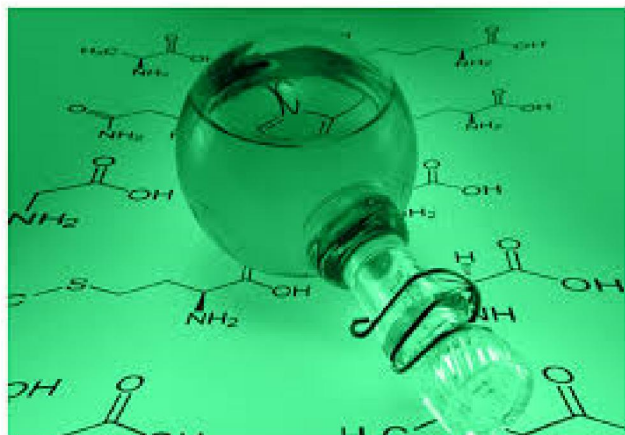




Chemistry Brochure



- **SVKM's trust is since 1930s committed to the cause of providing high quality education. It Enjoys international recognition as one of the leading institutions of Management training. NMIMS has been consistently ranked amongst best universities at national level. The Off-Campus Centres are: Shirpur , Bengaluru and Hyderabad.**
- **Sunandan Divatia School of Science was started in 2007 to Provide undergraduate and post graduate students an opportunity which lays emphasis on academic excellence**
- **Our mission is to be a Center of Excellence in the domain of Pure and Applied Science through quality education and research training and be globally recognized as a premier Institution to provide affordable value-based education**

Laboratory Facility:

- Well Equipped Labs for Masters and Ph.D. Programme
- HPLC
- Dissolution Apparatus
- UV-Vis
- FT-IR
- SPE
- SFC/SFE
- Electrochemical Workstation
- LC/MS, Nano Analyzer, Zeta Potential, HPTLC (Central facility)
- LC/MS/MS (Central facility)



Library:

NMIMS has a state of art Library. It takes pride to have as many as 42,000 books, more than 315 journals, more than 5,000 e-journals, 14 databases.

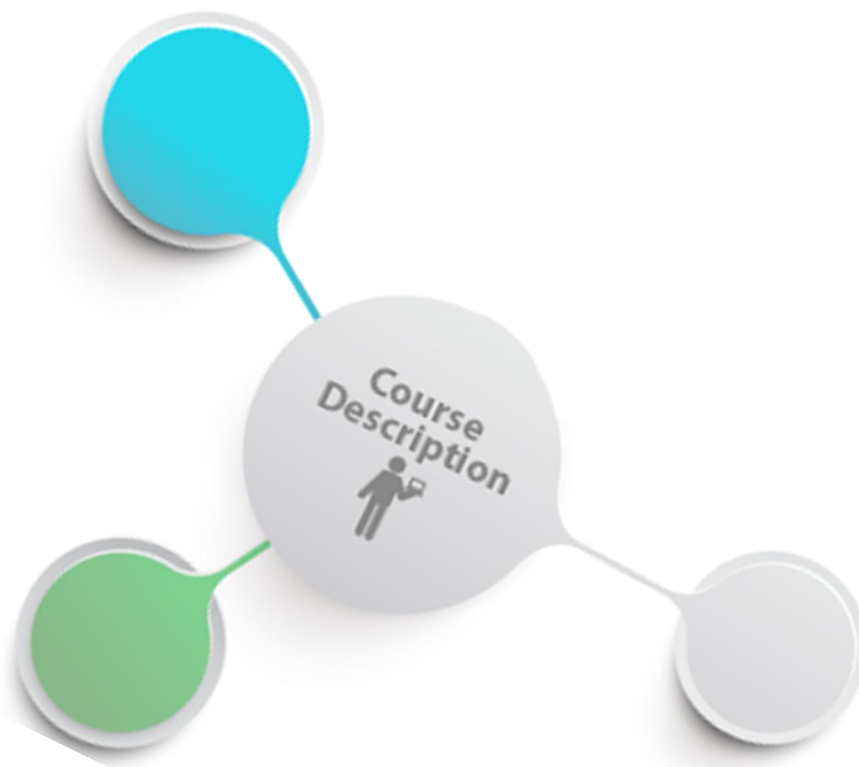
Computing /IT: The entire campus has good connectivity through wi-fi net -work system. The computer centre is equipped with branded personal computers adequately supported by 3Mbps shared leased line for internet connectivity.

