



SRI VENKATESWARA UNIVERSITY



SV UNIVERSITY
INDUSTRY INTEGRATED
MS IN DATA SCIENCE
COLLABORATION WITH
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. In 2022, the National Institutional Ranking Framework placed the university 67th overall in India, ranking



EXAFLUENCE EDUCATION

Exafluence, a worldwide analytics corporation that provides domain-centric business solutions, ventured into the education industry in 2022, giving birth to Exafluence Education. Our objective is to bridge academia and industry 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 to reality.

SV UNIVERSITY & EXAFLUENCE SYNERGY SIGNIFICANCE

SV University launching the all-new MS in Data Science to bring industry synergy with work while learnings pedagogy with Exafluence Inc. USA that blends industry expertise with academic rigor. This program covers topics such as data analytics, machine learning, data visualization, and big data management, and includes hands-on projects and real-world case studies. Graduates will be equipped with the skills and experience needed to succeed as data scientists in various industries and will have the opportunity to network with other professionals in the field. This program is the perfect way for 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 in 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 analyze 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	 Experiential 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.
- ▶ Skills enhancement and build your resume, whether you are a fresh graduate or looking to switch careers.
- ▶ Academic and Technical guidance from our Industrial experts.
- ▶ Both workshops and courses regularly accessible to enhance your knowledge.
- ▶ Weekly schedule that involves 20% of theoretical teaching and 80% of hands-on experience with Exafluence Inc.USA
- ▶ Our goal is to equip you with the necessary tools and resources to succeed in today's highly competitive job market and needs of industries.

CAREER OPPORTUNITIES

Unlock an Exciting Career with MS in Data Science



Data Scientist



Machine learning expert



Data Architect



Business Analyst



Data Analyst



Data engineer



Data Administrator



Business Intelligence Manager
& more ...

Discover Top Job Roles Awaits You!

COURSE DETAILS

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

A Full-Time Ms in Data Science Hybrid Program Delivery

On-Campus delivery:- Students are able to access the program on SV University premises, such as regular classrooms.

Off-Campus delivery:- Students can access the program from their comfort zone. With interactive classroom sessions with 8 hrs online attendance.

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

COURSE CURRICULUM OF MS IN 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 technology.
- ★ They bring to the course their deep knowledge of the latest data science tools and techniques, as well as their understanding of industry best practices and emerging trends.

TOOLS & TECHNOLOGIES YOU LEARN



ELIGIBILITY



Graduate & Post Graduates :

B.Sc / M.Sc Streams | Computer Sciences | IT | Maths | Statistics | Physics | Chemistry |
Electronics | Architecture | Bio-technology | Bio-informatics | Bio-chemistry | Microbiology |
Molecular biology | Botany | Zoology |
B.tech / B.E. all streams |
BBA / MBA

Our Selection Process

Eligible candidates should attend DSAT and the with the following criteria

- ▶ SV University 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.

