

# Professional Readiness for Innovation, Employability and Entrepreneurship

## Project Report for Week 2

### Project Title: AI-powered Nutrition Analyzer for Fitness Enthusiasts

- On August 29<sup>th</sup> we had sessions on Training & Project Calendar along with the roles & responsibilities, in this session we got a clear idea about the trainings and also about the project calendar.



- We did Literature Survey on the selected project and we gathered the related Information. Relevant information on project usecase,

referred the existing solutions, technical papers, research publications etc.

## Literature Survey

### AI-powered Nutrition Analyzer for Fitness Enthusiasts

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#### 1.THE INFLUENCE OF AI-powered Nutrition Analyzer for Fitness Enthusiasts

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Artificial intelligence (AI), from time to time called machine intelligence is simulation of human intelligence in machines. It is the intellect exhibited by machines, in contrast to the natural knowledge demonstrated by humans. It is yet another online platform which uses deep learning and image recognition to analyse what the users eat and determine what is trending in terms of each popular dish that the user eats and consumption time. The machine learning facilitates provisions like recognition of past meals, make hierarchical predictions- that is detect high-level categories like beverages and soup as well as specific dishes and ingredients. It also integrates with their Food Knowledge Graph that contains a large set of commonly eaten foods, with nutrition facts, and hierarchical structure. The platform also further breaks down the nutrition

- On September 1<sup>st</sup> our Technical Training Sessions started. Our Day 1 Session was on September 1<sup>st</sup> which was based on the basics of Artificial Intelligence like the History and Application of AI, Basics of Deep Learning and Machine Learning, Programming Language for AI (Python) and Frameworks of AI.



## AI - B4 - 4M6E (Morning Session) - Day 1

- Our Day 2 Session was on September 3<sup>rd</sup> which was a Hands-on session based on basics of python and how to work on Colab.



## AI-B4- 4M6E(Evening Session)-Day-2