- Prof. Dr. Heinrich Lang, Department of Inorganic Chemistry, Technical University, Chemnitz, Germany.
- Prof. Dr. Antje Bauemner, Department of Analytical Chemistry, University of Regensburg, Regensburg, Germany .
- Prof. Dr. Ehud Gazit, Nanoscience and Nanotechnology, Tel Aviv University, Tel Aviv, Israel.
- Prof. Dr. Pulickel Ajayan, Department of Materials Science and NanoEngineering, Rice University, Texas, USA.
- Prof. Dhirendra Bahadur, Department of Metallurgical Engineering and Materials Science, Indian Institute of Technology Bombay.
- Prof. Nandkishore, Department of Chemistry, Indian Institute of Technology Bombay.
- Dr. K. C. Barick, Scientist C, Chemistry Division, Bhabha Atomic Research Centre (BARC), Trombay, Mumbai.
- Dr. H. Pal, Scientist E, Radiation Division, Bhabha Atomic Research Centre (BARC), Trombay, Mumbai.
- Dr. Rakesh Rai, Liver Transplant Surgeon, Fortis Hospital, Mulund, Mumbai.
- Dr. Prasenjit Ghosh, Department of Chemistry, Indian Institute of Technology Bombay.
- Dr. Prasenjit Bhowmick, Department of Biosciences and Bioengineering, Indian Institute of Technology Bombay.
- Dr. Ashish Mungantiwar, President, Macleods Pharmaceuticals, Mumbai.
- Prof. Krishna Aiyer, Bombay College of Pharmacy, Mumbai.

- **Basic Chemistry in Organic and Analytical**
- **Nanoscience and Nanotechnology**
- **Pharma Sciences/New Formulation**
- **New Drug Development**
- **Translational Phytochemistry**
- **Electrochemistry**

Integrated M.Sc- Ph.D
(Min. 5 years)
Chemistry

Ph.D
(Minimum 4 years)
Chemistry



Master of Science
(2 years)
Chemistry
Specialization- Organic
Chemistry & Analytical
Chemistry

Analytical Chemistry

Stability studies and impurity profiling.
Bioavailability studies.

Separation, identification and quantification of
chemical components of drug formulations.

Isolation of phytoconstituents using
supercritical fluid extraction technique.



Organic Chemistry

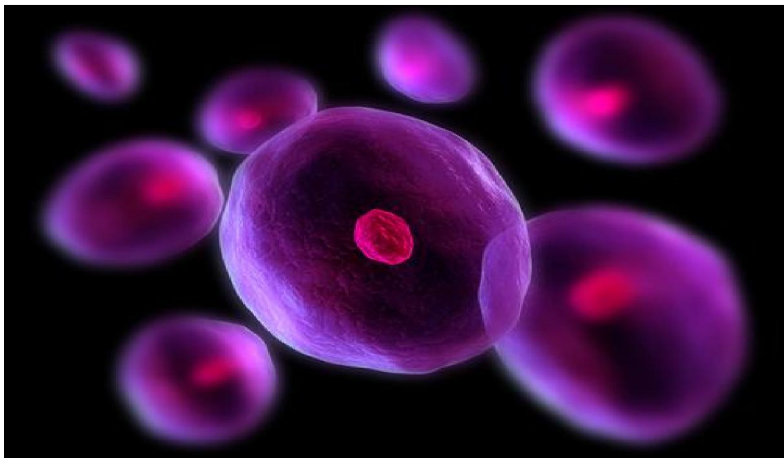
New drug Discovery

Synthesis and characterization of
Microcapsules for different class of compounds
Synthesis of New drug molecules /or from
plant sources

Polymer Chemistry

Herb Drug Interactions

Solubility enhancement studies



- **Experiential Learning.**
- **Unique program spread over four semesters in 2 years including 6 month project work with reputed Industries or academic institutions.**
- **Dynamic Programme.**
- **Periodic review and revision of curricula based on feedback from the industry with quick response to ensure the relevance of the programmes to the changing needs of industry.**
- **Grading system at par with international standards.**
- **Guest faculty drawn from a pool of experts from Industry.**
- **Innovative teaching methods involving continuous interaction amongst faculty and students.**
- **A system of continuous evaluation through seminars, quizzes and practicals.**
- **Outcome base learning.**

Pedagogy

- **The course lays emphasis on the overall development of laboratory skills of a research student coupled with an expansion of his/her knowledge base through an interdisciplinary course work. The course work comprises of lectures and practicals in the first year and subsequently fine tuning these skills in a particular area of specialization.**
- **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 fulfill the requirements needed to keep pace with the current developments in scientific research.**
- **While the research student will have ample opportunity to acquire hands-on training on modern, sophisticated instruments/equipment wherever necessary, he/she will also be able to benefit from the expertise of one or more supervisors, wherever needed.**
- **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 Faculty also conducts Guest lectures by eminent academicians and scientists, paper presentations (Journal Club), etc. to ensure learner centric environment.**
- **In the second year, after the second semester students take up 6 month research projects on varied topics in industry or research institutions of repute.**

