



**NIROG-Plus Electronic Medical Record System Application  
For  
Health and Education for All  
(HAEFA)**

**Project Management Plan**

Date: 22-March-2023

Version: 0.1



### Amendment Record Sheet

Sl. No	Date	Amendment	Prepared By	Approved By	Ver. No.
1	22-March 2023	Initial draft of <b>NIROG-Plus Electronic Medical Record System Application</b> for Demo Release	AHM Mashiuzzaman		0.1



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## 1. Introduction

**NIROG-Plus Electronic Medical Record System Application** is a web based software where HAEFA can collect their patient data track record for future servicing. Once the patient history is enrolled in the system. In future reference Doctors can find his /her earlier record and prescribe them easily and the data will be recorded.

The Project Management Plan provides details on Processes to develop of **NIROG-Plus Electronic Medical Record System Application** project. This document will be reviewed and approved by Project Director or Project Manager. The Project Management Plan will be reviewed based on changes in the Quality goal values or based on changes to scope of the project, Performance of the project Lessons learnt.

## 2. Project Overview

### 2.1 NIROG-Plus Electronic Medical Record System Application Development

API will develop the complete project with dedication and within the time bound.

#### *Scope of the Project:*

The scope of the project included the functionalities/features document refer to NIROG-Plus Electronic Medical Record System Application \_V0.1”

#### **List of Deliverables:**

1. **NIROG-Plus React Application**  
This section includes the functional requirements that specify all the fundamental actions of Android Mobile Application.
2. **NIROG-Plus API**  
This section includes all the API's required for the react application
3. **Admin Application & Report**  
All the relevant necessary functions will be included.
4. **Documentation -**
  - 4.1 **Release Note** – Release note will be delivered after every release of development
  - 4.2 **User Guide** – How to operate all the interfaces
  - 4.3 **Network diagram** – How system communicate with server

### 2.2 Project Details

Customer Name	Health and Education for All (HAEFA)	Accountable	Mr. Monjur Iqbal
Project Code	NIROG- PLUS	Project Name	NIROG-Plus Electronic Medical



			Record System Application
Project start date	22-March-2023	Expected End Date	31 July 2023
Team size	8	Vertical/Group	API
Domain	Local Server/APP	Technology	PHP(Laravel), Laravel Lumen, React, MS SQL
Methodology	Agile	PM Tools	Asana

### 3. Roles & Responsibilities and Team Plan

		PD(CTO Md Rubel)		
		PM(AHMMashiuzzaman)		
Fontend Developer	Backend Developer	DevOps	QA Engineer	Designer
Roktim	Masud (TL)	Sabbir	Tanim	Jiaur
Mamun	Shobuj			
	Azad			

#### 3.1 Roles & Responsibilities

##### Staff Responsibilities / Relevant Stakeholders

Various stakeholders involved and their responsibilities for carrying out various project's activities are indicated in the table below using the notations explained. The relevant stakeholders for each activity are those whose responsibilities are indicated as R, P or I.

R – Responsible (i.e., immediate superior of the person who performs core activity),

P – Primary (i.e., person who performs core activity),

I - Involvement (i.e., involved in reviews or other supporting activities),

X - Not Applicable (i.e., no association with the task/ activity being performed).

Project Tasks/Activities	PD	PM	TL	QA	Developers
Requirement management	R	P	X	X	X
Project Planning	R	P	X	X	X
Project Monitoring & Control	R	P	I	X	X
Reviews / Peer Reviews	I	R	I	I	X
System Design	R/P	X	X	X	X
Coding	I	R	P	X	P
Unit / Module / Integration / System Testing	X	X	X	R	X
Release & Design transfer	R	R	X	X	X

### 3.2 Project Development Plan:

1	Project size	318 Man-Days (2550 Man-Hours)
2	Start Date	22 March 2023
3	End Date	5th July 2023
4	Team	CTO, PM, Software Engineers, SQA

### 3.3 Team plan:

Roles	Name	involvement (in %)	Man Hours
Project Direction	MD Rubel	40%	192
Project Management	AHM Mashiuzzaman	60%	288
TL	Masud	40%	192
Developer	Azad, Roktim, Shobuj	100%	1440
Devops	Sabbir	30%	144
QA Team	Tanim	50%	240
Designer	Jiaur	10%	48
Total Man Hours			2544

Project planning and Technical Documentation -

**4.1 Software Requirement Specification document** – This document will be prepared by discussing with the assigned product manager or top management of API Limited.

