SVKM'S
NMIMS
Deemed to be UNIVERSITY

NAVI MUMBAI

PLACEMENT COMMITTEE
NMIMS NAVI MUMBAI

CORPORATE
BROCHURE

NMIMS
NAVI MUMBAI

SVKM'S
NMIMS
Deemed to be UNIVERSITY

2024-2025

SCHOOL OF MATHEMATICS
AND APPLIED STATISTICS AND ANALYTICS

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OUR LEGACY

With the legacy of 38 years, today SVKM's NMIMS figures are in the top-10 B-schools in India. The University has campuses in Mumbai, Navi Mumbai, Indore, Shirpur, Dhule, Bengaluru, Hyderabad, and Indore. The campuses boast 17 multi-disciplinary schools that include Management, Engineering, Pharmacy, Architecture, Commerce, Economics, Law, Science, Liberal Arts, Design, Performing Arts, Branding & Advertising, Mathematical Science, Hospitality Management, Agriculture, and Distance Learning. In addition, we have nine centres of Excellence as well at the University. Its international affiliations include the University of Bristol, State University of New York, University of Leeds Columbia University - School of Professional Studies, Virginia Tech, and University at Albany. The Navi Mumbai Campus is known for its focus on the holistic development of students with constant guidance and support from Industry.

SCHOOLS

OF NMIMS NAVI MUMBAI

SOMASA
B.SC. DATA SCIENCE
B.SC. (HON'S) AI

SBM
MBA

STME
MBA TECH
B. TECH CSBS
B.TECH CE
B. TECH AL &DS

SOL
BBA BCOM
B.SC FINANCE

SOC
BBA BCOM
B.SC FINANCE

SOHM
BBA
HOP & OPS

SOE
B. SC. ECONOMICS

SOS
B. SC. APPLIED
PSYCHOLOGY

SHRI AMRISH PATEL

CHANCELLOR'S MESSAGE

The spectacular journey of SVKM's Narsee Monjee Institute of Management Studies (NMIMS) from a management institute to a Deemed-to-be-University has been a result of the combined effort and sustained hard work of several individuals. It has been a matter of privilege and pride to serve and contribute to the educational fraternity.

SVKM's NMIMS Navi Mumbai campus emerges as a vibrant seat of academic and professional excellence and is rising as an institute known for its innovative approach, participative culture, and academic rigor with the guiding principle to produce the most talented Business Managers.

NMIMS has not only strived to impart quality education to its students but also instill in them the values of life which help them become better individuals. In over three decades of its resplendent history, NMIMS has been a champion nonpareil, and the ranks of Indian and global business conglomerates boast of being alumni of this prestigious colossus.

The Alma mater for several eminent and successful professionals, entrepreneurs, and industrialists around the globe. In such a dynamic environment where the competition is fierce, NMIMS, Navi Mumbai campus has been an institute that is founded on the principle of holistic development of students to excel in their corporate and personal life.

We hereby welcome recruiters to visit the campus and select our students, providing them with an opportunity to develop and further build upon their powerhouse of competent business managers.

DR. SHUBHASHEESH BHATTACHARYA
DIRECTOR'S MESSAGE

At SVKM's NMIMS - School Of Mathematics and Applied Statistics and Analytics, Navi Mumbai, we take pride in our commitment to nurturing the business leaders and entrepreneurs of tomorrow. Our program's effort is to prepare competent, sensitive, and ethical managers and leaders who can contribute towards the industry, nation-building and for the society at large.

In today's fast-paced world, where change is the only constant, we understand the need to equip our students with the skills, knowledge, and mindset to excel in every field. We take pride in our faculty, who are more than just educators, they also act as mentors of our students, guiding and inspiring our them to achieve their highest potential.

