Capstone Project Batch-15 Weekly Report

Date: 29/05/2022

Project Details:

1. **Sponsor Company:** Peak Health Technologies

2. **Project Title:** Using a combination of multiple facets of Health, Engagement and Productivity to estimate occupational burnout

Project Milestones:

Progress made in Current Week:

- Literature review on burnout
  - HBR Article on 'Beating Burnout'
    - Signs of burnout
    - The stressors in a job leading to burnout
    - How one can combat/prevent burnout
    - How leaders (and organizations) can help to solve this issue by putting sustainable measures in place.
    - Measuring Burnout: Maslach Burnout Inventory
  - Research Papers on Sentiment Analysis of Employee's Experience, Burnout Prediction
- Exploratory Data Analysis
- Data Cleaning and Pre-Processing

Tasks to finish in Next week:

- Having a fair understanding on burnout to correlate given data to three major axes of burnout
- Complete EDA and finalize if additional data are required
- Mockup Dashboard Design and analyzing key metrics

Updates/MoM from Sponsor and Faculty Mentor:

Note: It is expected that you have at least one weekly connect with the faculty mentor and sponsor. If you were not able to schedule meetings with the sponsor or faculty mentor in the current week, please mention the reason for your inability to meet with the Sponsor or Faculty Mentor.

Updates/MoM from Sponsor:

- Brief Introduction
- Background about Peak Health Technologies
- Introduction to different aspects and dimensions of burnout
- Expected deliverables
- Alignment on weekly meeting schedule

Updates/MoM from Faculty Mentor:

- Brief Introduction
- Background about Peak Health Technologies
- Introduction to different aspects and dimensions of burnout
- Parallel workflow of literature review and the deliverables
- Realignment on the below deliverables:
    - Digital Suggestion Box – Recommendation System
    - Burnout Prediction Model

Challenges:

Mention any technical and non-technical challenges that you faced during the current week that hindered your project progress. Enter "NA" if you didn't face any challenges.

Technical Challenges:

- Data Quality
- Insufficient employees' review data (~50% missing in the given dataset)

Non-Technical Challenges:

NA

Mention any other queries/challenges regarding the project that you want to highlight:

- Understanding of the review ratings