Tamil Sentiment Analysis - Gantt Chart (Mid-Jan to Mid-April)

Timeline	Dataset Collection & Annotatio	n Preprocessing	Feature EngineeringM	lodel Selection & Trainir	lgyperparameter Tunin ଏ	odel Evaluation & Testii	ъ
Mid-Jan	Download/create dataset						
	Label sentiment categories						
Feb	Complete annotation To	kenization & Lemmatizati	onTF-IDF & Embeddings				
		Stopword RemovalMu	RIL, IndicBERT Embeddi	ngs			
		Data Cleaning	Feature Extraction				
Mar		Preprocessing Finalized	ature Engineering Finalid	ngobse MuRIL, mBERT, XL	MGrid & Random Search	Precision, Recall, F1-scor	₽
				Train Models	Cross-validation	Adjust Model Performance	*
Mid-Apr				Finalize Training	Finalize Best Model	Finalize Evaluation	,
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Key Highlights:

- Jan-Mid Feb: Focus on dataset collection, annotation, and preprocessing.
- Feb-Mar: Develop features and train models with MuRIL, mBERT, and XLM.
- Mar-Apr: Work on fine-tuning, evaluation, deployment, and documentation.