At NMIMS Navi Mumbai, we have always believed in pushing the boundaries of excellence in education and beyond. We are more than just an institution, we are a hub of transformative experience, where students embark on a journey of discovery, growth, and empowerment. Our commitment to nurturing future leaders is unwavering, and we strive to create an environment that fosters holistic development, critical thinking, and innovation. In our pursuit of excellence, we are committed to preparing our students for success in this fast-paced world which is full of uncertainties and challenges that have never been seen before. Our approach extends beyond conventional education as we emphasize adaptability and resilience encouraging our students to embrace change and learn from experience. Continuous learning and opportunities, networking, and a culture of agility and innovation are woven into our curriculum. We foster emotional intelligence, critical thinking, and problem-solving skills. The Teaching pedagogy has a balanced mix of lectures, case studies, student presentations, student-research and other modern methods of education and training. Summer internship programs with organisations, help students to apply and experiment with what they have learnt in classrooms.

Our graduates have grown from solidarity to quality and have evolved into professionals who now await an opportunity to prove their merit. I am confident that our students will make your organization proud and will be an asset to your organization. Our alumni have set new benchmarks, excelled at all tasks entrusted to them, and phenomenally escalated the prospects of the organizations where they work.

DR. JYOTI VERMA
PROGRAM CHAIRPERSON'S MESSAGE

The advent of big data, machine learning, and artificial intelligence is revolutionizing industries worldwide. From healthcare and finance to manufacturing and entertainment, businesses increasingly rely on data-driven insights and intelligent systems to innovate, make informed decisions, and gain a competitive edge. The need for professionals who can harness the power of data and AI to solve complex, real-world problems has never been greater.

B.Sc. Data Science and Artificial Intelligence (Hon's) programs are designed to equip our students with the knowledge, skills, and hands-on experience needed to excel in some of the most dynamic and rapidly evolving fields today.

The B.Sc. Data Science and B.Sc. (Hon's) AI curriculum is a perfect blend of theoretical foundations with practical applications, ensuring that our students are knowledgeable and industry-ready. Our faculty, are dedicated to providing a rich learning environment that fosters creativity, critical thinking, and ethical responsibility. In addition to classroom learning, our students benefit from internships, projects, industry collaborations, and access to the latest technological tools and platforms.

The B.Sc. Data Science program focuses on building expertise in statistical methods, data analysis, machine learning, and data visualization. Students will learn how to handle complex datasets, derive meaningful insights, and communicate those insights effectively to decision-makers.

The B.Sc. (Hon's) Artificial Intelligence program emphasizes cutting-edge AI techniques, including deep learning, natural language processing, and computer vision. Students gain the ability to design, develop, and deploy intelligent systems that can mimic human cognition and decision-making.

AWARDS AND RECOGNITION

- 'Asia's Education Excellence Awards' organized by CMO Asia has awarded 'Asia's Best Emerging Business School' to NMIMS Navi Mumbai.
- Dr. P. N. Mukherjee, Director was awarded for being the 'Best Director' by 'Asia's Education Excellence Award.'
- 'Dewang Mehta National Education Awards, presented 'Visionary Leader Award' to Dr. P. N. Mukherjee.
- 'Vocational Service Excellence Award' function was organized by Rotary Club of Navi Mumbai Sunrise on 19th January 2019 and Dr. P.N. Mukherjee was one of the awardees for being the management expert in the field of TQM and supply chain management.
- Dr. P. N. Mukherjee was the 'Guest of Honour' and felicitated by Ms. Sandhya Sharbide on behalf of Women's Day organized by Inner Wheel Club of Navi Mumbai Sunrise.
- NMIMS Navi Mumbai has been awarded first place for most active contribution in 'Bottles for Change', an initiative by Bisleri International Pvt. Ltd.

HOLISTIC DEVELOPMENT

VISHLESHAN

Vishleshan is a techno-cultural fest organized by the SOMASA, Student Council. The ethos of Vishleshan lies in the 7 deal-breaking events spread over two days, catering to the interests of all schools of NMIMS. It is open to all schools and branches of NMIMS, as well as other colleges in and around Mumbai.

