



SUNANDAN DIVATIA SCHOOL OF SCIENCE



DEPARTMENT OF STATISTICS
M. SC. APPLIED STATISTICS & ANALYTICS
PLACEMENT BROCHURE 2020-2022

CONTENTS

01	About NMIMS	01
02	About SDSOS	01
03	M. Sc. Applied Statistics & Analytics	02
04	Why Hire Us?	03
05	Course Curriculum	04
06	Guest Lectures	05
07	StatChat	06
08	Analytics Cell	07
09	Tableau Workshop	08
10	Student Council	09
11	Excalibur	09
12	Testimonials	10
13	Summer Internships 2021	11
14	Previous Recruiters	13
15	Student Profiles	14
16	Placement Cell	17
17	Contact Us	18

ABOUT NMIMS

NMIMS is a deemed and globally reputed university established by Shri Vile Parle Kelavani Mandal (SVKM) in 1981. It is accredited by NAAC with 3.59 CGPA and Grade A+ and was also awarded Category I University status by MHRD.

It offers multiple disciplines such as Management, Technology, Science, Pharmacy, Architecture, Commerce and Economics across multiple schools and campuses.

The consistent academic quality, research focus, holistic approach, faculty from top national and global institutes and strong industry linkages at NMIMS have placed it amongst the nation's prime centres of educational excellence and research today.

ABOUT SDSOS

NMIMS deemed to be University established Sunandan Divatia School of Science whose purpose is to develop technically skilled manpower for industry in 2007.

Keeping with the ever evolving technology sector, SDSOS provides flexibility in scientific thought as well as training manpower on an interdisciplinary plane by laying emphasis on academic excellence combined with industry oriented training.

M. SC. APPLIED STATISTICS AND ANALYTICS

Many new areas of Statistics are emerging and are showing their significant importance to the age of data analytics. The classical statistical tools are being modified to form new techniques and methods to deal with the challenges coming from industries like Telecom, Entertainment, Insurance, Banking, Pharmaceutical etc.

With the objective of providing high level training in fundamental principles of statistical inference, statistical machine learning and applied & computational statistics, NMIMS SDSOS introduced this post graduate program in 2018.

Even as the world battles with the Covid-19 pandemic, NMIMS SDSOS has not forsaken their primary responsibility to the students which is a continuity in their education. Hence, this course has been kept on track with the best efforts from the highly dedicated and qualified faculty and the enthusiastic batch of 2020-22.

This course introduces the students to rigorous high performance data mining tools which can enhance their knowledge to apply the statistical techniques to the real world problems.

WHY HIRE US ?



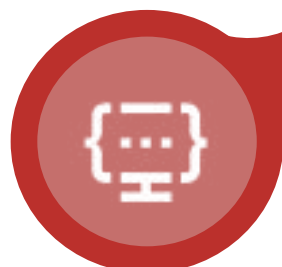
Extensive course of study that unifies theory with practical applications, best suited for a modern workplace

Rigorous training in modern statistical techniques



Experiential learning by means of summer internship, curriculum stated projects and projects based on industry internships

A holistic approach that values soft skills and Organisational Behavior, leading to substantial development in one's personality



Well versed with industry integrated programming languages

COURSE CURRICULUM

1	• Probability Models for Data Analytics	R & Base SAS	Organizational Behaviour I
	• Modern Statistical Inference		
	• Design of Experiments		
	• Stochastic Models for Analytics		

2	• Generalized Linear Models	PYTHON	Organizational Behaviour II
	• Financial Econometrics		
	• Applied Multivariate Data Analysis		
	• Survival Analysis		

3	• Introduction to Machine Learning Techniques	HADOOP	Project Management
	• High Performance Data Mining		
	• Marketing Analytics		
	• Financial Analytics		

**SUMMER
INTERNSHIP**

+

**INDUSTRY
INTERNSHIP**

GUEST LECTURES

SDSOS engages luminaries from various sectors of Data Science to broaden the understanding of students through various guest lectures, giving insightful perspectives from the various industries they're a part of.



Mahesh Amdekar

GM Market Research and Strategy at
Glenmark Pharmaceuticals



Vinayak Deshpande

CMD Sankhya Analytical Research Pvt Ltd,
Partner Sankhya Analytics London Director
Medicounts Life Sciences Pvt Ltd



Richa Agarwal

Senior Manager- Analytics Delivery
(Leadership) Tredence



Mr CG Venkatesh

Senior Manager: Global Head Data
Science & Cognitive Practice at Larsen &
Toubro Infotech.

STATCHAT

The Department of Statistics, SVKM's NMIMS in collaboration with the International Indian Statistical Association hosted StatChat 2020, an interactive session for the students from the Career and Academic Perspectives in Statistics and Data Science on 29th August, 2020.

