SVKM'S NMIMS Deemed-to-be UNIVERSITY

MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING ™

FINAL PLACEMENT REPORT
2021-22

B.TECH DATA SCIENCE
M.TECH DATA SCIENCE
M.TECH ARTIFICIAL INTELLIGENCE

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Overview

B.Tech Data Science, M.Tech Data Science & M.Tech Artificial Intelligence
In collaboration with Virginia Tech University

B.Tech Data Science

- Ranked as the 2nd best program by Analytics India Magazine & 4th best program by Education World
- Participation of 45 premier companies from IT & ITES, Consulting, FMCG, BFSI, Analytics, Logistics & Operations, E-commerce in placements
- 30% of the batch received PPO's
- Highest CTC offered is Rs. 18.24 LPA by ZS Associates. & Average CTC Rs. 9.09 LPA
- Internship in data science domain from Dec to April in 23 companies

M.Tech Data Science & M.Tech Artificial Intelligence

- Ranked as # 3rd best full time post graduate data science programs by Analytics India Magazine / Analytics Insight
- Designed to meet the latest industry requirements, providing students with industry exposure and opportunity to work on live data
- Participation of 34 top companies in placements
- Highest CTC: Rs. 16.5 LPA by KPMG & Average CTC Rs. 11.72 LPA for M.Tech Data Science & Rs. 12.6 LPA for M.Tech AI
- Internship in Data Science & AI Domain from Dec to April in leading companies
- 70% of the batch received PPOs after successful completion of internship.

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M. Tech Data Science (Business Analytics) & M.Tech Artificial Intelligence are multi-disciplinary programs intended to equip students with analytical tools and methodologies to solve business and social problems.
These programs focus mostly on fundamentals of statistics, mathematics, programming and analytics. The programs enables the students to define problems, use analytical tools and techniques to identify patterns, gain insights, develop business strategies and make better decisions.
During the two-year duration of the programs, the students are given inputs in Technology disciplines and in-depth understanding of data science. Students acquire analytical mind-set and understand methodologies that will facilitate innovative application of analytics across different functional areas of management.

These are few of the most difficult contemporary programs and requires students' commitments and hard work. The study has to be difficult as jobs are a plenty and career path is challenging and liked by many so as a strong foundation is built during the course work.
Understanding business context, finding in-sight and converting them to opportunity, technology application, and last but not the least, deploying business solution at scale are the keys to succeed in these two programs.

Prof. Sarada Samantaray,
Associate Dean,
NMIMS Deemed to be University

MPSTME, NMIMS as a premier professional institution in the country is at the forefront of offering courses of international standards and giving students the opportunity to be industry-ready. The Department of Data Science, the first to offer a B.Tech program in Data Science in India, was established in 2017 to impart learning in the domain of emerging data-driven technologies that have a bearing on companies' operations and bottom lines. Our students understand what it takes to add value to the organization to they work for.

The B.Tech Data Science is a four-year rigorous program with each semester dedicated towards perfecting each module of data science. The curriculum is designed to seek and incorporate constant feedback from industry stakeholders. Furthermore, students get experiential learning in the form of six months' industrial internship. The course enables students to become fluent in multiple programming languages. Our students have won several data science competitions/hackathons, which speaks of their practical exposure to a wide spectrum of data science tools and technologies. The live projects they undertake during the course also provide them an opportunity to bolster the learnings. In terms of international exposure, seven courses for B.Tech and three courses of M.Tech are taught by Virginia Tech US faculties.

Dr. Siba Prasada Panda
HOD, B.Tech Data Science Programme
NMIMS Deemed to be University

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Curriculum

B.Tech Data Science

Sem 1

- Engineering Mathematics I
- Constitution of India
- Engineering Drawing
- Basic Electrical Engineering
- Engineering Physics

Sem 2

- Applied Mathematics I
- Programming for Problem Solving
- English
- Chemistry
- Mechanical Workshop

Sem 3

- Applied Mathematics I I
- Database Management System
- Business Visualization
- Data Structure and Algorithms
- Data gathering and Cleaning – ETL

Sem 4

- IoT
- Advanced Database Management System
- Operating System
- Cyber Security
- Operation Research
- Statistical Method I
- Computer Organization & Architecture