- **3-day National Seminar on Recent advances in Analytical and Spectroscopic Techniques from October 15-17, 2015**
- **Two-Day Faculty Development Program on Molecular Modeling and Drug Design on January 16-17, 2015**
- **Two day workshop on Analytical Nanoscience from November 20-21, 2014**
- **Open Day for two days on 1st & 2nd December was organized where Department received more than 250 students from well reputed colleges of Mumbai.**

Journal Club



Quality Cell



Industry Interface Cell



Placement Cell



Social Responsibility Cell



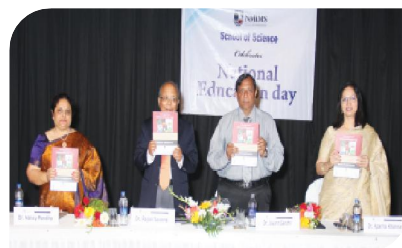
Biomedical Research Journal



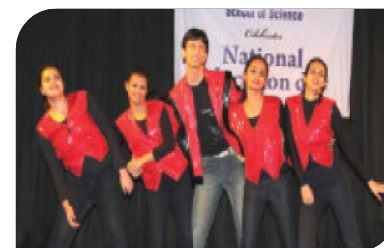
Open Day



National Education Day

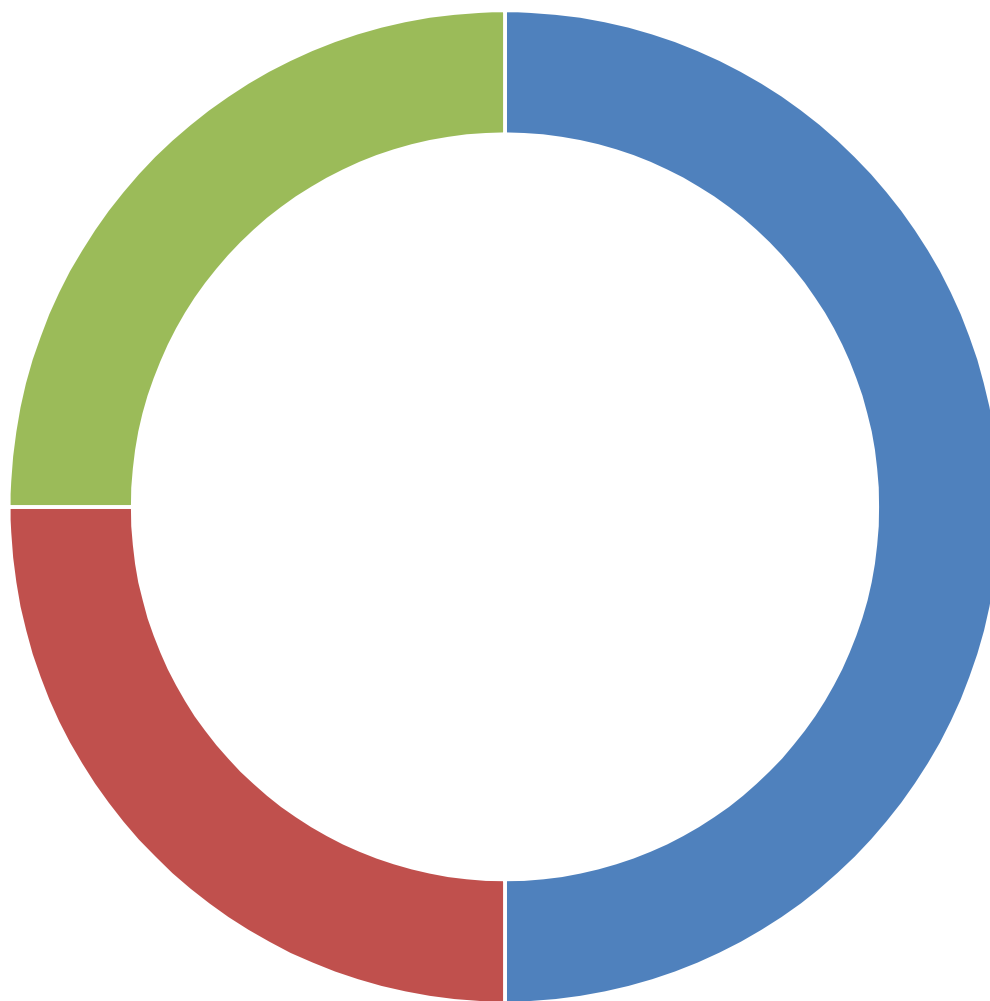


Cheerz Club



Research Institute	Pharma	Chemical Industry
Indian Institute Of Technology- Bombay	Cipla	Analytical Solutions
Bhabha Atomic research Centre	Zydus Cadila	Omni Active Health Technologies Ltd.
PERD	Macleods Pharma Ltd.	Indian Rubber Manufacturers Research Association
Indian Institute of Science Education & Research	Ajanta Pharma ltd.	Indofil Industries Ltd.
TIFR	IPCA Lab	Johnson & Johnson- Janssen
Reliance Life Sciences	Sun Pharma	Mettler- Toledo India Pvt Ltd.

Company wise- Project



■ BRIT Division of DAE ■ BARC ■ IPCA Labs.



Nupur Ketan Gor

Objective:

A career opportunity with a firm where I can best utilize my technical knowledge and soft skills to learn, grow and add value to the organization. Apparently, I would like to serve with the best of my knowledge in the field of chemistry, specifically in the drug designing sector. I would also like to help in the Analytical Department and Quality Control Cell of the pharmaceutical industry. I would surely achieve it with my dedicative, deterministic and self-motivated nature.

B.Sc. Chemistry in first division (6.24/7.0) in 2016 from Ram Narain Ruia College, Mumbai.



Shirin Panjwani

Objective:

Seeking for an internship at a laboratory dedicated to work in the field of Research and Development or Quality Assurance in Pharmaceuticals. Apparently, I would like to serve with the best of my knowledge in chemistry. I would surely achieve it with my dedicative, deterministic and self-motivated nature.

B.Sc. Chemistry in first division (73.31%) in 2016 from Mithibai College, Mumbai.



Dnyaneshree.R.Gole

Objective:

Seeking for a internship at a laboratory dedicated to work in the field of Analytical Chemistry. I aim to be an asset to any organization by employing my existing skills and knowledge and aspire to learn new skills and achieve excellence in the field.