The objectives were to help the students get an idea about the future scope in the field of Statistics and Data Science, necessary skills needed, preparations for job interviews and their career perspectives.

The panellists for the Session were :



Dr. Arvind Rao
Associate Professor,
University of Michigan



Dr. Sourav Santra
Senior Director, Biostatistics Sarepta
Therapeutics, Massachusetts



Dr. Shailaja Suryawanshi
Director, Merck Research Laboratories,
Merck & Co., Inc, New Jersey.



Dr. Shariq Mohammed
Postdoctoral Research Fellow,
University of Michigan

ANALYTICS CELL



The Analytics Cell, a student-run initiative of the School of Science, started off the year with workshops in Excel and R, tending to the practical needs of students and rendering them job-ready. Students were trained in industry use applications of Excel and R, and they then disseminated the knowledge among their fellow students in the form of weekly sessions.

The Literary & Content Club worked on the annual magazine, Inspiria. They also release newsletters every month, highlighting the use of data science in different fields, with particular themes every month.

The Hackathon and Marketing teams, along with the President and the Vice President of the Analytics Cell, worked tirelessly to conduct the first ever virtual hackathon, DigiHack, in January 2021. A very successful event, it highly helped students catalyze the development of their concepts.

TABLEAU WORKSHOP

The Department of Statistics organised a 3-Day workshop on Tableau starting from 5th Jan, 2021.

The teaching was undertaken by Mrs. Vandana Bharadi, Assistant Professor at NMIMS .

Tableau is a visual analytics platform transforming the way we use data to solve problems — empowering people and organizations to make the most of their data. It is the fastest-growing data visualization and data analytics tool that aims to help people see and understand data.

The workshop consisted of both, graded and practice assignments which contributed to the interactive data visualization. Healthy doubt solving sessions also had a positive impact on our understanding. Real-world industry-specific datasets were analyzed which further gauged our understanding of the usefulness of creating dashboards and meaningful stories from the given data.



STUDENT COUNCIL

Excitement, enthusiasm, events the SC brings it all. The SDSOS SC Committee represents the students by bridging the space between the institution and the student body. As we converse with them digitally or enter the halls of the school, they introduce us with a wide array of cultural, interactive and athletic activities.

EXCALIBUR

Our annual cultural fest - Excalibur'21 hosted by the SC is a multitude of events that leaves one awestruck with countless joyous moments to cherish. There's no better chance to show off your talents, wit and personality than at Excalibur. The following pictures were taken during the Excalibur's before the pandemic.



TESTIMONIALS



“SDSOS ,NMIMS has been a great contributor to the development of my personality. I have established my leadership,time management and team building skills and have also been able to advance these skills to the whole new level. It gave me opportunity to meet different kind of people and learned new things.”

Suraj Singh

NMIMS SDSOS 2018-2020, Assistant Professor KC College,Visiting Faculty SOS, NMIMS. Co-founder|Grade Upgrade

“The projects further push one to explore the vast topics so as to provide knowledge on even the concepts beyond the curriculum.The conducive learning environment allows exchange of information and ideas which is beneficial for all.We were taught basics of Statistics and coding and the course eventually builds on that foundation further, focusing on Machine Learning Techniques.”



