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. 11.45 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

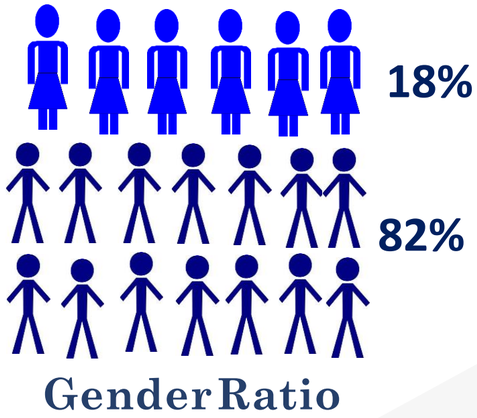
## Sem 8

- 05 Month Industrial Internship

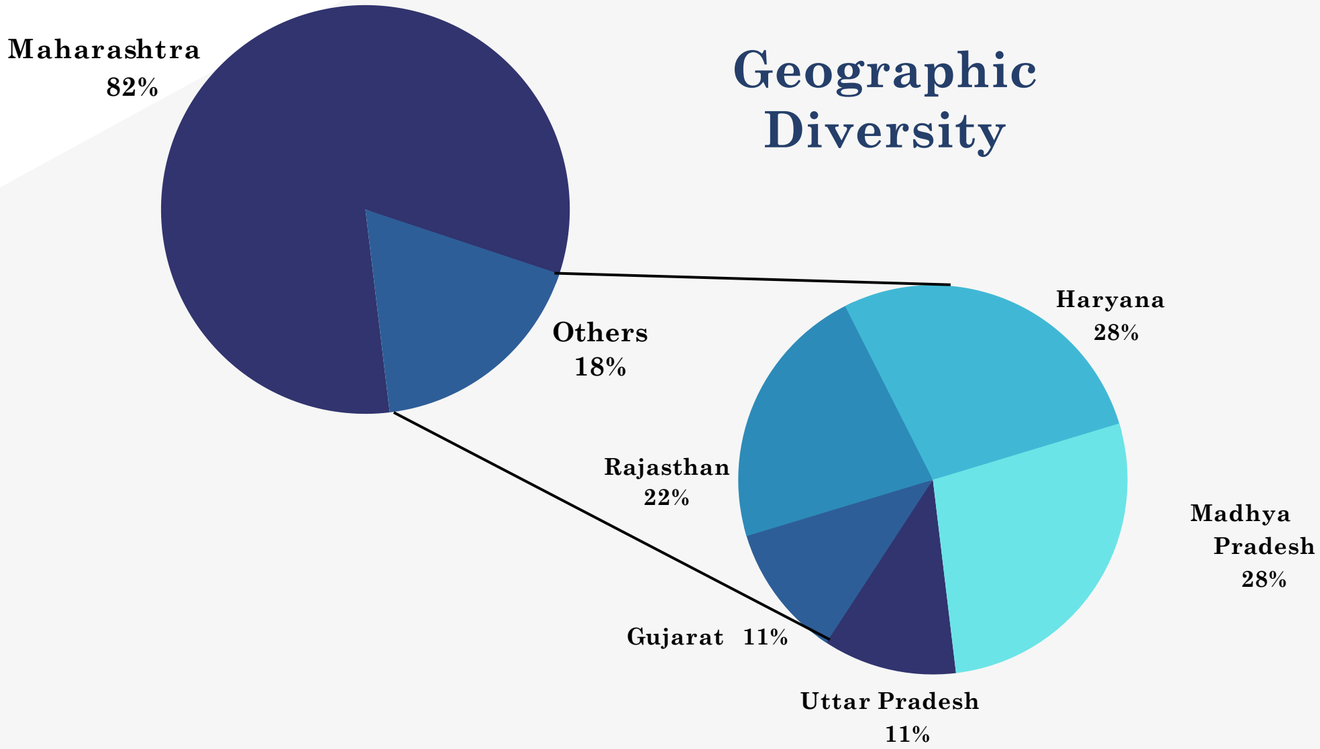
**For more details on curriculum:** https://engineering.nmims.edu/academics/programmes/b-tech/data-science/

