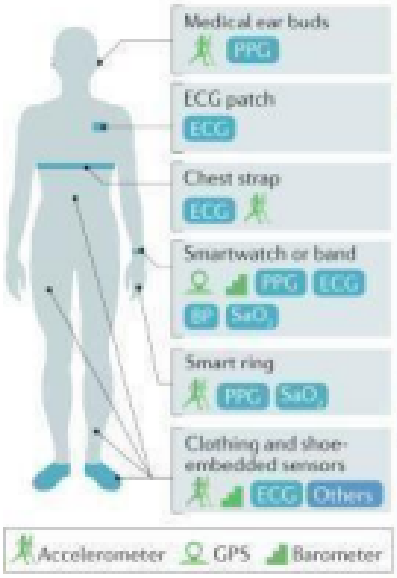
PROJECT PLANNING PHASE
Prepare Milestone & Activity List

Date	4 November 2022
Team ID	PNT2022TMID1670
Project Name	Smart Fashion Recommender Application
Team Members	Lavanya K Maria Sarah J Nila Bharathi N Subashree R

Milestone


A Timeline of Our
Monthly Project Milestones
January
February
March
April
May
June
July
August
September
October
November
December

Activity list



Sensors	Measurements	Clinical applications
Activity		
Accelerometer	Step count, impact force, speed, sedentary time, exercise	• Risk assessment in healthy individuals and those with established CVD • Physical activity behavioural interventions in primary and secondary prevention • Cardiac telerehabilitation • Heart failure management
Barometer	Stair count	
GPS	Distance traveled	
	Calories burned estimated from multiple measurements	
Biometric		
PPG	HR, HRR, HRV, cuff-less BP, SaO_2, cardiac output, stroke volume, pulse-based rhythm detection, sleep and its stages	• Risk prediction in healthy individuals and those with established CVD • Hypertension screening and management • Cardiac telerehabilitation • Arrhythmia screening and diagnosis • Acute coronary syndrome diagnosis • Diagnosis of electrolyte abnormalities such as hyperkalaemia • Long QTc diagnosis • Heart failure management • Medication titration such as β-blockers
ECG	Single-lead and multi-lead ECG, continuous or as-needed ECG monitoring, interval measurements such as QTc, arrhythmia detection and electrolyte abnormality changes	
Oscillometry	Wrist cuff BP	
Other		
Biochemical sensors	Invasive for continuous blood glucose and electrolyte monitoring Non-invasive for sweat and saliva electrolytes and hydration status	• Identifying electrolyte abnormalities • Continuous blood glucose monitoring • Heart failure management
Biomechanical sensors such as ballistocardiogram, seismocardiograms and dielectric sensors	Cardiac output, stroke volume, lung fluid volume, body vibrations, weight	