by BRNS-DAE (12th October 2019). **Invited Speaker:** Dr. Sharmistha Dutta Choudhury, Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Mumbai.

GUEST LECTURES



Mr. Akshat Desai, R & D Analyst, Asian Paints, Mumbai



Mr. Amit Samant, HR Manager, Yasham Pvt. Ltd. Mumbai

CO-CURRICULAR ACTIVITIES

Excalibur (Cultural event) & Sports

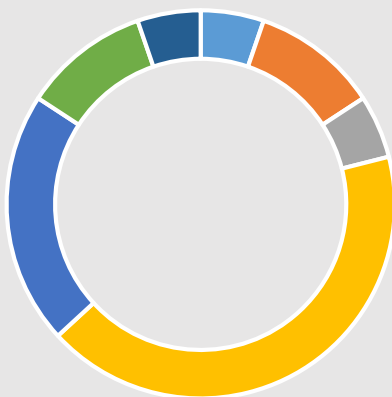


PLACEMENTS/INTERNSHIPS



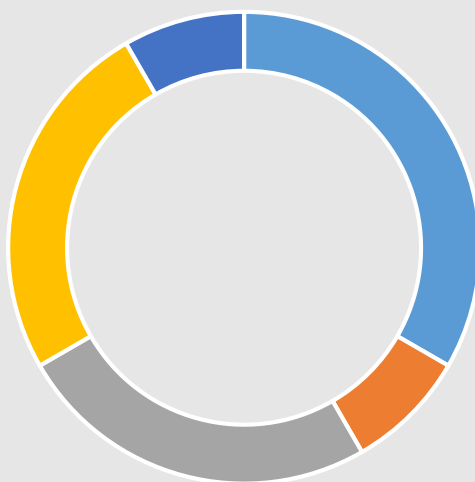
PROJECT INTERNSHIPS DETAILS

(Current batch 2018-2020)



- Ambernath Chemicals
- Lupin Pharmaceuticals
- NIT Surat
- BARC
- Zydus Cadila
- Alkem Laboratories
- Bliss Gvs

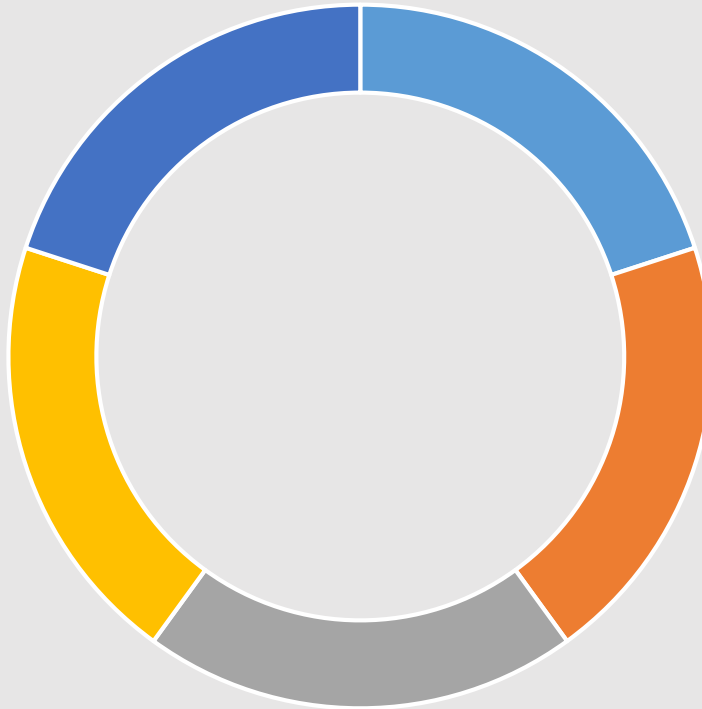
(Previous batch 2017-2019)



- BARC
- QBD
- ZYDUS
- BCP
- IIT Bombay

FINAL PLACEMENTS

(Previous batch 2017-2019)



- Asian Paints
- Yasham Pvt. Ltd.
- Bio-Genomics
- Coromandel International Limited, IITB
- Higher studies

EMINENT ALUMNI: TESTIMONIALS (2017-2019)

Vedant mothe-

My two years at Sunandan Divatia School of Science have been excellent and memory to cherish for lifetime. The years spent have been full of learning opportunities that were full of fun and sometimes with academic grind that one has to go through. The exposure during internship helps you to be a better person and to face the challenges of corporate world



Ananya Nirmalraj-

So many things learnt... Academics is only a part of the overall learning at SDSOS. Internship arranged by the college provided opportunities to rub shoulders with and learn from professionals in their area of expertise. Overall not just academics, but a wholesome combination of learning and life skills.



Urvi Dedia-

Thank you for providing me a healthy environment where I could learn and face all. NMIMS brought real life experiences where I could put my passions into practice.



Jessica Jhonsa-

I adore the two years of masters staying at Sunandan Divatia School Of Science. Having classmates, experienced professors, and mentors from different backgrounds are exposed to new viewpoints and perspectives. This is why we are become open-minded and global thinkers.



CLASS OF M.Sc. CHEMISTRY 2018-2020



Sweety Maria
**Intern at Ambernath
Chemicals**



Vasant Dalvi
Intern at Zydus



Darshan Oza
**Intern at Bliss
GVS**



Pooja Mishra
Intern at Zydus



Mahaganesh Nadar
Intern at Zydus



Tejashree Narawdkar
Intern at BARC



Jinal Patel
**Intern at Alkem
Laboratories**



Prutha Patel
**Intern at Lupin
Pharmaceuticals**



Parth Shah
Intern at BARC

CLASS OF M.Sc. CHEMISTRY 2018-2020



Tasleem Shaikh
Intern at Zydus



Vandana Sharma
Intern at BARC



Nilesh Singh
Intern at BARC



Drashti Thakkar
Intern at BARC



Vishal Vasani
Intern at Alkem
Laboratories



Priti Yadav
Intern at BARC



Vikas Yadav
Intern at BARC



Nancy Soni
Intern at NIT



Shradha Sasidharan
Intern at Lupin
Pharmaceuticals

STUDENT PLACEMENT COMMITTEE 2018-2020



Vishal Vasani

PRESIDENT



Nilesh Singh

VICE-PRESIDENTS



Drashti Thakkar



Darshan Oza



Tejashree Narawdkar

CO-ORDINATORS

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