

SVKM's NMIMS

Annual Report (2015-16) of Sunandan Divatia School of Science

1. Introduction

School of Science was started in the year 2007-2008, 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 School of Science is to be a Center of Excellence in the domain of Pure and Applied Sciences by providing quality education and research training.

School of Science was renamed as Sunandan Divatia School of Science on May 18, 2015

2. Academics (Innovation / Pedagogy)

The School introduced new programmes like B.Sc. (Applied Statistics & Analytics), Ph.D. Chemistry (for professionals) and four Post Graduate Diploma programmes in Physician Assistance, Operation Theatre Technology, Central Sterile Services & Non- Invasive Cardiology.

3. Co curricular Activities /Extra Curricular Activities – Specify Students important Accomplishments

The students of School of Science participate in various poster/ oral presentations in International / National Conferences. The faculty & students also have a number of papers published in National & International Journals. This year saw a few publications with high impact factor.

4. Guest Lectures / International Visitors / Workshops / Industry Visit Conducted - specify only numbers and details of some very important event/s.

- The Industry Interface Cell encourages and assists the students to take up summer internships in various academic and research institutes as well as industry. The Cell also helps the students to obtain live research projects (6 months) from different organisations in various industries depending on the area of their specialisation. Numbers of students have been selected for summer internships in companies/ research institutes like RBI, BARC, IpcA Labs, Metropolis, IIT Bombay etc.
- Final placements secured at TCS, Willis Processing Services India Pvt Ltd, HDFC Bank, L& T Infotech, Cognizant etc.
- Regular Guest lectures by eminent scholars, to name a few, Dr.Vandana B. Patravale, Professor of Pharmaceuticals, ICT, Matunga, Mumbai, Mr. Sandeep Sailli, Clinical Specialist, M Sc Physiotherapy,BCR Therapy, Dr. Yasmin Khan Associate Professor, Sophia College Mumbai, Dr Ashok Vaidya Research Director, Kasturba Health Society, Mumbai, Dr Ashwini Kumar Raut Research Director, Kasturba Health Society, Mumbai, Mr Satya Tiwari Commercial Director, Anti- Infectives, Classic Brands, EMAP, GSK, Dr SasiKumar Menon Assistant Director, Therapeutic Drug Monitoring Laboratory. Dr. Vidita Vaidya, Associate Professor, Department of Biological Sciences, TIFR, Mumbai, Mr. Debopam Chadhuri, Vice President & Chief Economist Zyfin Research Foundation, Prof. D. Bahadur, Institute Chair Professor Department of MEMS, IIT Bombay, Dr. A. K. Srivastava, Department of Chemistry, University of Mumbai, Mumbai, Dr. Chandrasekhar Haramaghatti,

Research and technology centre, Asian Paints Ltd. Mumbai, Dr. Shilpa Sawant, Chemistry division, BARC, Mumbai, Prof. T. G. Gopakumar, Department of Chemistry, IIT Kanpur, Dr. K. Vanaja, Visweshwara Institute of Pharmaceutical Sciences, Bangalore, Dr. Sudha Srivastava, Department of Chemical Sciences, TIFR, Mumbai, Mr. Leslie Rebello, Director, L. R. Associates Pvt. Ltd., Mr. Nirlap Vora, SAS Practise Head - Analytics Platform (SAS and Ultramax), Dr Ravindra Shetty, Patent Attorney and Advocate, Dr. Pallavi Karnik, Principal Scientist, Biogenomics Limited

- Organized a three day event “OPEN DAY” from 3rd -5th December 2015 to provide an opportunity for students currently studying in final year BSc to visit SDSOS to see the various instruments, research activities and learn about the different courses available at the school. The Open Day was attended by 518 students from colleges
- The department of Physiotherapy organized Continuing Physiotherapy Education in the Intensive Care Unit on 6th February 2016
- Organized Five days our day hands on workshop on Cell Culture and Molecular Biology Techniques.
- Organized a two- day workshop Sankhyiki for undergraduate students of Statistics on *Campus to Corporate: Career in Statistics and Analytics*.