# 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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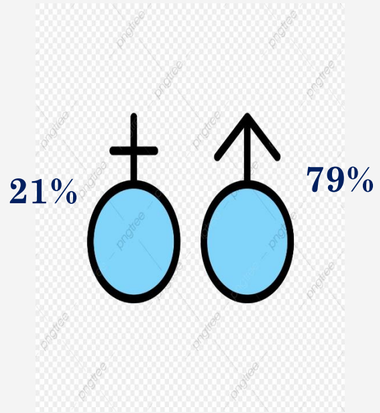
# Batch Profile

## M.Tech Data Science & M.Tech Artificial Intelligence

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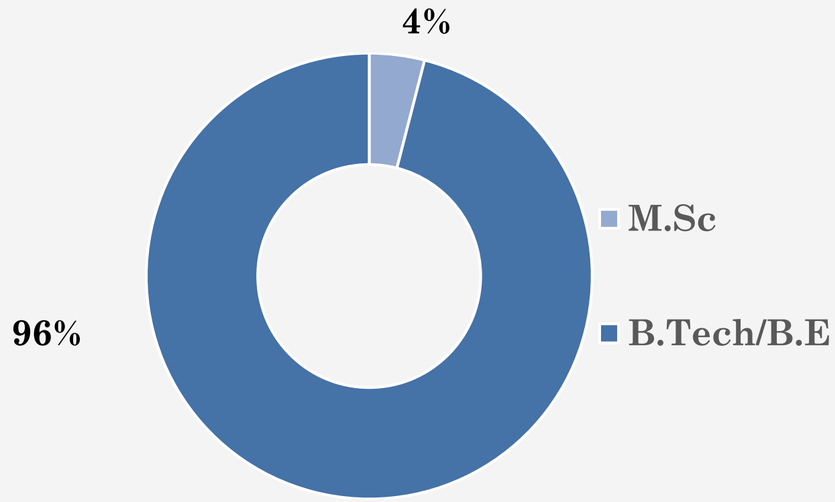
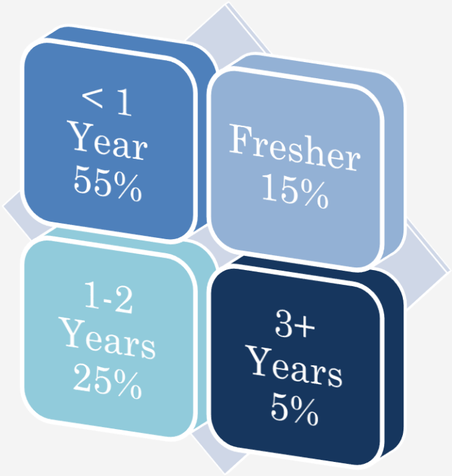