PRABALYA- SPORTS FEST

Prabalya, is the brainchild and the flagship event of the Sports Committee of NMIMS Navi Mumbai. Teaching Team skills psychomotor skills and fine-tune motor skills with coordination, movement, strength, dexterity, grace, and speed, and also find healthy outlets for energy. It seeks to provide an enhanced and dedicated platform for Sport-lovers & fitness enthusiasts to showcase and foster their talents.

IGNITE- TECH FEST

IGNITE is the annual technical festival of NMIMS, Navi Mumbai. Started in the year 2019 held every year March with the aim to give a platform for the technologies, transforming young minds into skilled and confident engineers of future and also to have a time of their lives amidst the perfect blend of amusement and illuminations for a better tomorrow.

RUBIX

NMIMS Navi Mumbai hosted the maiden edition of "RUBIX: The Corporate Paradigm". The two-day event was graced by varied dignitaries from the field of Marketing, Retail, IT, Consulting, Media and Entertainment. The theme for the event was "A Journey of 1095 Days", i.e., three years of a management trainee. The esteemed guests shared their views on the theme and gave valuable insights.

STUDENT ACHIEVEMENTS

NAME	ACHIEVEMENTS
1. Deepshikha 2. Manushree 3. Preet Jain 4. Sakshi Prabhu	Secured a Summer Internship at 1. Google 2. Bandhan Bank 3. Samco Securities Ltd. 4. Adagrad AI,
1. Manushree 2. Shreya & Sauleha 3. Mausam	1. Finalist-National Level Hackathon: (ViMEET), Maharashtra, Mar 2024. 2. Published and Presented their Research Paper in IJFMR. 3. 1st Place - International Conference (B.A.S.I.C) by VES
1. Aditya Rai	1. NCC National Camp Gold Champion

SOMASA

SCHOOL OF MATHEMATICS, APPLIED STATISTICS AND ANALYTICS

The School of Mathematics, Applied Statistics and Analytics was established in anticipation of a growing demand for statisticians in the company. The School of Mathematics, Applied Statistics and Analytics plays an important role in providing students with the opportunity to become acquainted with the field of Data Analysis and Statistics through its research-oriented curriculum – B.Sc. in Data Science and Analytics and B.Sc. (Hon's) AI.

The School of Mathematics, Applied Statistics and Analytics's principal purpose is to generate highly qualified individuals capable of bridging the gap between risks, technology, and demand.

Best Practices

- Project Based Learning
- Field visits
- Community Service
- Case study based learning
- Mentor Mentee for one on one counselling
- Pair and share (Buddy system) pedagogy

Clubs and International Chapters

- Analytical Club
- Entrepreneurship Cell
- Public Relations Committee

COURSES

OFFERED BY SoMASA

B.Sc. Data Science (3 Yrs)

Data Science is a recent but a rapidly growing field providing students with exciting career paths, and vertical mobility in education pathways. The B.Sc. program in Data Science gives students a basic foundation in three special, but interrelated, branches of Mathematical Sciences namely, Computer Science, Statistics, and Mathematics. The knowledge of Data Science has not only become inevitable but also relevant for analysing and manipulating voluminous and/or complex data; which in the information era of 21stcentury is a reality of the day.

B.Sc. (Hon's) Artificial Intelligence (4 Yrs)

In today's data-driven world, proficiency in AI is essential for addressing the challenges posed by vast and intricate datasets. This program equips students with the skills to design and implement AI solutions, preparing them for a variety of roles in industries ranging from healthcare to finance. As AI continues to transform the landscape of technology and society, the knowledge and expertise gained in this program will be invaluable for driving innovation and addressing ethical considerations in AI deployment.