5. International Linkages

Name of Faculty	Details	Date & Duration
Dr. Sudeshna Chandra	Short Research stay for Experienced Researcher sponsored by Alexander von Humboldt Foundation, Bonn, Germany	01.11.2015 to 31.01.2016 (3 months)

Sr No.	Name of student	University	Email id	Location	M/F	No. of Terms	Month	Trimester
1	Delina Joseph	Technische Universitat, Chemnitz, Germany	delina_davis@yahoo.com : delinajoseph@gmail.com	Germany	F	3	months	1st

6. Any other

- **Harish Gaisas**, pursuing B.Sc. Biomedical Sciences course from Coventry University, will be doing his internship at the school for a period of 2 months from July- September 2015.
- **Ms. Swati Chitrangi**, PhD Scholar, has been selected for an advanced training at National Institute of Advanced Industrial Science & Technology (AIST) for a period of three months at Tsukuba Science City, Japan, under the DAILAB-STAR program. Swati will be working in the Cell proliferation Group, in area of stem cell imaging and drug screening using novel assays. The project is promoted by DBT-AIST International Laboratory for Advanced Biomedicine training program.
- Convocation 2015 for Sunandan Divatia School of Science was held on August 04, 2015. Mr. Vijay Chandok, President ICICI Bank was the Chief Guest for the ceremony. There were in total 27 students who received their Post Graduate Degrees and nine students who received their Doctoral Degrees. Dr. Viraj Gala, who received her Doctoral Degree in Biological Sciences, was awarded the “Best Thesis” award for her thesis titled ‘Evaluation

of the anti-quorum sensing activity of Indian medicinal plants against certain Gram negative pathogens’.

➤ Two students of the Master of Physiotherapy programme, Nikita Suvarna, Bhagyashree Sheth were invited as ‘On Field Physiotherapists’ for the Ultra Mumbai Marathon organized by Shivaji Park Marathon Club & friends on August 15, 2015

➤ **Ms Miloni Thakkar**, working under mentorship of Dr. Brijesh Sukumaran, Assistant Professor, Department of Biological Sciences, has been selected for an internship programme at **Reddy Chemtech, Inc., Georgia, USA** for a period of three months. The period of internship is August to November 2015. Miloni will be provided the expenses for travel and staying expenses. During her internship period Miloni will be getting hands-on training in designing various drug delivery carriers with a special focus on targeted drug delivery. She will be working especially on glutathione responsive disulfide linker technologies to develop optimum delivery systems for improved efficacy and tolerability of therapeutic agents. She will also be helping in project designing and execution.

➤ After a rigorous selection process, the jury of THE MEDSCAPEINDIA AWARDS 2015, comprising of the leaders in the Healthcare Industry & other top Corporates chose NMIMS University for the award in the category of - “Excellence in Physiotherapy”.

THE MEDSCAPEINDIA AWARDS 2015, is the first initiative of its kind to encourage the finest healthcare professionals and healthcare providers in India, aiming to set a new benchmark for the healthcare industry. The dream behind this award is to create unity among medical & paramedical healthcare professionals to achieve greater heights.

Dr Aparna Khanna, Dean, Sunandan Divatia School of Science received the award on behalf of the University, on Oct 17th, 2015.

The function was attended by Doctors, Presidents of various Medical & Paramedical Branches, Government Officials, Women Professionals, Medical Teachers, celebrities and Industrialists.

➤ Department of Chemistry, SVKM’s NMIMS Sunandan Divatia School of Science organized the National Seminar on “Recent Advances in Spectroscopy and Analytical Techniques” from 15th to 17th October 2015. The Seminar was designed to highlight the latest developments in the area of Electrochemistry, Spectroscopy, Phytochemistry and Nanosciences.

There were eminent guest speakers like Prof. D. Bahadur, (IIT) Emeritus Professor, Prof. T. G. Gopakumar (IIT Kanpur), Dr. Ankona Dutta (TIFR), Prof. A. K. Srivastava (Mumbai University), Prof. C. P. Rao and Prof. Nandkishore (IIT Bombay) were highly valued and appreciated by the students.

The National Seminar was supported and sponsored by NMIMS University and co-sponsored by Department of Science and Technology (DST), and Board of Research in Nuclear Sciences (BRNS), Department of Atomic Energy, Govt. of India.

7. Photographs



Orientation 2015-16



Naming Ceremony 2015



National Seminar on "Recent Advances in Spectroscopy and Analytical Techniques"



Sankhyiki 2015