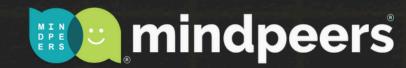
We are MindPeers India's favorite Mental Health Partner





2024 Linked in IOP **STARTUPS** India

Shark Tank India 2023

And this year being Linkedin's Top
Startups on the rise list

Championing mental health worldwide with universities and companies



























Gokhale Institute of Politics and Economics
(Deemed to be University)











We take a multilayered approach to help students

- End to end mental well-being support to students, parents and teachers
- Offline and Online therapy sessions
- Awareness workshops
- Wellness Events
- Digital tools based on expressive art modalities like CogniArt





Objectives -

Participants are tasked with developing a NLP-based solution that automatically extracts, classifies, and performs deeper analysis of mental health concerns from user input. The solution should consist of five main components: polarity detection, keyword extraction (NER), concern classification, intensity scoring, and a timeline-based sentiment shift analysis.

The tasks -

- Polarity Finder
- Keyword Extractor (NER)
- Concern Classifier
- Intensity Scoring
- Timeline-based Sentiment shift analysis



End-to-End Pipeline -

The final solution should integrate the following components:

- 1. Polarity Finder: Detects the emotional polarity and shifts in sentiment over time.
- 2. Keyword Extractor (NER): Extracts concern-related keywords or phrases.
- 3. Concern Classifier: Maps extracted keywords to predefined categories.
- 4. Intensity Scorer: Provides a severity score for each concern.
- 5. Timeline Sentiment Analyzer: Tracks the progression of mental health concerns over multiple inputs.



Expected Deliverables -

Participants must deliver the following components:

- 1. Polarity Finder: A model that detects sentiment and tracks emotional shifts over time.
- 2. Extractor: A functioning Named Entity Recognition (NER) model that accurately extracts mental health concern phrases.
- 3. Classifier: A classification model that maps extracted concerns to predefined mental health categories.
- 4. Intensity Scorer: A scoring system to assess the severity of the concern.
- 5. Timeline-Based Sentiment Analyzer: A component that tracks the progression or improvement of mental health concerns over time.



Evaluation Criteria -

- Polarity Detection Accuracy: How well the model identifies the emotional polarity and tracks shifts over time.
- Extraction Accuracy: How well the model extracts mental health concern-related phrases from user input.
- Classification Precision: The accuracy with which the model maps the extracted concerns to predefined categories.
- Intensity Scoring: The accuracy of assigning appropriate intensity levels to concerns.
- Timeline Analysis: How well the model tracks and predicts the progression of mental health concerns over time.
- End-to-End Performance: The overall efficiency and reliability of the complete pipeline from raw user input to a classified, scored, and timeline-analyzed output.