



*ESTABLISHING ONLINE MONITORING SOFTWARE OF DEECCS PERFORMANCE*

# **PROJECT COMPLETION REPORT**

---

**Date:** *July 2014*

Young Minds Creation (P) Ltd

Young Minds Tower, Prayag Marg, Shanti Nagar, Kathmandu, Nepal

T: 01-4115132, E: [info@youngminds.com.np](mailto:info@youngminds.com.np)

## Table of Contents

1	General Project Information .....	1
2	Project Description: .....	1
3	Some Screenshots of Completed Projects.....	4
4	Overall Approach.....	7
5	Recommendation: .....	9
6	Summary.....	10
7	Information Distribution & Archive .....	10

## 1 GENERAL PROJECT INFORMATION

	Description
<b>Project Name</b>	Establishing Online Monitoring Software of DEECCs Performance
<b>Project Description</b>	
<b>Project URL</b>	
<b>Company</b>	Young Minds Creation Pvt. Ltd.
<b>Managing Director</b>	Mr. Shreedhar Marasini
<b>Project Manager</b>	Mr. Abhijit Gupta

	Baseline
<b>Start Date</b>	20 <sup>th</sup> Jun 2014
<b>Finish Date</b>	8 <sup>th</sup> July, 2014

## 2 PROJECT DESCRIPTION :

The system has been developed having following features as mentioned in TOR:

- Each user has their own dashboard. Where they can see Graph showing general overview of budget and communication message among the different subcomponents, District , admin(outreach) and management.
- What District user can do?
  - Can login into the system.
  - See dashboard with message .
  - Can view the budget limit and physical target limit given by different subcomponents
  - Can update monthly physical progress against physical progress given by subcomponents.
  - Can create sub activity under each activity (output) and activity.
    - Define budget for each sub activity
    - Define the milestone for each sub activity.
    - Edit monthly progress and upload monthly progress files for verified sub activity by subcomponent and admin (outreach).
    - Breakdown each activity into multiple task.
  - Can view monthly, trimester and annual reports.
  - Can send message to different District, subcomponents and admin (outreach)
  - Can change their password from setting menus.
  - Add their staff.

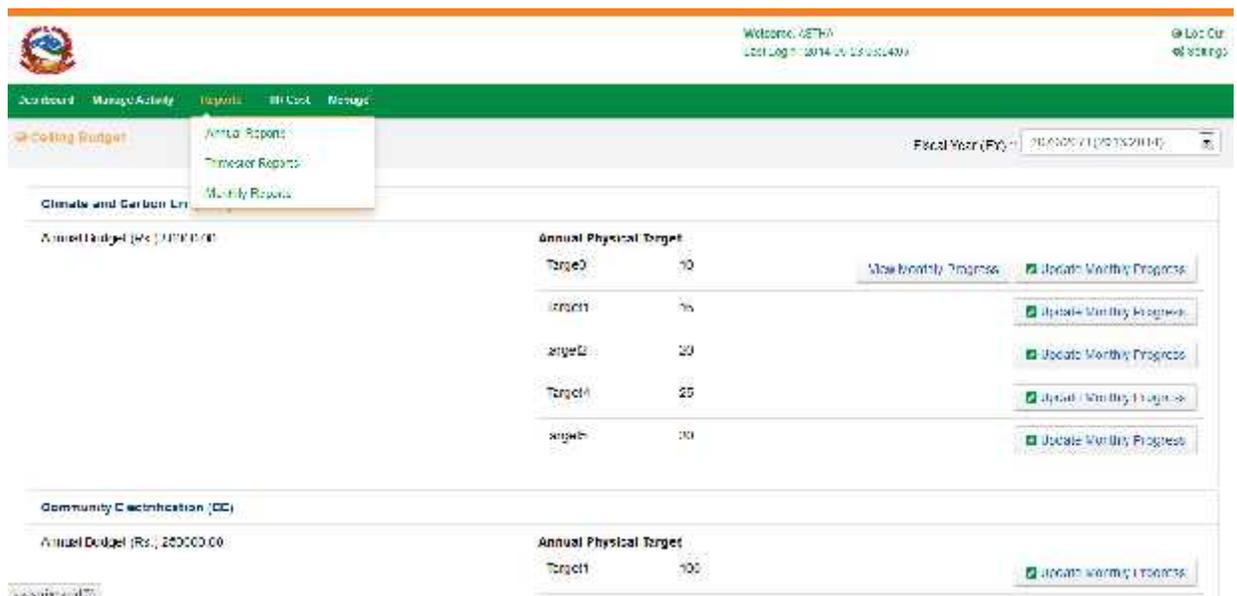
- Each staff can add their field visit log.
- What subcomponent can do?
  - Can login into the system.
  - See dashboard with message and.
  - Can define the budget limit to each district and physical target.
  - Can add activity (output) and activity related to them.
  - Can view all the activity created by district user in detail and approve/disapprove them.
  - Can view monthly, trimester and annual reports.
  - Can send message to different district, subcomponents, and admin (outreach)
  - Can change their password from setting menus.
- What admin (outreach) can do?
  - Can login into the system.
  - See dashboard with message.
  - Can add activity(output) and activity to each subcomponents
  - Can see all the sub activity that are approved by the subcomponent and verify them.
  - Can view the HR details and their field visit log of each district.
  - Can view the budget limit set by subcomponent to each District
  - Can view the physical target limit set by subcomponent to each District
  - Can view the physical progress updated by each District
  - Can create different level of users (District, subcomponent, and admin)
  - Can add fiscal year.
  - Can add units
  - Can add post of HR
  - Can view monthly, trimester and annual reports.
  - Can send message to different District, subcomponents and admin (outreach)
  - Can change their password from setting menus.

