Project Design Phase-I

Proposed Solution Template

Date	20May2023
Team ID	NM2023TMID13115
Project Name	Automated weather classification using transfer learning

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
• •	Problem Statement (Problem to be solved)	Weather recognition is a common problem for many branches of industry. Modern agriculture is also based on the analysis of current meteorological conditions. One of the solutions may be a system detecting weather from image. Because any special sensors are needed, the system should be really cheap.
• •	Idea / Solution description	Weather detection using image
• •	Novelty / Uniqueness	Next-generation radar systems (dual-polarization radar, phased-array radar)
• •	Social Impact / Customer Satisfaction	considers the vulnerability of people and property to the weather and warns of the associated impacts, as well as the likelihood of them occurring.
• •	Business Model (Revenue Model)	A B2C business where data is supplied free and revenue is from advertising, a B2B business where weather data and related insight are delivered to organisations and a bespoke business.

		Scalability of the Solution	Global efforts to bring about crucial improvements in supercomputing efficiency and energy usage were placed center stage this week as the European Centre for Medium-Range Weather Forecasts (ECMWF) welcomed users and vendors from around the world to London for the Cray
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