



National Workshop

On

"Sports Biomechanics with Open Source Software"

Organised by



Department of Physical Education and Sport Science,
Vinaya Bhavana, Visva-Bharati
(A Central University and an Institution of National Importance),
Santiniketan, WB

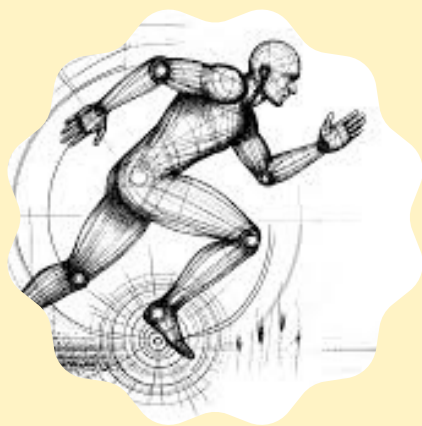
Date : February 24 - 25 , 2025

Venue

Seminar Hall, Department of Physical Education and Sport Science
Vinaya Bhavana, Visva-Bharati
(A Central University and an Institution of National Importance)
Santiniketan, West Bengal, India

Registration Fees :
Rs 200/- only

Limited to Twenty (20)
Students (First-come, First-
Served basis)



Objectives of the Workshop :

This workshop is designed to provide participants with hands-on experience and practical knowledge of various open-source tools for motion analysis. This workshop will help you unlock the potential of the following software:

Tracker: Gain expertise in using Tracker, an open-source video analysis and modeling tool for studying motion in physics and biomechanics.

Kinovea: Explore how Kinovea simplifies video analysis for sports and biomechanics, offering tools for measuring angles, speeds, and distances.

Mokka: Learn how to visualize and analyze biomechanical data with Motion Kinematic & kinetic Analyzer (Mokka), a powerful motion capture visualization tool that supports multiple file formats.

OpenCap: Discover how OpenCap enables markerless motion capture using simple video input, making biomechanical analysis more accessible.

Key features:

- A. Hands-on tutorials on installing and using the software.
- B. Applications in biomechanics and sports science.
- C. Guidance on integrating these tools into research and teaching.

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