SRI VENKATESWARA UNIVERSITY
Accredited By 'NAAC' With 'A+' Grade

exf Education
An EdTech unit of Exafluence Inc. USA

M.S. IN DATA SCIENCE
INDUSTRY – INTEGRATED PROGRAM
IN COLLABORATION WITH
EXAFLUENCE EDUCATION
AN EDTECH UNIT OF EXAFLUENCE INC., USA

ABOUT US

SRI VENKATESWARA UNIVERSITY

Sri Venkateswara University (SVU) is a highly esteemed state university located in Tirupati, Andhra Pradesh, India, established in 1954. It offers a diverse range of undergraduate, postgraduate, and doctoral programs in arts, commerce, sciences, engineering, and management. The university boasts state-of-the-art facilities, including a central library, student hostels, and sports facilities, and is widely recognized for its commitment to providing an excellent learning experience in academic excellence.

Sri Venkateswara University has received several prestigious rankings. The Times Higher Education World University Rankings of 2020 ranked the institution 801–1000 in the world and 201–250 in Asia. Additionally, the QS World University Rankings of 2020 ranked SVU 248 in Asia.

EXAFLUENCE EDUCATION

Exafluence, a worldwide analytics corporation that provides domain-centric business solutions, ventured into the education industry in 2022, leading to the inception of Exafluence Education. The objective of Exafluence Education is to bridge academia and industry hiatus by providing students with real-world experiences, resulting in highly trained data science experts to address global demands. We are honored to collaborate with the prestigious SV University to bring this vision into reality.

SV UNIVERSITY & EXAFLUENCE SYNERGY SIGNIFICANCE

SV University Launches the All-New MS in Data Science: Industry-Integrated & Work-While-you Learn Pedagogy in Collaboration with EdTech Unit of Exafluence Inc. USA. The program curriculum covers a wide range of topics, including Data Analytics, Data Visualization, Machine Learning, Data Engineering, and Big Data Management. Students will engage in hands-on projects and real-world case studies, enabling them to apply theoretical knowledge to practical scenarios. Graduates will be equipped with the skills and experience needed to excel as data scientists in various industries. This program is the perfect opportunity for both students and professionals to gain a competitive edge in the fast-growing field of data science.

MS DATA SCIENCE INDUSTRY INTEGRATED COURSE AND HOW DOES IT WORKS

The New Education Policy (NEP) recognizes the need to equip students with the latest technology skills to thrive in a rapidly changing world. To achieve this goal, the NEP emphasizes the integration of emerging technologies such as Artificial Intelligence (AI), Internet of Things (IoT), and Big Data Analytics into academic programs across various disciplines. To this end, the university has forged a strategic partnership with Exafluence Inc. USA, a leading provider of Data and Analytics services on the latest technology platform, to offer a ground breaking Industry-Academia synergized program MS Data Science

WHAT IS A DATA SCIENCE?

Data science is a field that extracts insights and knowledge from complex data sets using statistical and computational methods. It combines mathematics, statistics, computer science, and domain expertise to turn data into actionable insights, with the goal of making predictions and driving innovation across various fields. Data scientists use tools like programming languages, machine learning algorithms, and data visualization to analyse data and solve problems.

WHY CHOOSE OUR PROGRAMME

- Work While you Learn
- Hands-on Live Projects
- Global Presences
- Synchronized Hybrid Mode
- Real-time with Exafluence
- Industry Relevant Curriculum
- Certification from MongoDB
- Experiental Learning
- Choose from advanced specializations
- Career Essential skills training
- Global Placements
- Educational Loan

WORK WHILE YOU LEARN AND ITS SIGNIFICANCE

- ▶ Gain hands-on experience in data science field with our unique "Work While you Learn" pedagogy.
- ▶ Experience a dynamic educational journey with hands-on expertise through real-time live projects from Exafluence Inc. gaining insights to industry challenges and solutions.
- ▶ Innovative learning approach with 80% hands-on projects every day, fostering real-world expertise and 20% theory, ensuring a holistic learning experience.
- ▶ Expert guidance by learning directly from accomplished data science professionals and guest faculty from the industry.
- ▶ Customize your learning journey with a diverse range of elective option in Data Science & Data Engineering.
- ▶ Comprehensive career grooming and dedicated placement support to confidently launch your career.

CAREER OPPORTUNITIES

Unlock an Exciting Career with MS Data Science   **Discover Top Job Roles Awaits You!**

Data Scientist   Machine learning expert   Data Architect   Business Analyst

Data Analyst   Data engineer   Data Administrator   Business Intelligence Manager & more ...

COURSE DETAILS

- Course : MS Data Science
- Duration : 2 years
- No. of semesters : 4 semesters
- Mode of Teaching : Hybrid (A full-time regular On-Campus & Off-Campus)

A Full-Time MS in Data Science Hybrid Program Delivery

On-Campus delivery: - Students can access the program in SV University regular classrooms.

Off-Campus delivery: - Students can access the program on the comfort zone with an interactive 8 hrs classroom sessions.

***Note: Off-campus students are required to attend on-campus for semester examinations**

COURSE CURRICULUM OF MS DATA SCIENCE

SEMESTER I

Mathematics Foundation for Data Science
Statistics for Data Science
Python for Data Science
Fundamentals of Programming
Fundamentals of Database Systems: SQL &MongoDB
Data Visualization & Story Telling

SEMESTER III
Artificial Intelligence and Deep Learning
Cloud Computing - AWS / Azure / GCP
Soft Skills & Personality Development
Elective-III
Elective-IV
Open Elective

SEMESTER II

Big Data Processing
Fundamentals of Machine Learning
Developing Web Applications
EDS Elective - I
EDS Elective - II

SEMESTER IV

Capstone Project

ELECTIVES

Data Science & Data Engineering

OUR FACULTY

- ★ Our team of faculty consists of domain experts from Exafluence and across Industry.
- ★ Possess a significant track record in the data science industry, having worked across a variety of sectors such as finance, healthcare, and banking.
- ★ Faculties will assist with the latest tools and techniques according to the industries best practices and emerging trends.

TOOLS & TECHNOLOGIES YOU LEARN

python | TensorFlow | NumPy | NLP++ | php

Java | hadoop | Spark | HIVE | Google Big Query

mongoDB | MySQL | SQL | kafka | git

aws | Google Cloud | Azure | Power BI | tableau

ELIGIBILITY

Graduate & Post Graduates :

B.Sc : Computer Sciences | IT | Maths | Statistics | Physics | Chemistry I Electronics | Bio-technology | Bio-informatics

M.Sc : Computer Sciences | IT | Maths |Statistics | Physics | Chemistry I Electronics | Bio-technology | Bio-informatics

B.tech / B.E. all streams, BBA / MBA

Our Selection Process

Eligible candidates should attend Entrance Examination with the following criteria

➤ Entrance Examination (50%), Panel Interview (30%) and Academic Evaluation (20%)

➤ Candidates who are shortlisted will be invited to participate in an interview and a psychometric test and the final decision on selection will be made based on their performance in these assessments.