

# Professional Readiness for Innovation, Employability and Entrepreneurship

## Project Report for Week 2

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

**Team ID:** PNT2022TMID15800

**GitHub ID:** IBM-Project-24498-1659943754

**Mentor Name:** Mrs. S. Selvi

**Team Members:** P Jai Siva Ranjani (Team Leader) – 111719104118

Ishwarya S – 111719104062

Lavanya S – 111719104084

Manasa G C – 111719104090

- 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.

The screenshot shows a Zoom meeting interface with a blue background. At the top, there is a banner with several logos: a graduation cap, a circular logo with a person, a gear logo, a logo for 'IT - ITes SSC NASSCOM', and the 'ICTACADEMY' logo. Below the banner, the text 'Training & Project Calendar, Execution Process' is displayed in white. Underneath this, the name 'Nalaiya Thiran' is shown in a large, bold, white font. Below the name, the text 'Professional Readiness for Innovation, Employability & Entrepreneurship' is written in a smaller white font. At the bottom left, it says 'Executed by' followed by the 'IBM' logo. At the bottom right, it says 'IBM | career.education@ibm.com' and the 'zoom' logo. The bottom of the screen shows a Windows taskbar with various icons and the system clock indicating 09:01 on 29-08-2022.

- 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

#### Team Members

Jai siva ranjani – 111719104118

Ishwaraya - 111719104062

Lavanya – 111719104084

Manasa - 111719104090

#### 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