Academic Background



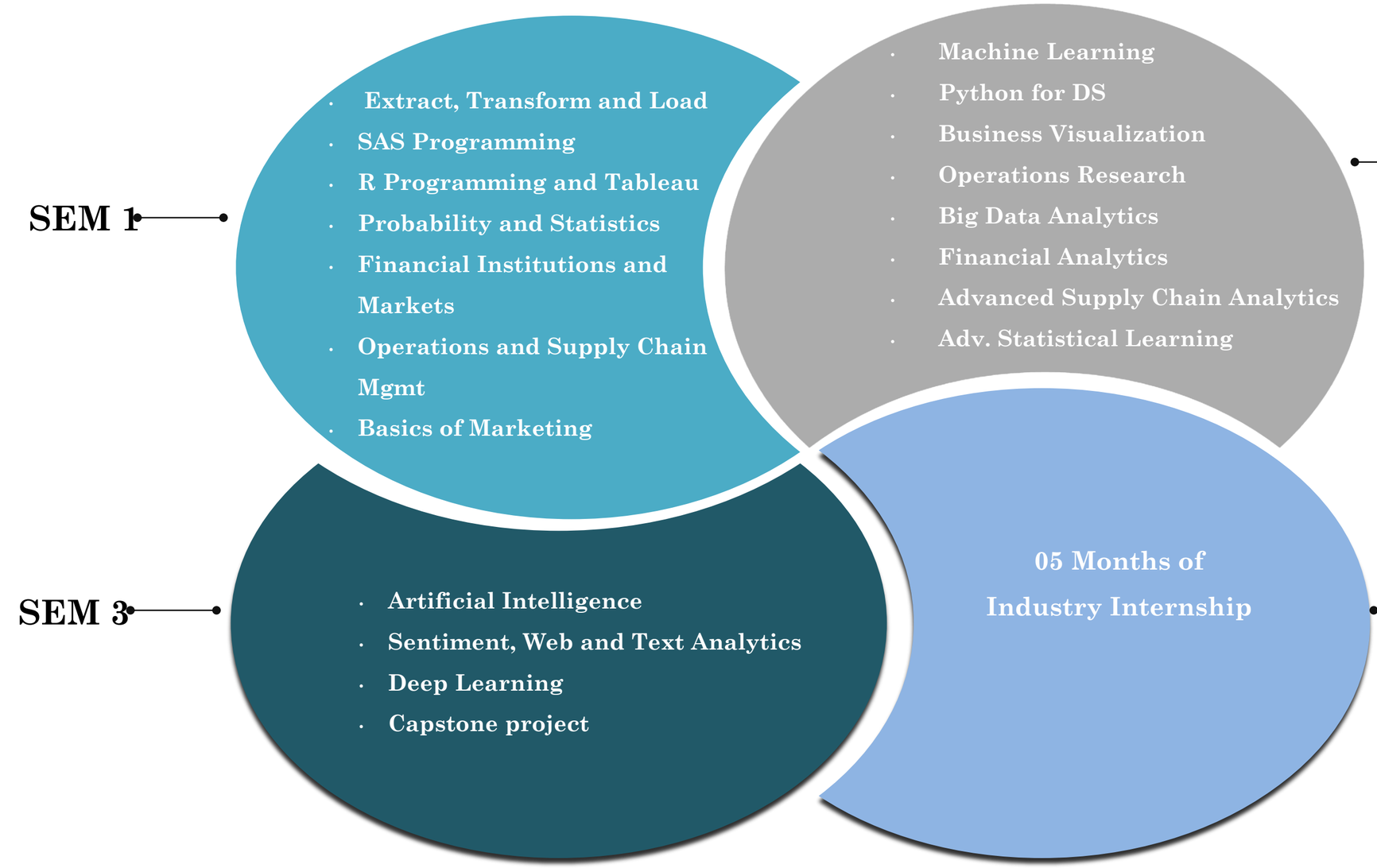

Years of Experience

Average Age

Average Experience

# Curriculum

## M.Tech Data Science



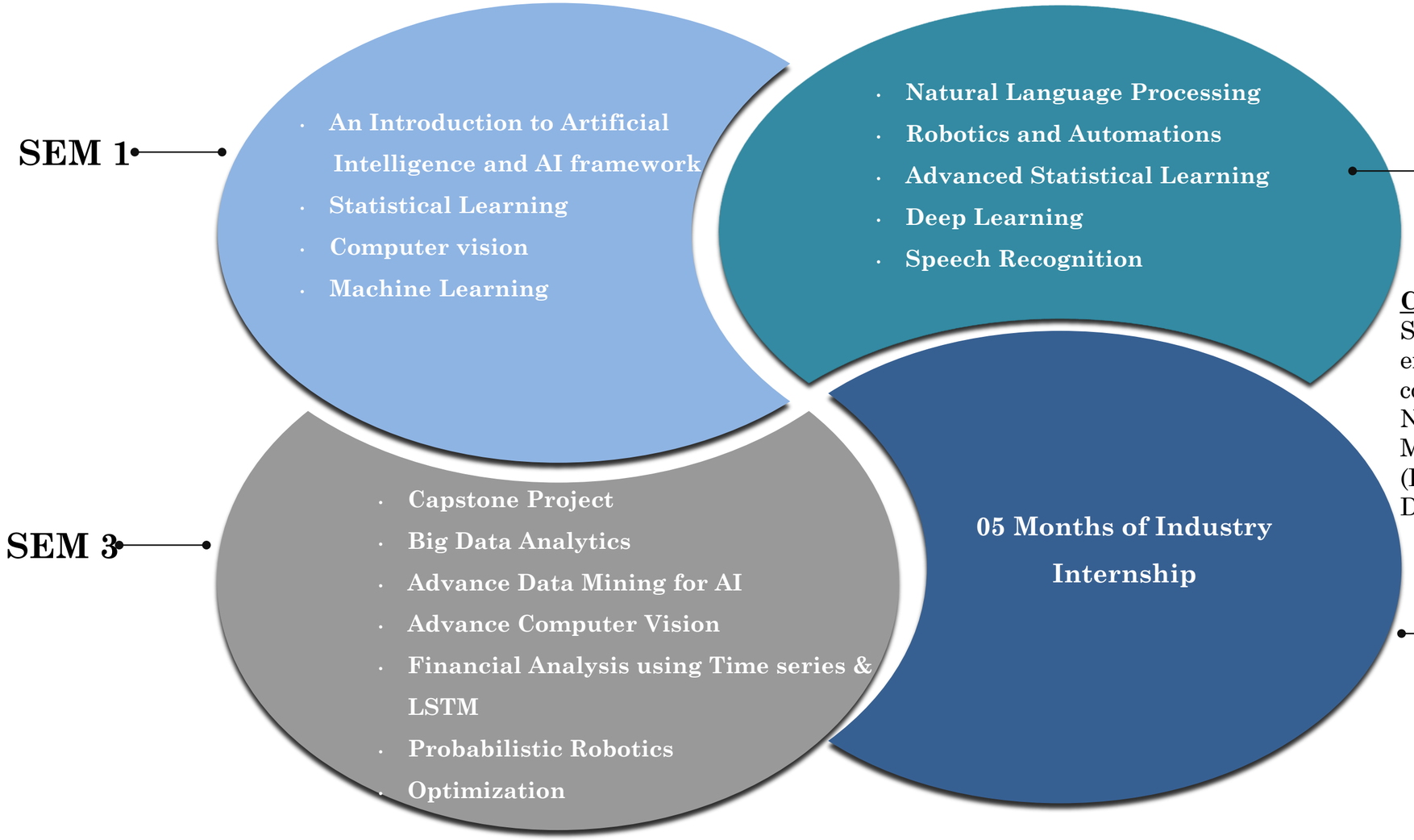

**Capstone Project:**
Students work on an extensive project solving a complex problem under the NMIMS guidance of MPSTME, faculty. (Duration: July 2021 to December 2021)