CURRICULUM

B. SC . DATA SCIENCE (3 YRS)

SEM - I

- Descriptive Statistics - I
- Introduction to Probability Theory
- Univariate Calculus
- Elementary Number Theory
- Discrete Mathematics
- Foundations of Computer Science
- Introduction to R
- Environmental Studies

SEM - II

- Descriptive Statistics - II
- Probability Models for Discrete Data
- Probability Models for Continuous Data
- Linear Algebra
- Numerical Methods
- Introduction to Programming
- Effective Communication

SEM -III

- Statistical Inference for Data Science - I
- Sampling Distributions & Applications
- Statistics Lab - I
- Multivariate Calculus
- Mathematics Lab - I
- Data Management
- Technology Lab - I
- Data Analysis using Python
- Research Writing
- Research Initiative in Data Science - I

SEM - IV

- Statistical Inference for Data Science - II
- Regression Analysis
- Designs of Experiments
- Statistics Lab - II
- Theory of Optimization & Graph Theory
- Mathematics Lab - II
- Machine Learning - I
- Technology Lab - II
- Data Wrangling with Python
- Research Ethics
- Research Initiative in Data Science - II

SEM - V

- Multivariate Analysis
- Operations Research
- Statistics Lab - III
- Differential Equations
- Mathematics Lab - III
- Machine Learning - II
- Technology Lab - III
- Big Data Analytics
- Professional Skills
- Research Initiative in Data Science - III

SEM - VI

- Markov Chains
- Time Series & Forecasting
- Statistical Process Control
- Statistics Lab - IV
- Deep Learning Techniques
- Technology Lab - IV
- Data Visualization and Modelling
- Entrepreneurship Skills
- Capstone Project

CURRICULUM

B.SC. (Hon's) ARTIFICIAL INTELLIGENCE (4 Yrs)

SEM - I

- Foundations of Computer Science
- Principles of Imperative Computation
- CORE LAB 1
- Python Programming-I
- C Programming
- Disciplinary Specific Courses LAB 1
- Calculus for Artificial Intelligence
- Discrete Mathematics
- Statistical Methods
- Multi-Disciplinary Courses LAB 1
- Environmental Studies

SEM - II

- Data Structures and Algorithms
- Introduction to Artificial Intelligence
- CORE LAB 2
- Python Programming-II
- System Analysis and Design
- Disciplinary Specific Courses
- LAB 2
- Multivariate Calculus
- Linear Algebra
- Probability Models
- Multi-Disciplinary Courses
- LAB 2
- Effective Communication

SEM -III

- Operating Systems
- Introduction to AI: Representation and Problem Solving
- CORE LAB 3
- Data base systems
- Java Programming
- Disciplinary Specific Courses LAB 3
- Sampling Distributions &
- Applications
- Statistical Graphics and
- Visualization
- Multi-Disciplinary Courses LAB 3
- Research Writing
- Research Initiative in AI -1

SEM - IV

- Architectures of Intelligence
- Natural Language Processing
- CORE LAB 4
- Machine Learning - I
- Computer Networks
- Disciplinary Specific Courses LAB 4
- Statistical Inference
- Multivariate Analysis
- Multi-Disciplinary Courses LAB 4
- Research Ethics
- Research Initiative in AI - 2

SEM - V

- AI and Human Brain
- Deep Learning Techniques
- CORE LAB 5
- Machine Learning - 2
- Computer Vision
- Disciplinary Specific Courses LAB 5
- Regression Analysis
- Time Series Analysis
- Multi-Disciplinary Courses LAB 5

SEM -VI

- Design of AI Products and Services
- Digital Service Innovation
- CORE LAB 6
- Introduction to Data Protection and IT Security
- IT Law and IPR Protocols
- Disciplinary Specific Courses LAB 6
- Theory of Optimization & Graph Theory
- Stochastic Processes
- Multi-Disciplinary Courses LAB 6
- ABC of Start-up Entrepreneurship
- Capstone Project in AI - 1