Sem 5

- Applied Mathematics IV
- Artificial Intelligence
- Machine Learning
- Data Science Ethics
- Research Methodology
- Business Economics
- Image and Signal Processing
- Statistical Method II

Sem 6

- Big Data
- Deep Learning
- Computer Vision
- Natural Language Processing
- Predictive Modelling
- Financial Institution and Market
- Marketing Management

Sem 7

- Capstone Project

ANY THREE:

- Advanced Neural Networks
- Cloud Computing
- Design Thinking
- Financial Engineering and Risk Management

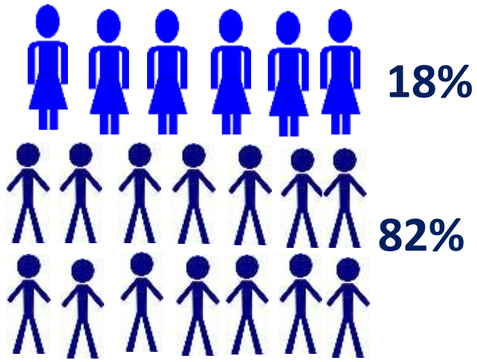
Sem 8

- 05 Month Industrial Internship

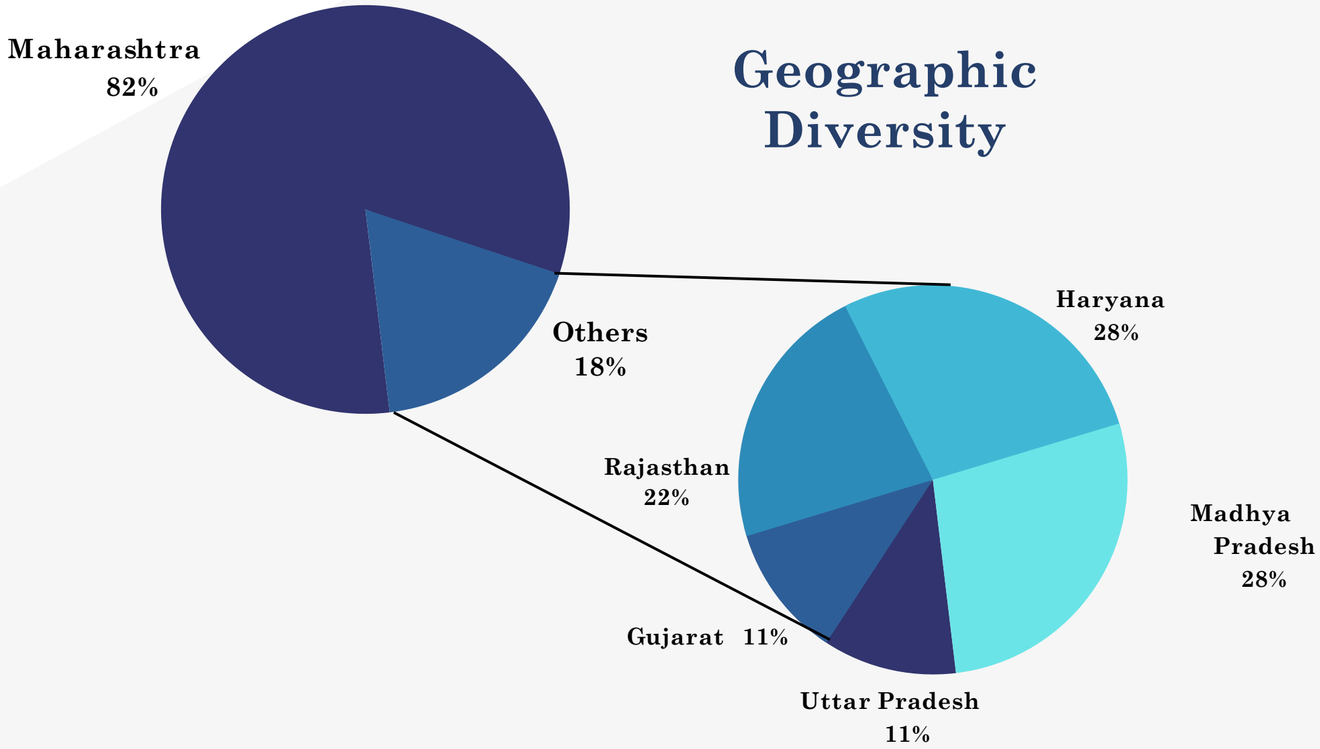
For more details on curriculum: https://engineering.nmims.edu/academics/programmes/b-tech/data-science/

