CCATS

Project Proposal

Catholic Christian Activities Tracking System (CCATS)

CASE STUDY: **Archdiocese of Kigali**

Group members

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01

INTRODUCTION

- Nowadays, knowledge and information are the most important factors in production.
- Running a church is unlike operating a corporation.
- The church **is non-profit** while the corporation **is profit-driven**.
- Churches and faith-based organizations rely on **the donations and contributions** of their members.
- Donations helps to efficiently handle **finances, resources** and **activities** as well as to effectively **manage their memberships**.
- **Church** and **technology** seems an **unlikely pair**.
- The fact is that **churches and religious organizations have been slow** in **adopting new technology**.
- CCATS will assist church members and leaders **in organizing various activities** carried out by church.
- The application will also make it easier for **sharing the gospel, participating in charitable activities**, and so on, all of which will help the church **develop spiritually and divinely.**

02

Problem statement

- Currently, churches in Rwanda uses Manual system in registering members, tithes, visitors, announcements and events.
- The only way of communication is through Sunday announcements and through community leaders. What if you didn't attended Sunday masses?
- Reporting different activities of several members in the church is not an easy task.
- High level of redundancy of same Christians in different books.
- Finding Christians record is tough task due to searching in many books.
- Current system consumes time to the people who are in charge of generating the report or making baptism form, supervision and controlling activities.
- Churches are not profit motivated, community representatives spend their time mobilizing Christians yet they are not paid.
- High level of bureaucracy.

03

General Objectives

- To develop a computerized system that will facilitate Catholic Church to manage Christian activities such as offerings, giving, tithes and their respective associations in order to attain best management of Membership of catholic church and church members.
- To arrange daily activities that took place within the church and make report to the elders and from the elders to the community (Umuryangoremezo), sub-parish (Santarari), the parish (Paruwase) to the diocese.

04

Specific Objectives

- To design, develop and implement the system that will monitor Members of Catholic Church.
- To test, maintain, validate, implement and evaluate new computerized Catholic Christian Activities tracking System.
- To record each action performed in the system.
- To design Giving's /Tithes functionality through the system.
- To design and develop responsive graphical user interface of the system which is appropriate for users.
- To Reduce many files and paperwork in offices.
- To reduce redundancy of data.
- To maintain information on computer files to be updated as change occurs.
- Notifying Christian and church leaders once payment is done.

05

CCATS Scope

- Catholic church membership system will be limited to the following functionalities: tithe, offerings, Visitors, system users, main events, announcements, transferring Christian from one parish to another, system and user logs for all participant of catholic church in Rwanda.
- Due to limited time, above functionalities will be Web and mobile based system.

06

Literature review

- The Catholic Church in Rwanda is part of the worldwide Catholic Church.
- There are just over five million Catholics in Rwanda, about half of the total population.
- The Rwandan government reported in 2012 that 43% of the Rwanda's population is Catholic.
- Given the fact that, over half of the Rwandan population is Catholic, you cannot ignore their influence. In education, they dominate the 12 years of basic education in primary, middle and high schools. Their schools have played a key role in educating many young Rwandans.
- In today’s Rwanda, they work with the government quite well. If the government has some major programs to announce to the people, they can rest assured they will find people in churches on Sundays to get their message across.

06

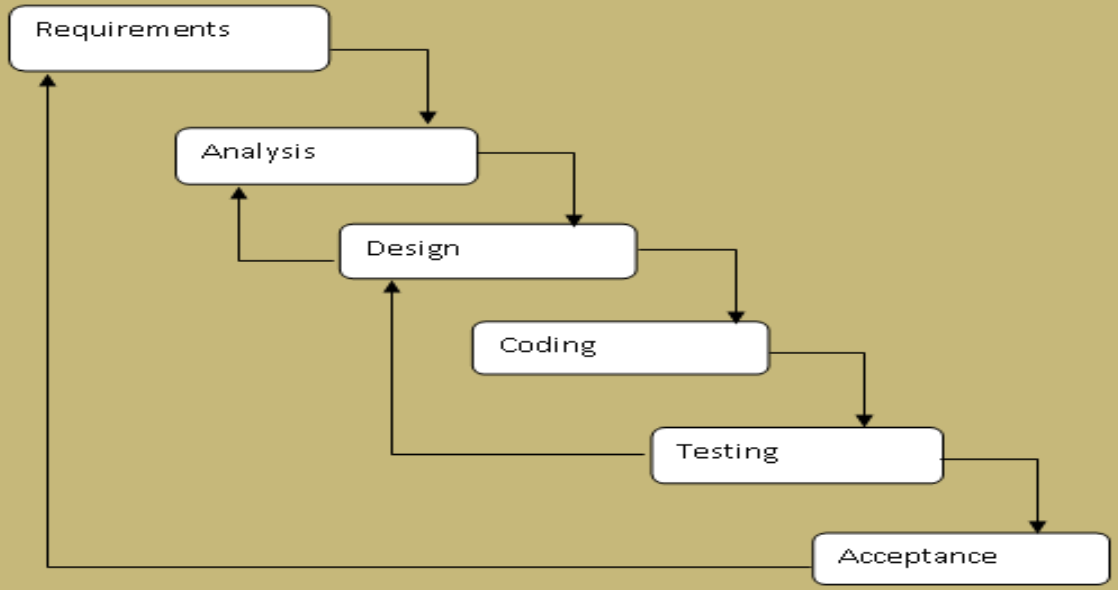
Data Collection techniques

We used the following techniques to carry out fact finding on the current system:

- Interview
- Observation
- Questionnaires

07

Software Development model(Waterfall method)



