Project Scope			
Title	Early Detection of Mental Health Conditions on Twitter: An NLP-Based Approach		
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Objectives	The objective of the project is to develop an NLP-based system that utilizes Twitter data to analyze language patterns, sentiment, and contextual clues in tweets, with the aim of identifying individuals with mental health conditions such as depression, anxiety, or stress. The project focuses on early identification of individuals at risk.		
Deliverables	A functional NLP-based mental health identification system capable of analyzing Twitter data to detect individuals with mental health conditions. This will include the developed model, the identification system. Additionally, comprehensive documentation, including technical specifications, user guides, and ethical guidelines, will be provided.		
In-Scope Activities	● Collecting a dataset of tweets containing mental health indicators. ● Building a system to analyze tweets and identify individuals at risk. ● Developing an NLP model: Building a machine learning or deep learning model that can analyze Twitter data to identify individuals with mental health conditions.		
Out-of-Scope Activities	● Real-time monitoring of mental health indicators on Twitter. ● Providing helpline numbers and Targeted Resource Provision to individuals		
Assumptions	● Availability of diverse and representative Twitter data for analysis. ● Relevance and accuracy of mental health indicators in tweets.		
Constraints	● Compliance with data privacy regulations and ethical considerations. ● Technological limitations in computing resources and scalability. ● Addressing biases and ensuring fairness in data analysis. ● Generalizability of findings to other social media platforms.		