Batch Profile

B.Tech Data Science



Gender Ratio



Geographic Diversity

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Internship & Final Placements Highlights
B.Tech Data Science

Highest Stipend

₹ 58,330

Highest CTC

₹ 18.24 LPA

Average Stipend

₹ 19,000

Average CTC

₹ 9.09 LPA

No. of Companies

40

No. of Companies

45

Roles

Data Scientist
Data Analyst
Business Analyst
Data Engineer
Hedge Fund Trainee
Full-Stack Developer
Computer Vision Engineer
Machine Learning Scientist
Deep Learning Scientist
Risk Advisory
Block Chain Developer
Business Growth Engineer

Sectors

Services Sector
Retail Sector
Consultancy
Logistics & Shipping
BFSI
Manufacturing

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Placement Partners

B.Tech Data Science

Ag Eye Tech	Deloitte	Knoldus	Quardratyx
Analystt.ai	Dimonsionless	Liquiloans	Sharekhan
Anarock	Eclerx	Lumina Datamatics	Technokart
Ardour Analytics Pvt Ltd	Embibe	MARS International	The Math Company
Awarathon	Federal Express	Mondelez	TresVista
Ayas Insights	Fidelis	Mphasis	Tutorbin
BB Analytics	Findability	MSD Merck	Ugam Solutions
Celebal Technologies	Google (DKSH)	Neenopal	Vitwit
Continuous Validation	i2e Consulting	Paypal	WNS
Cymtrix Solutions	i3Systems	Persistent Systems	Wow Labs
Dun & Bradstreet	Karza Technologies	Quantiphi	ZS Associates

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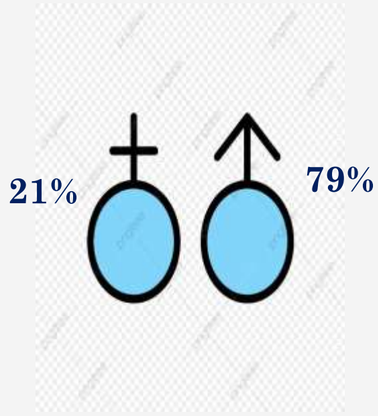
Batch Profile

M.Tech Data Science & M.Tech Artificial Intelligence



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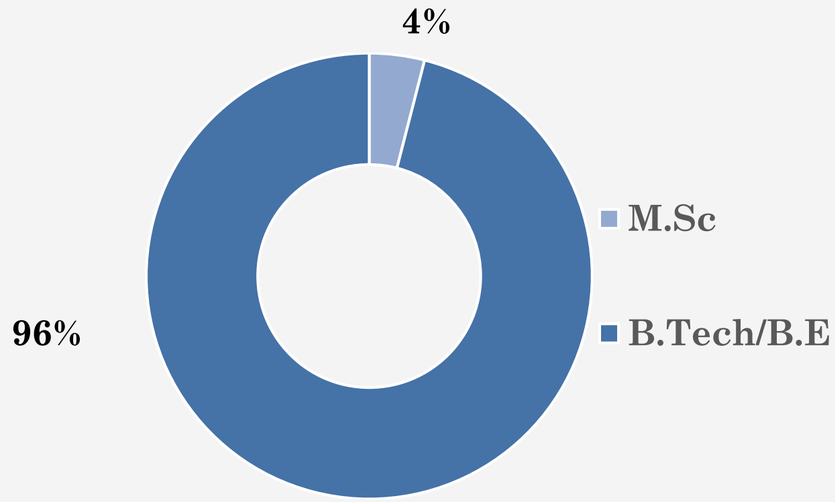


