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| **Item name** | CRS – Customer requirement specification |
| **Project** | IOT Prototype |
| **Owner** | CoreTech team |
| **Document Status** | Draft |

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| --- | --- | --- |
| **Document change history** | | |
| **Release** | **Changed by** | **Description** |
| 1.0 | Binh Le | Initial version |
| 1.1 | Binh Le | End user requirement – First round |
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1. **Introduction and functional overview**

This is customer requirement for IOT prototype , focus on smart farm use case.

In this, the prototype can monitor environment, report/notice information to user , automatically watering, heating, etc

1. **Acronyms and Abbreviations**

**N.A**

1. **Constraints and assumptions**

N.A

1. **Functional specification**

* **Object:** Orchids ( in house)

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Fig 1. Orchids

* **End user requirement:**

1. *When the humidity drops below/over threshold (1) of my Orchids, the system can notify me every time, everywhere (mobile or web….)*
2. *When the humidity drops below/over threshold of my Orchids, the system can auto heating/watering to keep the humidity in normal range (5% tolerance is acceptable)*
3. *The system can predict by when my Orchids blooms*
4. *I also need a current price of Orchids*
5. *I can schedule the system manually for watering /heating*
6. *I need the system shall be small enough since my house space is very limited, best is as small as possible, easy to move and setup also.*
7. *The system can save my resource like electric, water as much as possible*
8. *It must be safety, can auto cut off in case of overheating / short-circuit*

**Note:**

1. *Lower threshold: 30%/ Upper Threshold: 60%*
2. **Misc**