

Deep Learning for Plastic Waste Classification System

the amount of waste produced and placed in the surroundings should include recycling raw materials, minimizing waste production from end to end, the use of modern low-waste or nonwaste technologies, and replacing traditionally used raw materials [2]. The target system for solving the problem of production waste polluting the natural environment is low and waste-free technologies. Nonwaste technology (NWT) is based on preventing waste and full comprehensive use of the raw material. It involves a number of technological processes that lead to total management and, consequently, the elimination of pollution without harmful effects on the environment. The condition here is that waste should not be deposited. The implementation of NWT has its economic justification, because the full use of materials and, consequently, the reduction of the amount of waste, allows for increased production and allows for the reduction of imports of raw materials. In some cases, it is also possible to reduce the consumption of electricity, heat, or technology by reducing energy-consuming waste