Academic Background

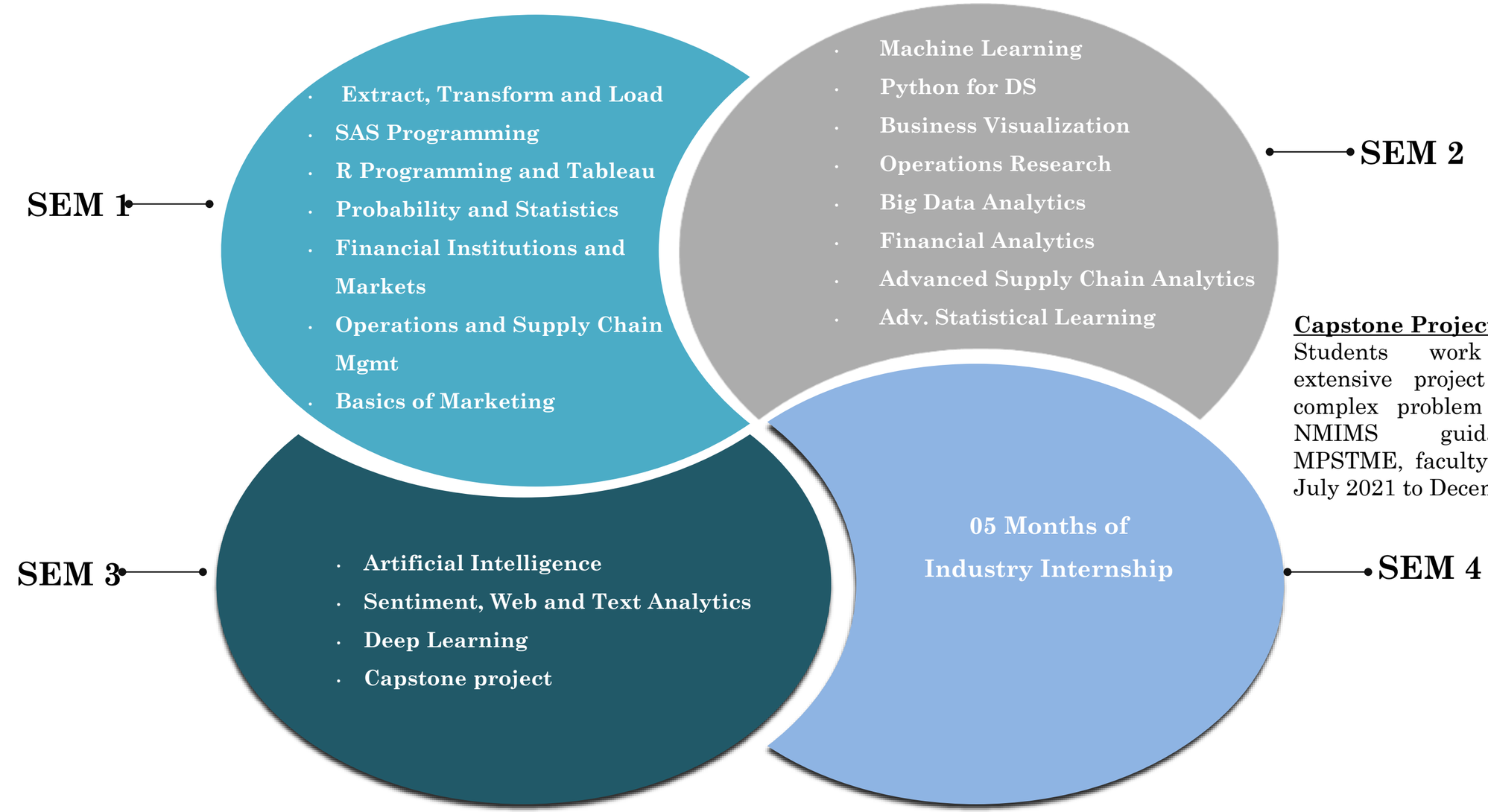
Years of Experience

Average Age

Average Experience

Curriculum

M.Tech Data Science

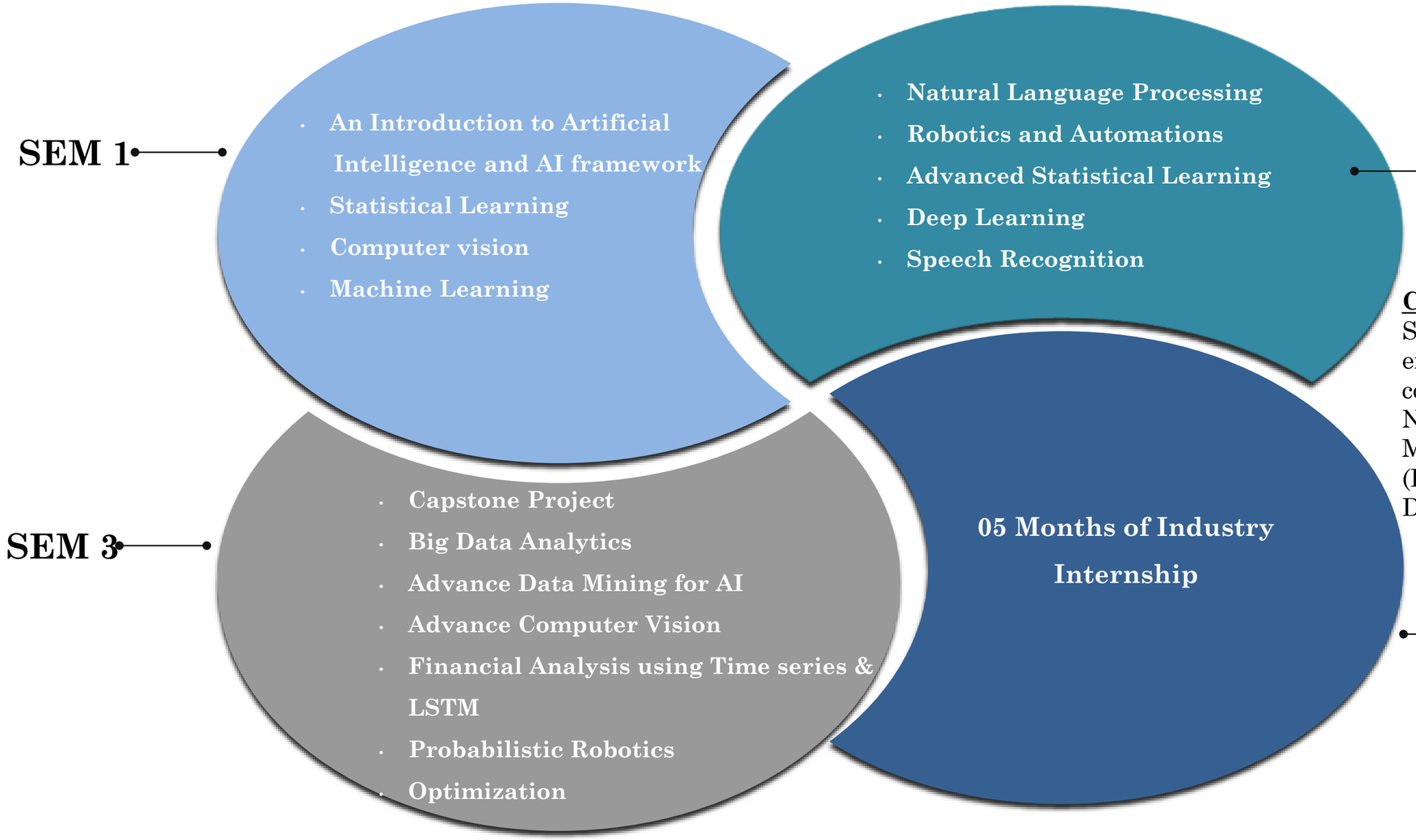


Capstone Project:
Students work on an extensive project solving a complex problem under the NMIMS guidance of MPSTME, faculty. (Duration: July 2021 to December 2021)

For more details on curriculum: https://engineering.nmims.edu/academics/programmes/m-tech/data-sciences/

