



# BSc. in DATA SCIENCE & SPORTS STUDIES

**Exclusive Collaboration**



**1<sup>st</sup> in Mumbai**

## *The School of Computer Science, Artificial Intelligence & Emerging Technologies*

In recent years, the field of Data Science and Sports Studies has grown in popularity and importance. It offers young talent an opportunity to learn the nuances of sports studies and technology and trains them to pursue a career in various interdisciplinary careers. Data Science is an interdisciplinary subject that includes the use of Statistics, Big Data Analytics, Machine Learning and related aspects in order to understand the problem or phenomena with respect to a set of real-world data.

Data science is the future and is present in almost every industry, including sports. Sports analytics, on the other hand, is nothing more than using data from any game or sport to build predictive machine learning models. Sports data includes individual player performance, weather conditions, and recent/records of the team's victory or defeats against all other groups.

## **Why Choose TransStadia Institute?**

- Institute is collaborated with IBM. Emphasis on mathematical concepts to build a solid foundation for the degree.
- Curriculum designed by academicians and industry experts to strike balance between theory and practical.
- Access to technical resources and tools, allowing them to develop the skills and knowledge required to excel in their careers. Well-equipped computer laboratories and all sports facilities.
- The program is offered in collaboration with industry partners enabling students to work on real-time projects and gain hands-on experience working in the industry.
- National and Internationally aligned curriculum supporting students who wish to pursue higher education abroad.
- Research and Project based learning in 5th and 6th semester.
- Equip students with skills that are in high demand from industry.



     
@transstadiainstitute

**CENTRE OF EXCELLENCE IN SPORTS SCIENCE & SPORTS MANAGEMENT  
TRANSSTADIA INSTITUTE IN COLLABORATION WITH THE UNIVERSITY OF MUMBAI**



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Language Bhavan, (Nr. Chhatrapati Shivaji Maharaj Bhavan), University of Mumbai, Vidya Nagari,  
Kalina, Santacruz (E), Mumbai - 400098

## Program STRUCTURE

As part of this program, students will opt for 6 courses each semester which will comprise:

- 4 school-specific courses
- 2 blended electives
- 1 value-added elective
- Summer internship at the end of the 4th semester

### FOUNDATION COURSES

Principles of Management  
Communication  
Mathematics - I  
Introduction to IT  
Object Oriented Programming

### CORE COURSES

Principles of Electronics  
Problem Solving Through Programming  
Python Programming  
Data Structure & Algorithm  
Digital Logic

### SPECIALISATION COURSES

High Performance in Sport  
Sports Data: Retrieval & Analysis  
Sports Statistics  
Sports Electronics  
Intelligent Sports Automation

## Career PROSPECTS

Business Intelligence  
Analyst

Data Scientist

Database  
Administrator

Data Analyst

IT Consultant

Machine Learning  
Engineer

Data Engineer

Data Architect

Sports Analytics

Business Analyst

“ When technology is overdone our humanity, we are dedicated to carrying a positive, safe, supportive and learning ecosystem to cultivate well rounded, confident and responsible individuals who aspire to achieve their full potential in the field of Data Science & Sports Studies ”

Program Director



Free  
COUNSELLING

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