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Use case diagram

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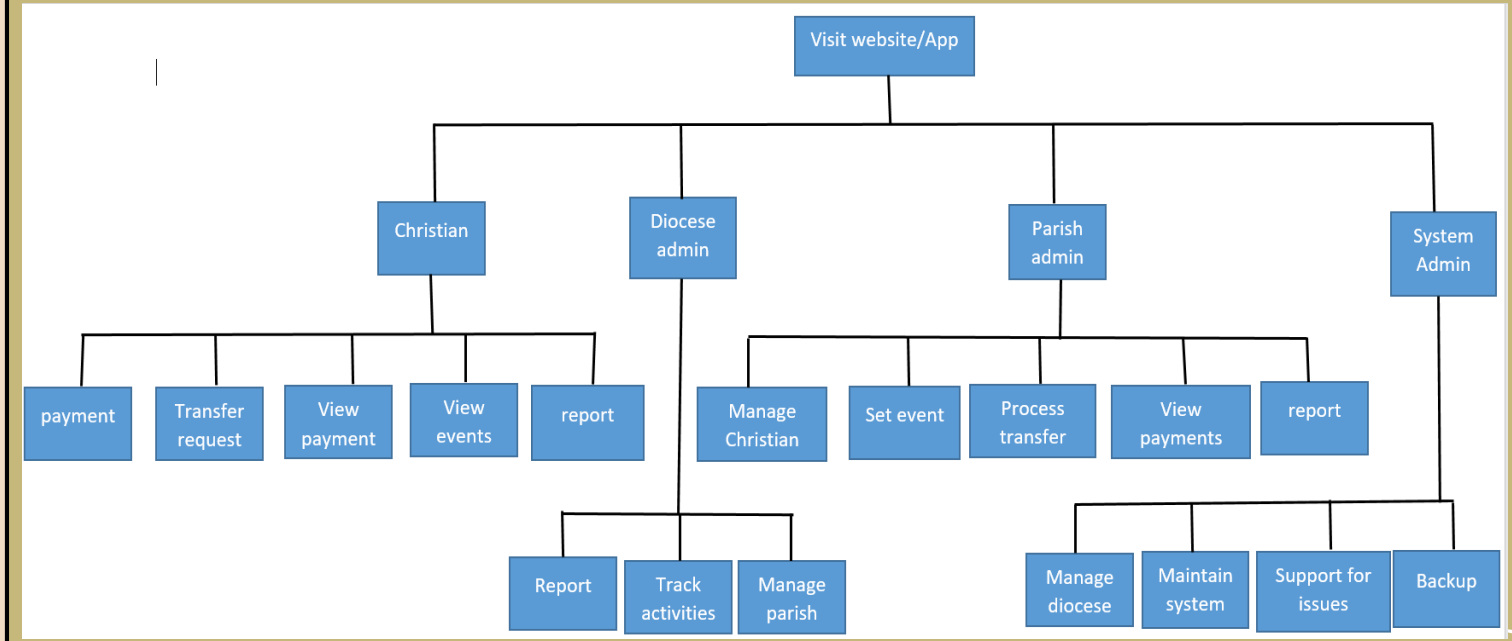
Organization of project



10 Project schedule (Gantt chart)↓

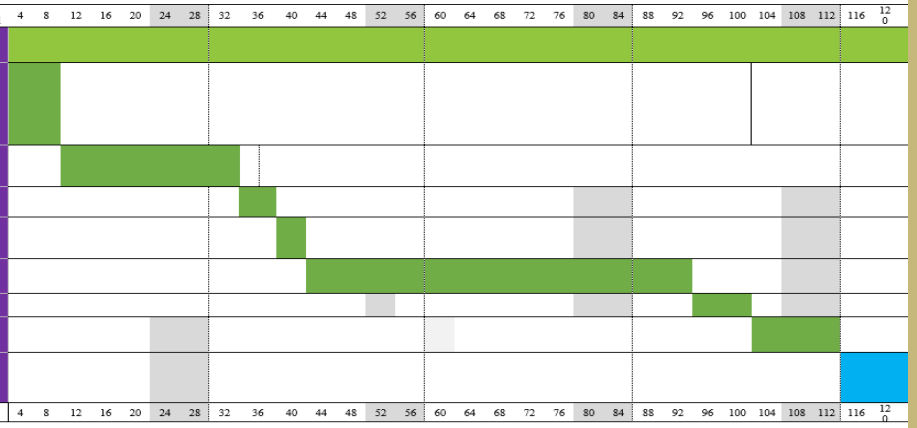
PROJECT NAME

Catholic Christian Activities Tracking System (CCATS)

PROJECT START DATE	PROJECT END DATE
02nd September,2022	02nd January, 2023

PROJECT GANTT CHART

#	Activity			Start	End
1	**Project Management**	02/09/22	02/01/23	1	120
2	Communication, requirement gathering and Presenting proposal.	02/09/22	08/09/22	1	7
3	**Prototype design**	08/09/22	01/10/22	8	31
4	Review conceptual design	02/10/22	06/10/22	32	35
5	Check compliance of all parts	07/10/22	10/10/22	36	39
6	**Coding &Testing**	11/10/22	01/12/22	40	91
7	Testing all parts	02/12/22	09/12/21	92	99
8	**Creating final project report**	10/12/22	21/12/22	100	111
9	Christmas& happy new year holidays	Holiday	Holiday	112	120



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- https://en.wikipedia.org/wiki/Catholic_Church_in_Rwanda.
- https://www.albany.edu/faculty/gangolly/acc681/fall97/ch7.html.