

20MCA245 MINI PROJECT

SYNOPSIS

Orphan Care Network

Abstract

The orphan care network is an essential web platform designed to provide support for orphaned children. The primary aim of this project is to meet the critical needs of orphaned children by providing essential resources such as stationery, unused books and food products.

Scope and Relevance :

The scope of the Orphan Care Network project is to create a structured system for collecting, organizing and distributing donations of books, food products and stationery to orphaned children, aiming to improve their quality of life and educational opportunities. Through systematic donation and distribution processes, the project aims to make a positive and sustainable impact on the lives of vulnerable children who lack adequate familial support. The relevance of orphan care networks lies in their ability to provide vulnerable children with love, support and opportunities they need to thrive despite adversity. By integrating various support services into a single platform, the network aims to provide orphaned children with the stability and support necessary for a brighter future.

Requirement Analysis :

Analysing the essential requirements are crucial for effectively planning, designing, developing and deploying an Orphan Care Network. The proposed Orphan Care Network aims to centralize and digitize orphan management processes, enhancing efficiency, transparency and delivery. Software requirements refer to the detailed descriptions of functions and capabilities that a software system must possess to meet its users needs and achieve its intended objectives. Software requirements include Operating System(Windows/ linux), web server, Programming languages and framework such as frontend languages like HTML, CSS, Javascript and backend Python(Django/Flask) or PHP. Hardware requirements refer to the specific physical components and equipment that a software system or application needs to operate effectively. The hardware requirements include Processor(intel Core i5), RAM(2 GB), Keyboard, Monitor.

Development Methodology :

Developing the Orphan Care Network will utilize an Agile development methodology ensuring the platform meets the diverse and critical needs of orphaned children effectively. Stakeholder collaboration is central to Agile methodology. In terms of tools and techniques, the project will adopt Agile frameworks such as Scrum to structure development cycles and ceremonies, including sprint planning, daily stand-ups, and sprint reviews. The Orphan Care Network project consist of modules designed to manage donations of books, stationery, and food items to orphaned children. The Donation Management module govern the collection and categorization of donations from various donors, ensuring responsibility throughout the process.

Keywords : Orphan Care, Web Platform, Agile Methodology, Scrum Framework, Sprint Review.