Curriculum

M.Tech Artificial Intelligence



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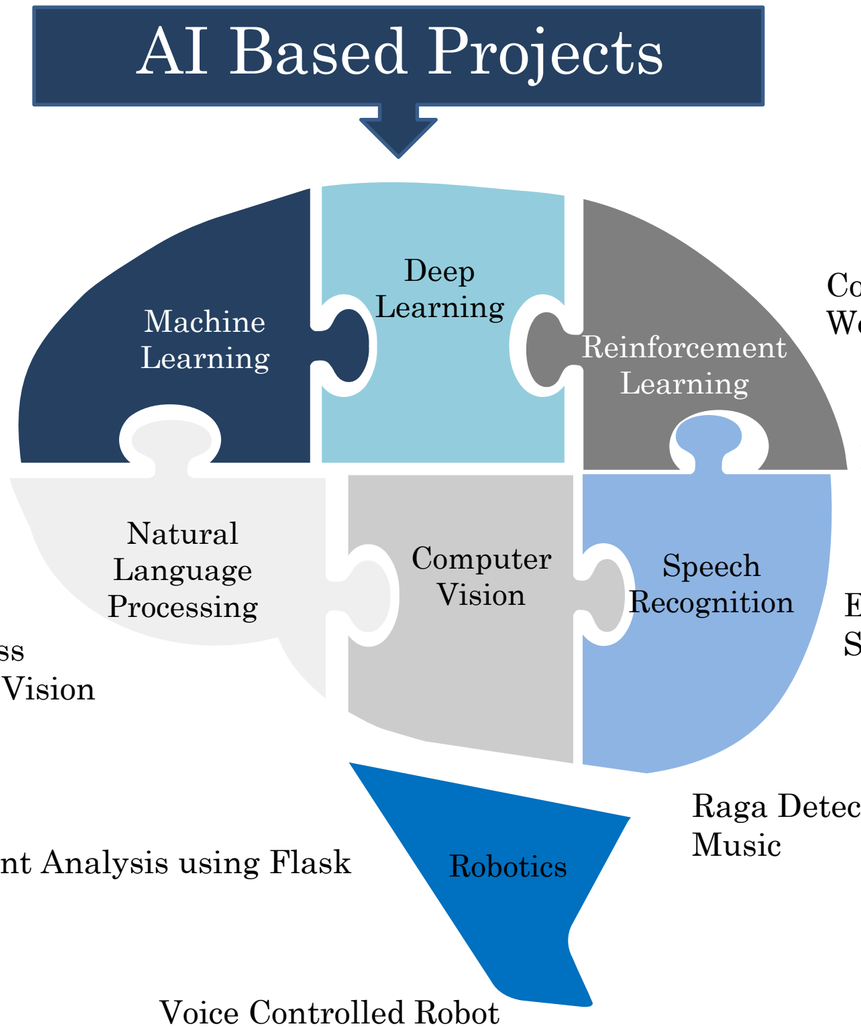
For more details on curriculum: https://engineering.nmims.edu/academics/programmes/m-tech/artificial-intelligence/

Projects done by students of M.Tech Artificial Intelligence



Booking System for Classrooms and Corporate Meeting Rooms based on Human Detection System

Computer Vision for Automating Worksheet Evaluation

Reinforcement Learning based Path Finding Robot

Analysis of Human demographics for business enhancement using Big Data and Computer Vision

Emotion Based Recommendation System

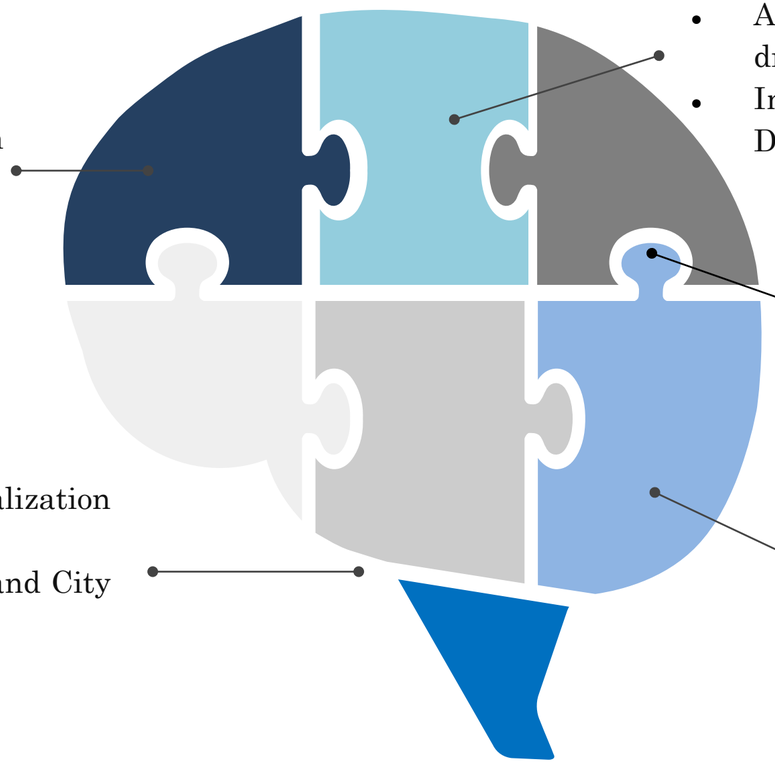
Raga Detection in Indian Classical Music

