

SmartInternz Externship



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Externship Title	Data Analytics with IBM cognos Analytics
Project Name	Depression: A Common Mental Disorder

Team Members

Name: Shaik Henna Yasmine
Email ID: henna.21bec7206@vitapstudent.ac.in
Registration Number: 21BEC7206

Name: Maddala Mahiyah
Email ID: mahiyah.21bec7214@vitapstudent.ac.in
Registration Number: 21BEC7214

Project Design Phase-I

Solution Architecture

The solution architecture for addressing "Depression, A Common Mental Disorder" comprises five essential layers:

User Layer: Develop a user-friendly web or mobile application where users can answer the questions. Present the questions as a questionnaire with multiple-choice or yes/no options.

Data Collection Layer: Collect user responses to the questions. Store responses securely, ensuring data privacy and compliance with regulations.

Data Processing Layer: Process and analyze the collected responses to calculate a depression score. Sum up the affirmative responses to assess the user's level of depression.

Scoring and Classification Layer: Based on the user's score, classify their depression level into categories such as low, moderate, or high.

Notification Layer: Notify the user of their depression level, along with guidance or recommended actions. If the user's depression level is high, prompt them to seek immediate professional help.

Link:

https://www.canva.com/design/DAFzCd_OU6s/dgA5CxQaYLazOVVwfnfWlQ/edit?utm_content=DAFzCd_OU6s&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton

➤ Solution Architecture Diagram

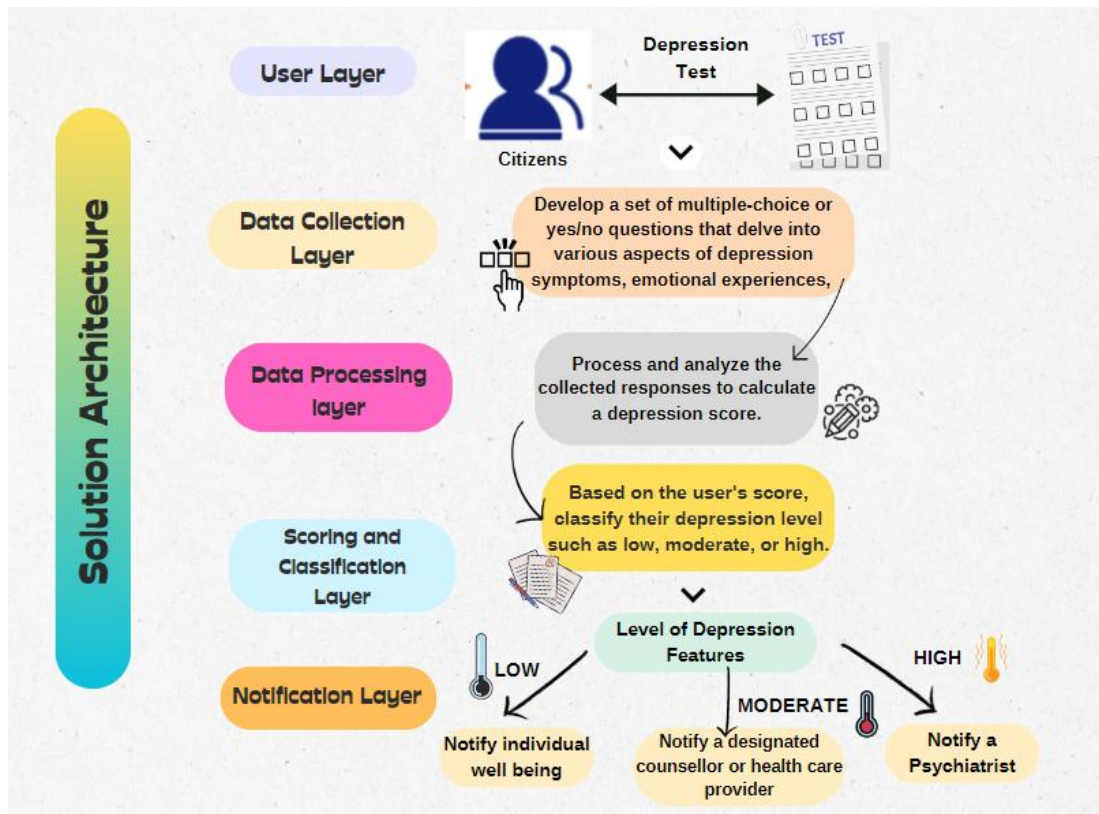


Figure 1: Architecture and data flow of the Depression level detection.