**Project Design Phase-I**

**Proposed Solution Template**

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| --- | --- |
| Date | 17 May 2023 |
| Team ID | NM2023TMID07744 |
| Project Name | Automated weather classification using transfer learning |

**Proposed Solution Template:**

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

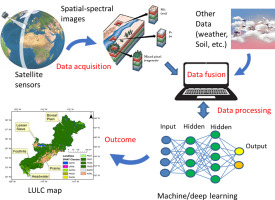
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| **S. No** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | Users can get too busy at work or at home to check the current weather condition for server weather |
|  | Idea / Solution description | It is an essential tool for meteorologist and weather patterns and communicate them to them public |
|  | Novelty / Uniqueness | It is possible to create image classification solutions using a small data set |
|  | Social Impact / Customer Satisfaction | Used for environmental monitoring, weather forecasting and the assessment of environmental quality.  Different weather phenomena have diverse effects on agriculture |
|  | Business Model (Revenue Model) | Accurately distinguishing weather phenomena can improve agricultural planning |
|  | Scalability of the Solution | Most common technique to achieve better performance in many areas, especially in image analysis and classification |

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**Solution Architecture**

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**Solution Architecture Diagram:**

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