SPRINT RERTOSPECTIVE 3

What Went Well	What Could Be Improved	Action Items / Improvements for Next Sprint
The final model using finetuned LSTM architecture	Real-time testing was limited to pre-recorded	
delivered improved classification accuracy and	video. Future work could include a live webcam-	Expand Dataset with more diverse gait samples to
reduced overfitting.	based inference module.	improve generalization.
Full automation from video frame extraction →		
pose detection (MediaPipe) → sequence	While a basic interface was designed, a more	
generation → KOA severity prediction was	intuitive and interactive UI for healthcare	Deploy model on a web-based or mobile interface
implemented and tested successfully.	professionals could be built.	for real-time clinical utility.
	The model was trained on a small dataset; cloud	
Functional and validation test cases were created	deployment and edge inference possibilities are to	Integrate explainable AI (XAI) methods to interpret
and passed as per the test plan.	be explored further.	predictions and improve trust in medical settings.
All PPT slides, user stories, methodology, and		
architecture diagrams were documented clearly		Collaborate with healthcare professionals for
for review.		feedback and iterative improvements.
Literature survey and SDG justification aligned well		
with the project's real-world impact.		
Task assignments, sprint goals, and progress		
tracking using MS Planner were managed		
efficiently.		