



**POLITECNICO**  
**MILANO 1863**

**DREAM**

Data-driven Predictive Farming in Telengana

**RASD**

Requirement Analysis and Specification Document

Version 1.0 - 29/11/2021

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# Table of Contents

<b>1. Introduction</b>	<b>4</b>
1.1. Purpose	4
1.1.1. Goals	4
1.2. Scope	
1.2.1. World Phenomena	
1.2.2. Shared Phenomena	
1.3. Definitions, Acronyms and Abbreviations	
1.3.1. Definitions	
1.3.2. Acronyms	
1.3.3. Abbreviations	
1.4. Revision history	
1.5. Reference Documents	
1.6. Document Structure	
<b>2. Overall Description</b>	
2.1. Product perspective	
2.2. Product functions	
2.3. User characteristics	
2.4. Assumptions, dependencies and constraints	
<b>3. Specific Requirements</b>	
3.1. External Interface Requirements	
3.1.1. User Interfaces	
3.1.2. Hardware Interfaces	
3.1.3. Software Interfaces	
3.1.4. Communication Interfaces	
3.2. Functional Requirements	
3.3. Performance Requirements	
3.4. Design Constraints	
3.4.1. Standards compliance	
3.4.2. Hardware limitations	
3.4.3. Any other constraint	
3.5. Software System Attributes	
3.5.1. Reliability	
3.5.2. Availability	
3.5.3. Security	
3.5.4. Maintainability	
3.5.5. Portability	
<b>4. Formal Analysis Using Alloy</b>	
<b>5. Effort Spent</b>	

## 6. References

# 1. Introduction

## 1.1. Purpose

One of the most important sectors in each countries' economy is agriculture. Thus, the governments should keep it alive. On the other hand, many issues such as global warming, population increase and COVID-19 pandemic may have negative impacts on this vital sector. Scientists have predicted a significant loss in food supply by the end of century.

It was like a warning to the Telengna's government to come up with the idea of a DREAM. This idea is about designing and implementing a system which can prevent the mentioned disaster with the help of stakeholders, policy makers, farmers, market analysts, agronomists and even normal citizens.

### 1.1.1. Goals

Goals	Description
G1	Allow policy makers to identify farmers who are performing well.
G2	Allow policy makers to identify farmers who need help.
G3	Allow policy makers to see the result of the steering initiatives.
G4	Allow farmers to see weather forecast.
G5	Allow farmers to see humidity of soil.
G6	Allow farmers to see suggestions relating to specific crop to plan or specific fertilizer to use.
G7	Allow farmers to insert their type of products and produced amount per product.
G8	Allow farmers to insert their problems.
G9	Allow farmers to request for help and suggestion.
G10	Allow farmers to create discussion forums.

## 1.2. Scope