SEM - VII

- Audio Signaling Process
- Image Processing
- CORE LAB 7
- Capstone Project in AI - 2
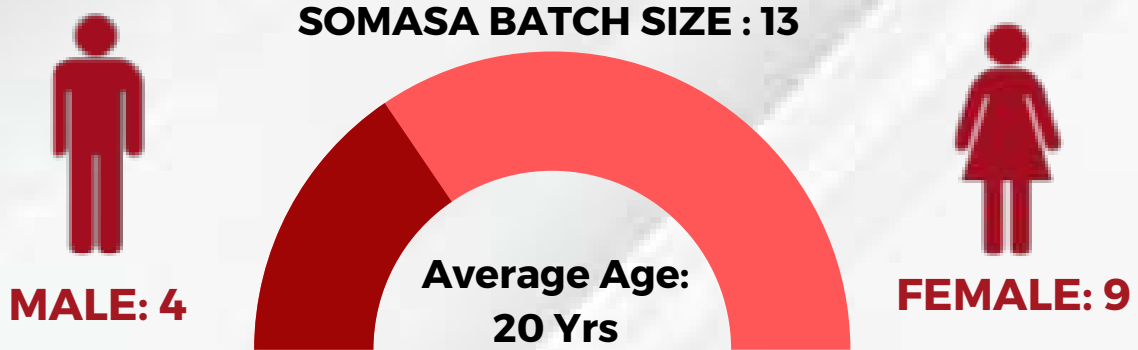- Modular Elective Courses LAB 1

Electives
- Decision Making and Robotics
- Machine Learning
- Perception and Language
- Human-AI Interaction

SEM - VIII

- Industry Internship

BATCH DETAILS

SOMASA BATCH SIZE : 13

MALE: 4

Average Age:
20 Yrs

FEMALE: 9

DISCIPLINE

B.Sc. (Hon's) Artificial Intelligence: 4

B.Sc. Data Science: 9

INTERNSHIP

Students with Internship Experience - 53%

Others 47%

FINAL PLACEMENT' 24

7.36 LPA
HIGHEST

3 LPA
MEDIAN

4.27 LPA
AVERAGE
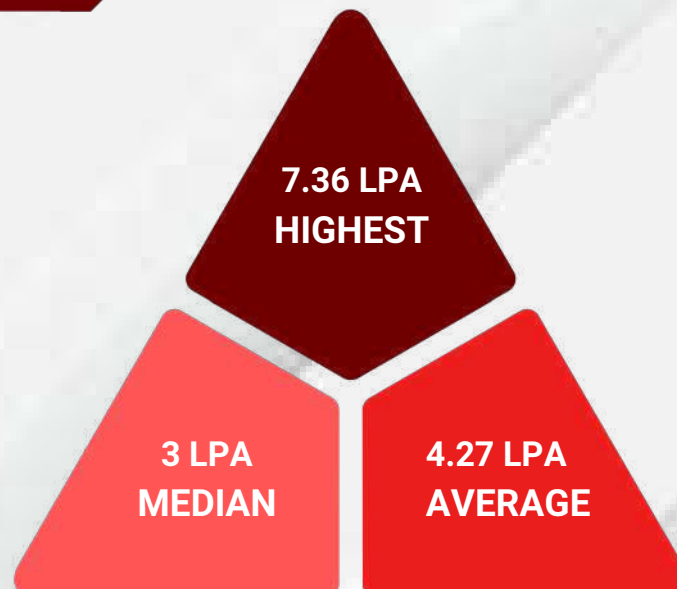
(B.Sc. Data Science Batch 2021-24)

COMPANIES PARTICIPATED

FOR FINAL PLACEMENT 2024

SUTHERLAND

Codeyoung

NielsenIQ

AXIS BANK

Deloitte.

tcs TATA CONSULTANCY SERVICES

amazon

D E Shaw & Co

LS DIGITAL

CHALLENGE THE NOW

UBS FORUMS

Morgan Stanley

Cross Asyst

YOUR CONTENT — PERFECTED. MARKETABLE ON-DEMAND.

ACCORD
Inspired to be innovative
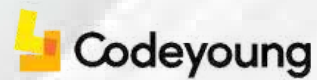
.....and many more

PLACEMENT PROCESS

NAVI MUMBAI

PLACEMENT COMMITTEE
NMIMS NAVI MUMBAI

Pre-Placement Talk

Job Announcement Form

Placement Process

Result Announcement

Job Offer Confirmation/ LOI

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