|  |  |  |
| --- | --- | --- |
| nscl.PNG | National Superconducting Cyclotron Laboratory | msu.png |

Project Charter

|  |  |
| --- | --- |
|  |  |
| Project Name | Formal Software Engineering Processes |
| Project Code | FSEP |
| Account |  |
| Department | EE |
| Project Manager |  |
|  |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Name | Signature | Date |
| Prepared By |  |  |  |
| Reviewed By |  |  |  |
| Approved By |  |  |  |

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Author | Description |
| 1.0 | 7/13/2009 |  | Initial version |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Table of Contents

[1 Project Name 4](#_Toc235521904)

[2 Authorities 4](#_Toc235521905)

[2.1 Initiating Authority 4](#_Toc235521906)

[2.2 Project Manager 4](#_Toc235521907)

[3 Business Need 4](#_Toc235521908)

[4 Project Description 4](#_Toc235521909)

[4.1 Product/Service Characteristics 4](#_Toc235521910)

[4.2 Project Relationship to Business Need 4](#_Toc235521911)

[5 Constraints 4](#_Toc235521912)

[6 Assumptions 5](#_Toc235521913)

[7 Approval 5](#_Toc235521914)

# Project Name

Formal Software Engineering Processes

# Authorities

## Initiating Authority

John Vincent, Department Head, Electronics Department

## Project Manager

Vasu Vuppala is authorized as the project manager for this project and will be the primary point of contact. Vasu V is responsible for meeting all key milestones within the time, cost, and performance constraints of this project. Furthermore, Vasu V has the authority to apply organizational resources to accomplish the goals of this project.

# Business Need

At NSCL, software is being developed without the required Software Engineering rigor. This development methodology will not be sustainable with the envisioned growth at NSCL. This project will bring the required discipline and transparency to the software development lifecycle.

# Project Description

## Product/Service Characteristics

The project will evaluate the current development processes, choose a suitable process model, and then define and implement the processes. This will include developing the artifacts (templates etc), recommending the relevant tools, and evaluating the improvement in the capability. The goal of the project is to achieve at least CMMI Level 3 or equivalent rating for the organization.

## Project Relationship to Business Need

This initiative will provide transparency into the software development and maintenance practices. It will improve quality and reduce downtime due to software defects.

# Constraints

* The project must be completed on or before December 31, 2009.
* The project must be completed within the budget, $xxxx.

# Assumptions

* The project does not include the development of any tools.
* The processes and any certifications are limited to the EE department; the other department may adopt the processes for their needs.

# Approval

|  |  |  |
| --- | --- | --- |
|  | | |
|  |  | July 13, 2009 |
| John Vincent, Department Head | Date Signed |