### 3 SOME SCREENSHOTS OF COMPLETED PROJECTS

#### 3.1 LOGIN PAGE



#### 3.2 CILING BUDGET



Welcome, NETHA  
Last Login: 2014-05-23 05:43:49

Dashboard | Manage Activity | Reports | All Tools | Manage

**Ciling Budget**

Annual Reports  
Trimester Reports  
Monthly Reports

Fiscal Year (FY): 2013-2014

**Climate and Carbon Ltd**

Annual Budget (Rs.) 1000000

Annual Physical Target			
Target0	10	<a href="#">View Monthly Progress</a>	<a href="#">Update Monthly Progress</a>
Target1	15	<a href="#">Update Monthly Progress</a>	
Target2	20	<a href="#">Update Monthly Progress</a>	
Target3	25	<a href="#">Update Monthly Progress</a>	
Target4	30	<a href="#">Update Monthly Progress</a>	

**Community Electrification (CC)**

Annual Budget (Rs.) 2000000

Annual Physical Target			
Target1	100	<a href="#">Update Monthly Progress</a>	

Unauthorized



## 4 OVERALL APPROACH

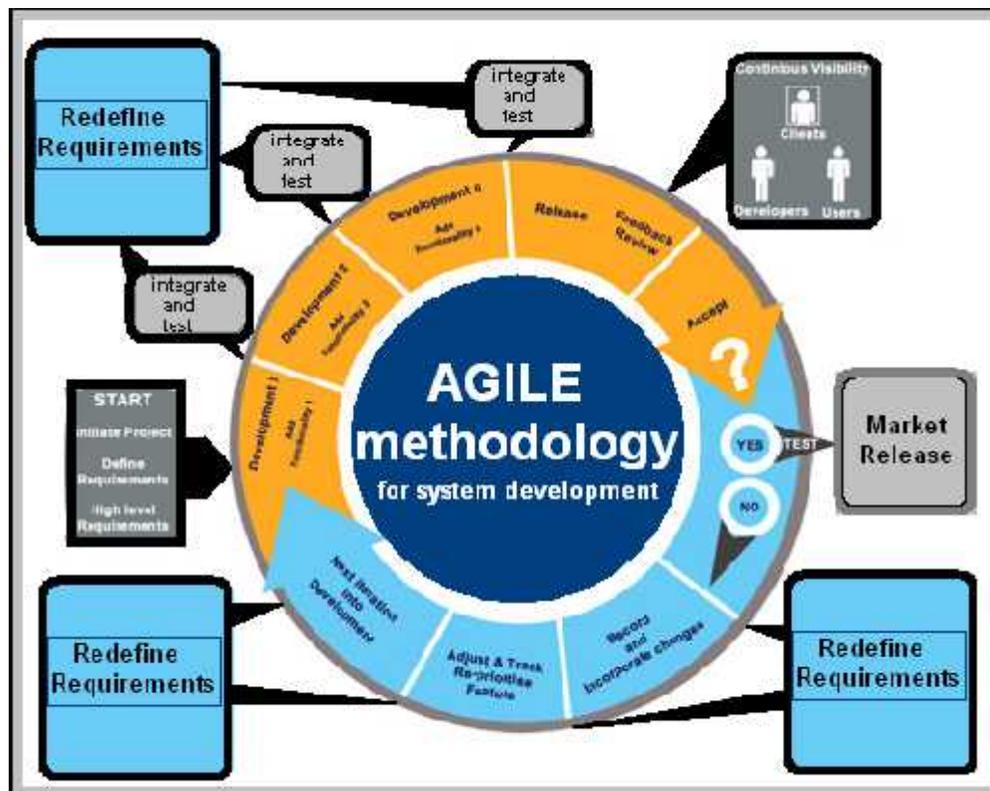
Agile methodology: in most of the cases, the requirements cannot be made 100% clear upfront. Hence, we also follow agile approach in our development to help us in achieving the goal.

