

# CV PROJECT WEEKLY UPDATE

## Week 4: March 17, 2025 – March 22, 2025

### Work Done:

- Implemented movement analysis metrics:
  - **Power Output** calculation model.
  - **Eccentric & Concentric Phase Duration** tracking.
  - **Maximum Velocity During Jump** estimation.
  - **Symmetry Indices for Joints** evaluation.
- Processed a video containing **3 jumps** and obtained resultant values for each metric.
- Started testing and validation of these metrics.
- Also, Make PPT for mid term presentation and Mid term Report.

### Planned Activities for Next Week:

- Validate the accuracy of obtained results by comparing them with expected movement patterns.
- Process additional videos, if available, to test consistency across multiple jump sequences.
- Refine the implementation based on findings to improve precision.