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

# Curriculum

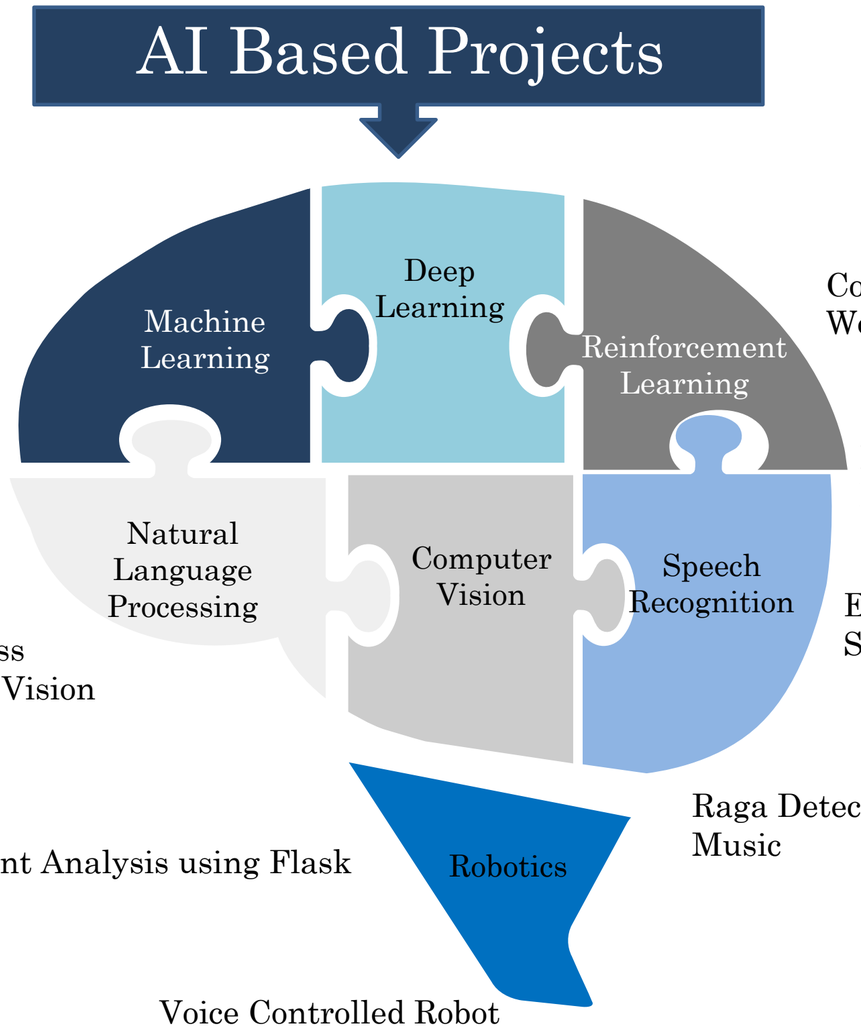
# M.Tech Artificial Intelligence




**Capstone Project:**
Students work on an extensive project solving a complex problem under the NMIMS guidance of MPSTME, faculty. (Duration: July'21 to December'21)

**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

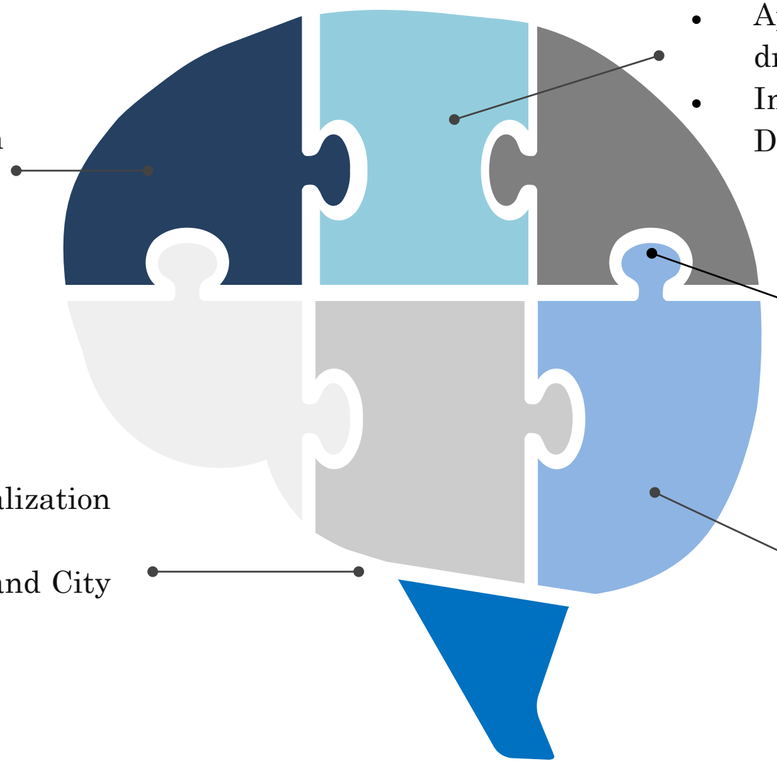
Raga Detection in Indian Classical Music

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**

₹ 11.45 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 |

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

# Competitions

ACM HACKATHON

General Mills

General Mills India Campus Challenge

MATE LABS

Dremio Business Insights Competition

PARTICIPANT
DATA ANALYTICS & MINING CHAMPIONSHIP
CHALLENGE
SAS

THE GREAT INDIAN HIRING HACKATHON
BY MACHINE HACK

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:**

btechdatascienceplacement@nmims.edu.in

www.linkedin.com/in/nmims-mtech-placecomm

mtechanalyticsplacement@nmims.edu.in