B.Sc. Chemistry in (4.20/7) in 2016 from K.G Somaiya College, Mumbai.



Neha Bikrama Prasad

Objective:

I am seeking a company where I can use my experience and education to help the company meet and surpass its goals. I want to excel in this field with hard work.

B.Sc. Chemistry in first division (6.51/7.0) in 2015 from K.G Somaiya College, Mumbai.



Sonal Rane

Objective:

Seeking for an internship at a laboratory dedicated to work in the field of Research and Development in Pharmaceuticals. I aim to be an asset to any organization by employing my existing skills and knowledge and aspire to learn new skills and achieve excellence in the field of research.

B.Sc. Chemistry in first division (90%) in 2016 from Bhavans College, Mumbai.



Jennifer Sundaram

Objective:

Seeking a challenging and a creative environment to utilize and enhance my skills which will help me to explore and realize my potential. I intend to acquire a rewarding experience while being resourceful and contribute success to the company.

B.Sc. Chemistry in (2.77/4) in 2015 from St.Xavier's College, Mumbai.



Sushant.S.More

Objective:

Seeking for an internship at a laboratory dedicated to work in the field of Research and Development in Pharmaceuticals. To get a suitable position in a competitive atmosphere with a scope of contributing my ability, skills & learning for the growth of organization

B.Sc. Chemistry in first division (85%) in 2016 from Sathaye College, Mumbai.



Akshat Desai

Objective:

Seeking for a research internship at a laboratory dedicated to work in the field of Organic or Analytical chemistry. I aim to be an asset to any organization by employing my existing skills and knowledge and aspire to learn new skills and achieve excellence in the field of research.

B.Sc. Chemistry in first division (87%) in 2016 from Mithibai College, Mumbai.

Programme Director (Statistics) & Area Chairperson Placements	<ul style="list-style-type: none">• Prof. Sunil Shirvaiker, sunil.Shirvaiker@nmims.edu	+91 22 4235 5954 +91 98200 04410
Head of Dept.- Chemistry & Placement Advisor- Chemistry	<ul style="list-style-type: none">• Dr. Nancy Pandita, nancy.pandita@nmims.edu	+ 91 22 4235 5953 +91 99674 71319
Placement Executive	<ul style="list-style-type: none">• Ms. Ankita Priyadarshani ankita.priyadarshani@nmims.edu	+ 91 22 4235 5815 +91 91672 55052
Student Placement Coordinators	<ul style="list-style-type: none">• Jennifer John Sundaram, jenniferjohn1994@gmail.com• Shirin Panjwani, shirinpanjwani1@gmail.com	+91 75065 38667 +91 75061 19490



THANK
YOU!