PROJECT DOCUMENTATION

**PROJECT APPROACH**

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# 1 Project Approach History

## 1.1 Document Location

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The source of the document will be found on the project's PC in location

## 1.2 Revision History

**Date of this revision:**

**Date of Next revision:**

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| --- | --- | --- | --- |
| **Revision date** | **Previous revision date** | **Summary of Changes** | **Changes marked** |
|  |  | First issue |  |

## 1.3 Approvals

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# Project Approach

## 3 Purpose

Chandrika Agri Center is currently an emerging manufacturer & provider of fertilizer in Sri Lanka, which is a stern pillar in building the economic infrastructure of any country. Currently as it stands, in 2019, the company consists of several segmented processes handled by about 25 employees and a corporate team for the administrative task performances.

With the budding of the company and upscaling being prominent at the time of concern, the management sector pertinent to performing administrative functions is in need of a control system in place to avoid complications and efficiency compromises that are potentially viable for any emerging company.

The team led by the Project Manager, directed by the Project Executive has stepped up to provide a software solution that would enable Chandrika Agri Center to operate within company premises to manage internal issues that directly correlate to the production, overall efficiency and profitability.

The system will be implemented in an environment of experienced employees in the field of agricultural advancements. Knowledge of their own expertise will be heavily induced in the deliverables produced.

## 4 Project Approach Description

The established project approach is based on a software solution which manages company partitions and overlooks them. The discussed software solution, CAC Management System is being implemented on the System Development Life Cycle of Prototyping with overall project management being directed according to Prince2 and PMBOK methodologies.

In realizing the deliverables, a team of five members are appointed for the project scope. This includes the Project Manager, Technical Writer, Developers and a Quality Assurer. The team will follow a clear schedule of tasks and milestones to achieve the completion of CAC Management System. The final deliverable software solution should be capable of handling management functions and reporting functions seamlessly and with fewer complexities as possible.

The team will communicate regularly with stakeholders/ interested parties in the process of revealing a desirable final artefact in the eyes of the client. Proper documentation and meeting minutes will hold key points in milestone achievement verifications.

## 5 Type of Solution

1. The intended solution is a technology based implementation, a software solution; CAC Management System. The system is made of scratch owing to the lack of pre-used software based management systems in the possession of the client. The artefact will consist of simple user interfaces but versatile functionality. The final implementation of the application would be ideal in being maintained by the existing company staff after a slight learning curve.

## 6 Reasons for the Approach

There exists multiple reasons behind several segments of the selected approach and they are discussed in detail below.

The project is carried out according to the Prototyping system development life cycle owing to the fact that continuous improvements are tangibly witnessed before the final delivery for inspection by the client. This ensures that the mutual understanding between the project team and the client resonates within each stage of the project and that an unsatisfactory, irrelevant deliverable is not produced. Furthermore, the product breakdown ensures five sub systems within CAC Management System and all of them are to be developed simultaneously for a compiled prototyping effort.

The project will be overlooked by the Project Board, including the Project Executive to guide the team in following appropriate development and project management tools such as Prince2 and PMBOK.

The project delivery team consists of five members since the scope of the project is suitable for the potential effort per member. The primary roles assigned are with respects to managing the team for overall functionality as a unit, documenting to ensure clear communication between stakeholders, developing a good software solution as the deliverable and to make sure delivered products adhere to a certain level of quality assurance. The team consists of two primary developers to aid the required system development while each other role is assigned to a single individual while everyone cohesively attends to each task at hand.

The solution was deemed necessary to have a simple user interface design as well as simple comprehensive functionality within each sub system. This was backed up by the reason of company staff not being exposed to technology related management or any software solution previously. Therefore the system is also being made from scratch to avoid a painfully long learning curve for the future employees related to handling the system. Meanwhile the simplicity would also provide the company of not needing a separate IT staff but would only require the necessity of training the existing documentation related staff.

Overall the approach for the solution would benefit the company by yielding the best potential return of investment.