Abstract

Merdeka Learning Merdeka Campus (MBKM) holds a Certified Independent Study and Internship Program (MSIB) which has the aim of providing opportunities for students to develop their potential and learn through activities that exist with partners or companies that work with this program, which can later be changed as part of the course. One of the partners or companies collaborating with the program is Orbit Future Academy. Subsidiary PT. Orbit Ventura Academy was founded with the aim of improving the quality of life through innovation, education, and skills training. Especially for students to introduce more deeply about technology and Artificial Intelligence with the AI for Mastery Program. Independent Study Activities study Artificial Intelligence components such as Natural Language Processing (NLP), Data Science (DS), Reinforencement Learning (RL), and Computer Vision (CV). This program activity is carried out online in approximately five months. At the end of this Independent Study program, participants are asked to work on a final project to create an AI application that is useful everyday. This final project can be done in groups, the final project assessment is the biggest focus because it is a graduation requirement. The final project is entitled "Multiclass Classification of Alzheimer's Disease for Early Diagnosis Based On MRI Images of Brain". This final project focuses on Deep Learning CNN.

Keywords: Independent Study, Orbit Future Academy, Artificial Intelligence (AI), Final Project, Deep Learning, CNN.