**4.2 Project Plan Document** – Will contain Detail project detail, scope of work, technical specifications and design

**4.3 Change Request Document** - To capture new enhancements, the change request document will be managed and shared with all the stakeholders. Any new requirement will be taken up via this Change request route using this document.

**4.4 Release Note** – Release note will be delivered after every release of development

**4.5 HLD (High Level Design)** – For work flow

**4.6 LLD (Low Level Design)** – System Design

**4.7 Data Flow Diagram** – User Journey

**4.8 ERD** – Entity Relational Diagram

**4.9 API Specification** – API request, endpoint, response

**4.10 Coding Convention** – Release note will be delivered after every release of development

**5.11 Test Plan** – Test plan to track a Requirement UAT report

**5.12 Project Tracker** – Full project status update

**5.13 Risk Tracker** - To provide a systematic approach for:

- Identifying and assessing risks at project level
- Determining cost-effective risk reduction actions and
- Monitoring and reporting progress in reducing risk
- Reporting risks at the appropriate level

# Please refer to **NIROG-Plus Electronic Medical Record System Application -23032023- Risk Tracker\_V0.1.xlsx**

## 4. Environment and Resource Needs

### 4.1 Hardware Resources

Sl.no	Description/Model	Typical configuration.	Qty	Required Date		Remarks
				From	To	
1	Dedicated Local Server	Windows/Linux	1	1st-April-2023	Continue	Development
2	Tab	Good Quality	20	As on Required	Continue	Operation
3	Laptop/Desktop	Good Quality	10	As on required	Continue	Operation
5	Router	Good Quality	Per Zon-1	As on Required	Continue	Operation
	Monitor HP 22inch	Good Quality	1	As on Required	Continue	Operation

### 4.2 Software Resources

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Sl.no	Software/tools	Version	Vendor	No of Licenses	Remarks
1	PHP OOP	8.1	Laravel,	NA	Open Source Framework
2	PHP API	8.1	Laravel Lumen	NA	Open Source Framework
3	React	18	React	NA	Open Source Framework
5	MS SQL	2015	Microsoft	NA	Express Version

## 5. Project Budget

#	Particulars	Cost type	Amount(BDT)
1	Resource Development	One Time	12,15,435
2	Project Management Tools Purchase	One Time	4000
3	Transportation and Communication	One Time	46000
4	React Outsourcing	100 Hours	50,000
Grand Total			13,15,435

### 5.1 Testing Related activities

The test plan is available in a separate document. Document Reference “**NIROG-Plus Electronic Medical Record System Application - 200223-Test Plan\_V0.1.doc**”

## 6. Task Distribution and Monitoring

We will manage task distribution and monitoring in a excel sheet please refer to “**NIROG-Plus Electronic Medical Record System Application - 180423 -Task Tracker.xlsx**”

## 7. Project Reporting and Process Plan

Hybrid software development process will be followed. Team will do every day status meeting, PM will share weekly project status with top management. Weekly/bi-weekly meeting/conference will be done with the product manager and development team.

Please refer to “**NIROG-Plus Electronic Medical Record System Application - 200523 - Project Status Report\_1.docx**”



## 7.1 Deliverables

#	Phase	Deliverables	Source of Capture	Delivery Schedule
1	Initial	SRS		
2	Initial	Estimation Document		
3	Initial	Mockup Screens/design document/demo		
4	Initial	Low level design document		
5	Initial	Decision Analysis Report (DAR) document following Weighted methodology		
6	Initial	Coding convention specification		
7	Initial	Technical development Specification(Application Architecture, Server Architecture, ERD etc)		
8	Initial	Test plans Document		
9	Initial	Risk Management document		
10	Development	Project/Task Tracker Document		
11	Development	Code, Review Comments		
12	Development	QA Test report document		
13	Development	Code, Deployment		
14	UAT	Feedback Report		
15	UAT	Bug fixing report		
16	Delivery	Release Note		
17	Closing			

