			Tasks (Month Number)												
Project Aims	**Phases**	**Month**	**1**		**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Aim 1: Pipeline and Outcomes	**Setup & Literature Review**	**May**	Review current PPGR and explainable ML literature; define research scope, methodology, and data workflow for reproducible analysis.												
	Data Ingestion & Quality Control	**May**		Import CGMacros: clean/synchronize CGM, nutrition, and activity. Enforce QC: sensor coverage, wear-time, day completeness, plausible ranges.											
	Feature Engineering & Exploratory Analysis	**June - July**			Implement robust meal alignment: derive PPGR outcomes (ΔPeak, iAUC, 120 min recovery, time-to-peak): explore relations with diet/physiology.										
Aim 2: Modelling and Validation	**Model Development**	**August - September**					Train Ridge and GAM models for Δpeak: fit cost-sensitive shallow trees for Large vs Small excursions.								
	Evaluation & Sensitivity Analysis	**October - November - December**							Perform LOPO cross-validation with nested hyperparameter search; report RMSE, MAE, R^2, AUROC, balanced accuracy, and calibration; assess threshold sensitivity and feature ablation tests.						
Aim 3: Explainability and Translation	**Explainability**	**January - February - March**										Compute and report global (GAM partials, standardized coefficients) and local (SHAP) explanations; summarize clinician-facing rules with uncertainty.			
	Write-up & Supervisor review	**April**													Draft thesis chapters and figures, Revise thesis per feedback, finalize reproducible package, and submit final version.