**We follow this approach to succeed the project:**

1. Project intake – we define the core functionality and the scope of the project.
2. Project kickoff –we analyze the most important features and prioritize them together with the client. The tasks are broken down and arranged into sprints.
3. Project implementation –daily SCRUM meetings measure the progress and detect the issues that are blocking the team. Clients receive progress status reports on regular basis. At the end of the sprint we deploy the solution for client’s review and approval.

### PROJECT DEPLOYMENT –

We usually present the result of our work to the customer at the end of each sprint.



*Fig: Agile Methodology*

Agile software development is a model for development of information technology systems based on iterative and incremental development, based on feedback from the clients. It is an iterative approach to software delivery that builds software incrementally from the start of the project, instead of trying to deliver it all at once near the end.

We follow the below principles of agile software development methodology:

- Our highest priority is to satisfy the customer through early and continuous delivery of valuable software.
- We ensure the project requirements are discussed with all stake holders and business rules are recorded correctly.
- Deliver working software frequently, from a couple of weeks to a couple of months, with a preference to the shorter timescale.
- Business people and developers will work together daily throughout the project.
- Build projects around motivated individuals. Give them the environment and support they need, and trust them to get the job done.
- The most efficient and effective method of conveying information to and within a development team is face-to-face conversation.
- Working software is the primary measure of progress.
- Agile processes promote sustainable development. The sponsors, developers, and users should be able to maintain a constant pace indefinitely.
- Continuous attention to technical excellence and good design will be focused to enhance agility.
- The best architectures, requirements, and designs emerge from self-organizing teams.

**At regular intervals, the team reflects on how to become more effective, then tunes and adjusts its behavior accordingly.**

Our philosophy is to create long-term results based on the strongest possible foundations by gaining the best understanding of client's business needs.



### **Dedicated to our clients**

We prefer to invest a significant proportion of time early on in a project to get to know our client better. We believe our chance of satisfying our customer will be higher once we fully understand the client's business before we start designing what we will develop for them.

### **Understanding the clients' business needs**

Our experience shows that a request we get from a client seldom guarantees him getting the solution for his real problem. Knowing that, we focus on the problem definition first by talking a lot with the client. Our aim is to "feel" what the client feels so that we can give the best possible advice and create the best possible solution; a long-term solution.

### **Emphasis on clearly specifying client's needs**

We begin every software development project with a very high standard of functional and technical specification. We design so called 'use cases' in close cooperation with our clients in order to show the workflow in use and then translate those use cases into a functional specification for a higher level of confidence in accuracy. Once the specification is approved the development team can get to work - and we will frequently ask the client for some input during the development process in order to guarantee we completely deliver on their wishes.

### **We use Agile Methodology**

In the area of project management we have adopted agile methodology and we rely on SCRUM in the software delivery. This new approach requires the client to be involved in the whole project development cycle from the very outset. As a result, it minimizes the risk of exceeding the budget and not meeting the deadlines. The client is more in control and can easily influence the end result. Agile method increases the chances of the solution meeting clients' expectations since any potential issues related to the project are detected at the very early stage.

## 5 RECOMMENDATION:

The current system has been developed according to TOR but while developing the system we have found many features are not included in this version. We have received many requirements from the end user while doing the acceptance testing. The software will be solid and bug free after continues improvement on it. While doing the acceptance testing we have found many requirements which are required to be addressed into the next phase. The solid software can be developed once the end user operate the system and input the real data. It will be difficult to include the all features and functionality to develop in single phase so we have recommended for second phase. Once we implement the first phase we can collect the second phase requirements in briefs so that final product will be more user friendly and can fulfill the end-user requirements.

As we have already finished the project. We are now, hereby, presenting some additional proposal and requirements to enhance the existing system in second phase.

Description
<p><b>Phase-1:</b> Completed as per ToR.</p>
<p><b>Phase II:</b></p> <ul style="list-style-type: none"> <li>• Tracking the energy consumption by each VDC</li> <li>• Additional reports generation modules for component and District level user</li> </ul>

## 6 SUMMARY

The development and designing of Establishing Online Monitoring Software of DEECCSs Performance Outreach System successfully achieved in allocated time as agreed on the framework of delivering the project in two different phases.

The construction of the site meets the objective along with proper functionality and security, remaining in the framework guided by the ToR and different phases of meeting with AEPC member and focal persons.

## 7 INFORMATION DISTRIBUTION & ARCHIVE

Item	Distribution Medium
The System and its source code	CD

## Appendix A: Key Terms

The following table provides definitions for terms relevant to this document.

Term	Definition
AEPC	Alternative Energy Promotion Centre
ToR	Term Of Reference

[www.deccsmonitoring.org.np](http://www.deccsmonitoring.org.np) has been registered.