



भारतीय प्रौद्योगिकी संस्थान दिल्ली
Indian Institute of Technology Delhi



University
of Exeter



Presents

SPRING SCHOOL IN SPORTS TECHNOLOGY, MACHINE LEARNING AND DATA ANALYTICS 2026

[Register Now](#)

Limited Seats Available



IIT Delhi, Hauz Khas Campus, New Delhi, India, 110016



[Event Website](#)



भारतीय प्रौद्योगिकी संस्थान दिल्ली
Indian Institute of Technology Delhi



University
of Exeter



SPRING SCHOOL IN SPORTS TECHNOLOGY, MACHINE LEARNING AND DATA ANALYTICS 2026

The event is designed as an intensive, in-person certificate course that brings together sports coaches, physiotherapists, fitness professionals, sports scientists, and entrepreneurs, providing an opportunity to learn about advanced technological methods in sports and analytics for performance assessment and enhancement. Teaching and training will be led by faculty from IIT Delhi, international faculty from the University of Exeter, and scientists and practitioners from the Sports Authority of India.



VENUE AND DATE



IIT Delhi, Hauz Khas Campus



Starting From 2nd March, 2026

CONNECT WITH US



riselab.iitd.ac.in



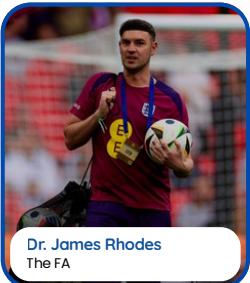
sports_iitd_exeter@admin.iitd.ac.in

PROGRAMME CONTENTS

Foundations of Sports Technology & Sensing	Day 1 - 2nd March, 2026
<ul style="list-style-type: none">Welcome and Inaugural Session: Opening remarks by programme coordinators from the Indian Institute of Technology Delhi and the University of ExeterKeynote Lecture: Pushing the Boundaries: Incorporating Technology in Sports - Delivered by leadership from the Sports Authority of IndiaExercise Physiology and Role of Sensing: Academic perspectives on physiological monitoring and sensing technologiesSensing Muscle Function: EMG-based assessment and neuromuscular function analysisApplication in Practice – GPS Technologies: Real-world applications of GPS data analytics in sports performance	
Nutrition, Biosensing & Inclusive Sports Technology	Day 2 – 3rd March, 2026
<ul style="list-style-type: none">Evidence and Technology Based Approaches to Sports Nutrition: Scientific frameworks for nutrition interventions supported by data and performance analytics.Biosensing Based Insights into Exercise and Heat Performance: Understanding physiological responses to exercise and environmental stress using sensing technologies.Role of Technology in Paraports Performance Assessment: Application of sports technology for performance assessment, classification, and athlete development in paraports.Best Practices in Technology Integration: Practitioner-led insights into the use of GPS and performance monitoring technologies in elite sports environments.	
Academic Networking & Engagement	Day 3 – 4th March, 2026
<ul style="list-style-type: none">No formal academic sessions (Holi Festival Holiday)Networking Dinner and Professional Interaction at IIT Delhi	
Wearables, VR & Cognitive Performance	Day 4 – 5th March, 2026
<ul style="list-style-type: none">Sports Wearables and Neural Technologies: Applications of EEG and fNIRS for monitoring neural and cognitive aspects of sports performance.Measuring Mental States in Real World Environments: Assessing psychological and cognitive load in applied sports settings.Augmented Reality (AR) and Virtual Reality (VR) in Sports: Use of immersive technologies for training, skill development, and performance analysis.Hands on VR Demonstration: Practical exposure to VR environment design and basic simulation development.Performance Psychology and Technology Based Interventions: Technology enabled approaches to athlete stress management and mental performance.Understanding the Role of Simulation in Sports: Simulation based models for training, decision making, and performance optimisation.	
Data Analytics, Machine Learning & Laboratory Demonstrations	Day 5 – 6th March, 2026
<ul style="list-style-type: none">Introduction to Artificial Intelligence and Machine Learning in Sports: Foundational concepts and applications of AI and ML in sports performance analysis.Applied Data Science in Sports: How performance data are analysed to inform training and competitive decisions.Hands on Laboratory Demonstrations:<ol style="list-style-type: none">Motion capture and biomechanical modelling for sports performance analysisWireless EMG data processing, muscle oximetry, and biomechanics assessment using industry-grade systemsProgramme Conclusion and Academic Wrap up: Summary of key learning outcomes and closing academic discussion.	

 [DOWNLOAD FULL TIME TABLE](#)

SPEAKERS AND FACULTIES



TOP INTERNATIONAL FACULTIES AND SCIENTISTS FROM



भारतीय प्रौद्योगिकी संस्थान दिल्ली
Indian Institute of Technology Delhi



University
of Exeter



PARTICIPATION BENEFITS

Certification from Leading Institutions



भारतीय प्रौद्योगिकी संस्थान दिल्ली
Indian Institute of Technology Delhi



University
of Exeter



SAI
सर्वोच्च सेवा

Learn From Top Indian Institute



भारतीय प्रौद्योगिकी संस्थान दिल्ली
Indian Institute of Technology Delhi

RANK 2 nirf

#123 QS WORLD UNIVERSITY RANKINGS

Industry Sponsored Technology Demonstrations

Hands-on exposure through live demonstrations supported by leading sports technology companies such as Nokov, Delsys and more.

Collaborate with World Leading Sports Science University



University
of Exeter

TOP 5 IN UK FOR SPORTS SCIENCE

#155 QS WORLD UNIVERSITY RANKINGS

Learn Real World Tools Used in Elite Sports & Research

Practical engagement with motion capture systems, wireless EMG, muscle oximetry, wearable sensors, data analytics and machine learning tools used in high performance sports environments.

HANDS-ON TECHNOLOGY DEMONSTRATIONS

Spring School in Sports Technology, Machine Learning and Data Analytics 2026 emphasises learning through direct engagement with advanced sports technologies used in research and high-performance environments. Participants will take part in guided hands-on demonstrations covering motion capture and biomechanical modelling, wireless EMG and neuromuscular assessment, wearable sensor technologies, virtual reality-based simulation training, and data analytics and machine learning workflows. These sessions are designed to provide an exposure beyond theory towards practical, technology-enabled methods for assessing and improving sports performance.



TECH DEMONSTRATION PARTNERS AND SPONSORS



KNOWLEDGE PARTNER



AIC IIT DELHI
Sonipat Innovation Foundation
Supported by AIM, NITI Aayog





SCAN TO REGISTER