SPRINT RERTOSPECTIVE 2

What Went Well	What Could Be Improved	Action Items / Improvements for Next Sprint
The integration of Transfer Learning with LSTM enhanced the model's classification accuracy.	The prototype user interface for real-time KOA severity prediction is still in the planning phase.	Develop UI for real-time gait prediction and visualize results interactively.
Successful implementation of frame extraction and keypoint detection using MediaPipe for all subjects.	Although model metrics are generated, there is limited visualization of confusion matrices and gait keypoint movements.	Add real-time gait animation for pose comparison between normal and KOA cases.
Added dropout and learning rate scheduler to minimize overfitting issues from Sprint 1 ,Model now performs more consistently across training and validation sets.	Functional testing is manual; we could automate the frame-to-keypoint-to-prediction pipeline for faster experimentation.	Implement automated testing scripts for key components (frame extraction, keypoints, inference).
Clear communication and defined task ownership using MS Planner improved productivity and time tracking.	Some severity classes have fewer samples, which may affect prediction confidence.	Explore data augmentation techniques to balance class distribution and improve model robustness.