Aashita Sharma

NMIMS SDSOS 2018-2020- Data Scientist | Mahindra



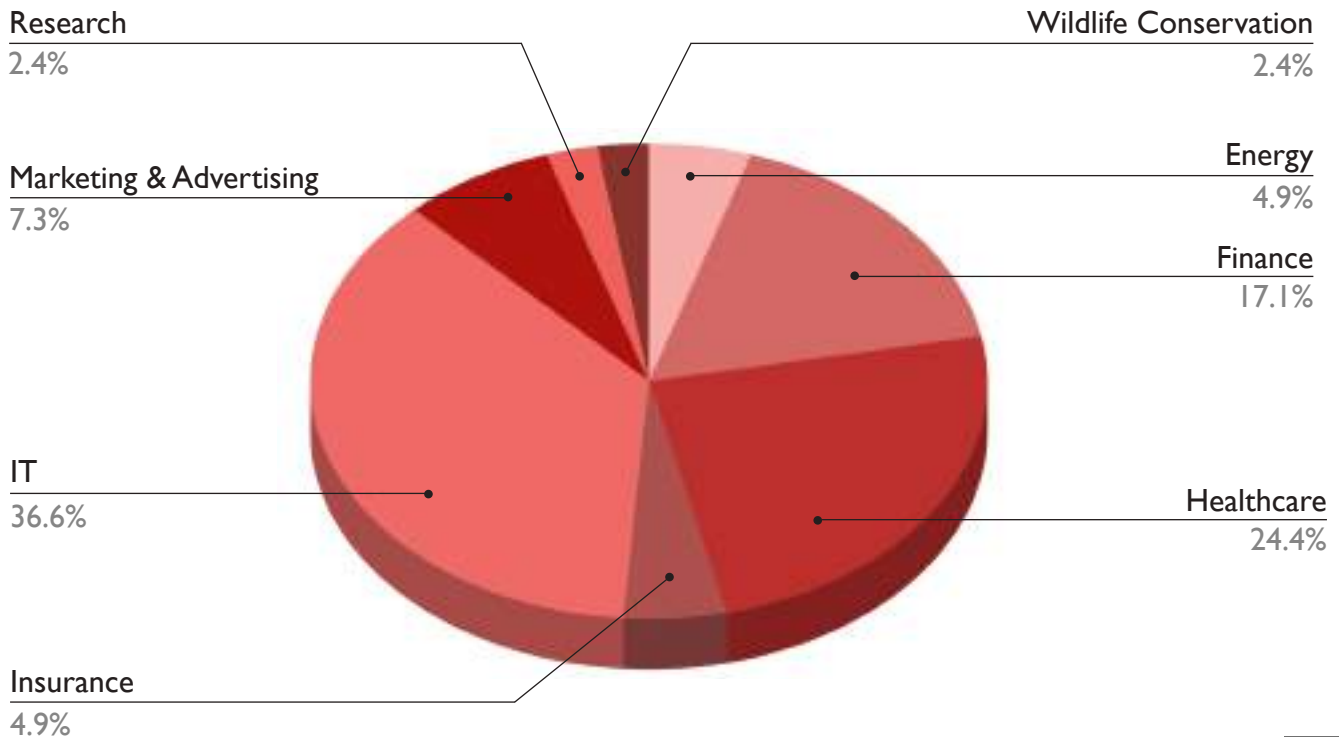
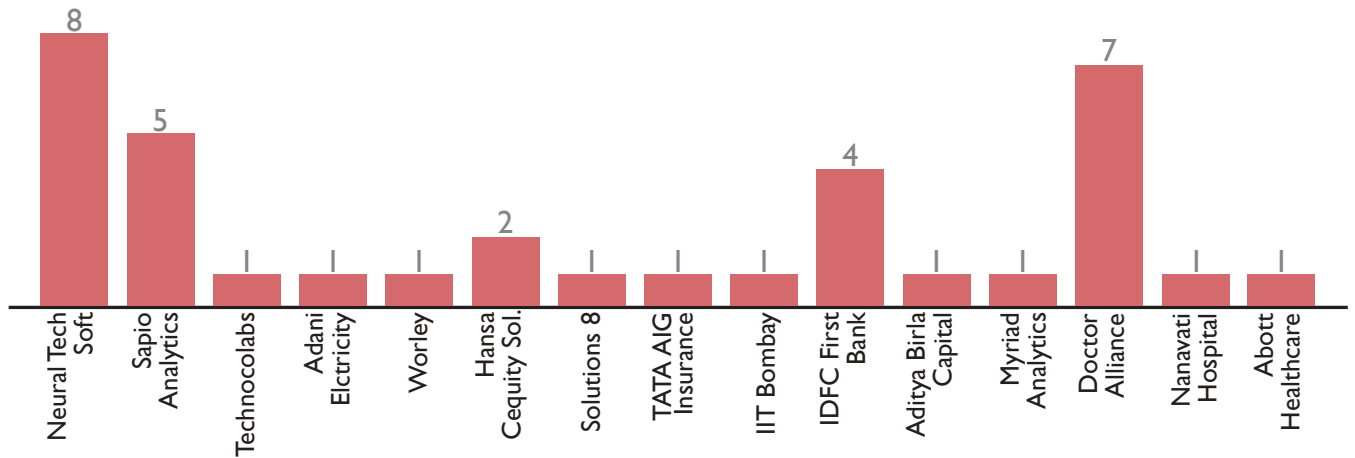
“During my undergraduate studies, I could not fully understand how and why statistics worked even though I was able to construct Probability distribution and hypothesis testing. It was only while completing my Masters in Applied Statistics and Analytics that I was truly introduced to the beauty of Statistics. I was able to make the connections that great statisticians like R. A. Fisher and Carl Gauss showed centuries ago.”

Prasad Dalvi

NMIMS SDSOS 2018-2020 Analytics Trainee, RBL Bank

SUMMER INTERNSHIPS 2021

Summer internship provides a vital platform for industrial exposure and helps in grooming the students for practical applicability of the subject. Out of 48 students, 42 secured their internships across various sectors like Healthcare, Finance, Marketing and Consulting. Key recruiters included IDFC First Bank, TATA AIG, Sapio Analytics, Neural Technologies Soft.



SUMMER INTERNSHIPS



PREVIOUS RECRUITERS



Pentation Analytics



BROADCAST
AUDIENCE
RESEARCH
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INDIA



STUDENT PROFILES



Shanelle Lemos

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