

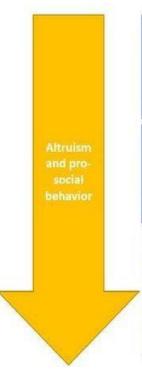


## **Project Initialization and Planning Phase**

Date	20 June 2024
Team ID	739998
Project Name	Eudaimonia Engine: Machine Learning into Happiness classification
Maximum Marks	3 Marks

## **Define Problem Statements (Eudaimonia Engine Problem Statement Template):**

The "Eudaimonia Engine" is a sophisticated machine learning system designed to explore and classify human happiness based on various psychological and behavioral indicators. By analyzing vast datasets encompassing factors such as social interactions, emotional expressions, lifestyle choices, and self-reported well-being measures, the system aims to uncover nuanced patterns and correlations that contribute to individual happiness levels. Leveraging advanced algorithms and predictive modeling techniques, the Eudaimonia Engine provides insights into the multifaceted nature of happiness, offering valuable guidance for personal development, mental health interventions, and societal well-being initiatives.



<u>Happiness</u>. In its etymology recall the idea of being lucky that is a condition that is characterized by the presence of low altruism and prosocial behavior and potentially an high degree of selfish and individualistic behavior. The fact of being lucky in effect can't be easily shared neither in a commons sphere.

Well-Being. The concept of well-being is an intermediate definition between the possibly selfish definition of happiness and the social oriented behavior of persons that are oriented to eudaimonia. In effect well-being is based either on characteristics that are individual in their nature, i.e. self-acceptance either on elements that can be considered social-oriented, i.e. developing good relationships with others.

<u>Eudaimonia</u>. The old greek idea of eudaimonia, that has been developed in Aristotelian philosophy, is completely compatible with the development of social and political relations. On an individual point of view eudaimonia can be obtained only in practising virtue. In this definition individual and social behavior coincides. Humans can reach eudaimonia through the exercise of virtues either in the private and in the public life.

Selfish and individuali	
stic behavior	

Problem Statement (PS)	Checking	Whether Humans	Are	Happy Or	Unhappy
PS-1	House cost	Predicting	Are	Happy (1)	And not
		Multiple			Unhappy
		Humans			(0)