1. Goals and Scope

Defined goals provide primary objectives for the project and help define the scope. The following two sections specify this project’s prioritised goals and a series non-goals with

explanations, in order to clarify scope, direction and intentions of the project.

* 1. Goals

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| # | Goal | Priority |
|  | Provides timely alerts to stakeholders about impending drought conditions to allow for proactive measures. | P1 |
|  | Evaluates potential risks of drought in various sectors, such as agriculture and water resources. | P1 |
|  | Assists farmers in making informed decisions with regards to crop selection, irrigation practices, and land management. | P1 |
|  | Facilitates water management strategies to mitigate drought effects on water supplies. | P1 |
|  | Improves forecasting capabilities | P1 |
|  | Implements strategies that adapt to changing climatic conditions | P2 |
|  | Ensures that vulnerable populations receive adequate support and assistance during droughts | P3 |
|  |  |  |

* 1. Non-gaols

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| # | Non-Goal | Reasoning |
|  | Weather forecasting | While the system may use weather data as inputs, its primary focus is on long-term trends and impacts rather than short-term weather predictions |
|  | Climate change mitigation | Since the system contributes to understanding the impact climate change has on drought frequency and intensity, its primary goal is to monitor and predict drought conditions rather than directly mitigate climate change. |
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