Twitter Sentiment Analysis using Flask

Voice Controlled Robot

Projects done by students of M.Tech Data Science

Data Science based Projects



Financial Analytics

- Bitcoin Price Prediction.
- Stock analysis based on Regression.
- Top Up loan prediction.

Supply Chain Analysis

- Application for demand driven forecasting.
- Improving Covid-19 Vaccine Distribution in India.

Marketing Analytics

- Market Basket Analysis.
- Predicting price for new market.
- Future customer order prediction for retail industry.

Visualization

- Book Recommendation Visualization using R and Tableau.
- Analyzing and Visualizing Air and City Quality using R and Tableau

Statistical Analysis

- Influence of Social Media on Humans.
- Phishing URL Detection.
- Life Expectancy Analysis based on Regression Techniques

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Internship & Final Placement Highlights
M.Tech Data Science

Highest Stipend

₹ 83,000

Average Stipend

₹ 38,430

No. of Companies

30

Highest CTC

₹ 16.5 LPA

Average CTC

₹ 11.72 LPA

No. of Companies

33

Roles

Consultant
Data Scientist
Data Analyst
Business Analyst
Big Data & Java Analytics
Data Engineer
Data Visualization Specialist
Computer Vision Engineer
Machine Learning Scientist
Deep Learning Scientist
Risk Advisory
Product Consultant

Sectors

Services Sector
Retail Sector
Consultancy
Logistics & Shipping
BFSI
Manufacturing

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Internship & Final Placement Highlights
M.Tech Artificial Intelligence

Highest Stipend

₹ 1,04,000

Highest CTC

₹ 16.5 LPA

Average Stipend

₹ 41,850

Average CTC

₹ 12.6 LPA

No. of Companies

30

No. of Companies

33

Roles Offered

Data Scientist
Data Analyst
Business Analyst
Data Engineers
Computer-Vision Engineer
Machine Learning Scientist
Deep Learning Scientist
Asso. Program Manager-AI Labs
Data Visualization Specialist
Supply Chain Decisioning

Sectors Covered

Services Sector
Retail Sector
Consultancy
Logistics & Shipping
BFSI
Manufacturing

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Placement Partners

M.Tech Data Science & Artificial Intelligence

Aays Insights	Generals Mills	NeenOpal
Ardour Analytics Private Limited	i3Systems	PayPal
Celebal Technologies	IIFL	Quantiphi
CRISIL	Indus OS	Sales Force
Deloitte	Karza Technologies	SAS
DHL	KPMG	Schlumberger
Dimensionless	Liquiloans	Sharekhan
Eclerx	MIQ	Ugam Solutins
Edelweiss Tokio Life Insurance	Mondelez	Viacom 18
Embibe	MSD Merck	Wow Labs
Federal Express	Myriad Analytics	ZS Associates

Placement Partners – B.Tech Data Science, M.Tech Data Science & M.Tech Artificial Intelligence

Competitions

ACM HACKATHON

General Mills India Campus Challenge

MATE LABS

Dremio Business Insights Competition

PARTICIPANT
DATA ANALYTICS & MINING CHAMPIONSHIP
CHALLENGE
SAS

THE GREAT INDIAN HIRING HACKATHON

HACK OFF v3.0

MATE ROV COMPETITION

DATATHON MIT COVID19 CHALLENGE

SIH
SMART INDIA HACKATHON 2019

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Placement Team

Prachi Shukla
(Deputy Director Placements)
prachi.shukla@nmims.edu

Suchita Khanna
(Placement Coordinator)
suchita.khanna@nmims.edu

Student Placement Committee – B.Tech

Nihal Makarand Todankar

Parisha Bhatia

Jash Bhatia

Anoop Mishra

Student Placement Committee - M.Tech

Juhi Patel

Piyush Nahata

Vihang Naik

Abhishek Ghule

For more details, reach us at:

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