# Chapter 1: Introduction

## Background

Pediasite – site for babies, has an aim of providing the newly born babies with proper care through their parents. Although the parents love their babies and want them to keep safe from every possible harm, but due to illiteracy or say lack of good knowledge on proper diet their babies don’t grow healthy. In many cases most babies even die which has alarmingly increased the rate of under-five mortality rate throughout the country.

Recently considering this many NGOs and INGOs has started conducting awareness campaign and vaccination for newly born babies which has somewhat reduced the overall death rate of the babies but still the problem prevails. We believe that through our site prepared from thorough study and research, we could make the parents aware enough for their baby’s care so that they won’t have to hire babysitter which would prevent their useless expenses.

We also aim in educating the parents in the verge of having birth about the healthy habits and diet routine they should follow during the period of pregnancy which would be beneficial for their child to be born.

## Objectives

We have the following objectives for our project:

* To facilitate parents of a new born child in complications
* To aware those parents about the healthy habits and notify them about the location of the health centers
* To learn basics of web development
* For the compulsion of our semester project
  1. **Motivation and Significance**

Through one of our project team member, we came to realize the fact of disabled children being left at the orphanage by their own parents which was very inhuman. Taking this on mind we choose to develop a website which could save innocent children’s rights to live a normal life. Along with this, we want to provide knowledge to general people to follow healthy habits when it comes to their child.

At the same time we want to develop a project that will remain not only with us but benefit the whole nation. There are certain differences between those websites found on internet and that we are going to develop. Our project is going to contain rhymes and soft music which is better for children’s mental development. Starting from vaccination we are going to provide nutritional awareness also through the website. Also it contains brief information about hospitals, doctors and counselors along with some of their contact address with a view to help at the time of emergency. This kind of work has not been done in Nepal.

# Chapter 2: Existing Works

# AAP (American Academy of Pediatric) has implemented the similar work that we are planning to do. It is associated with the health of infants, children, adolescents, and young adults. This site was initiated with the aim to save the children under 5 year from death. Now it also advocates on the advanced topics like adolescence related health issues, seminars, publishes journals, online career option etc. However it lacked entertainment media like fun and games.

# Another site ‘KidsHealth’ encloses the health of parents, kids and teens. From pregnancy to child birth, vaccination as well as mental health education is provided through this site. Kids portion includes general information, illness etc. Similarly this site also provides awareness related to sexual health, disease and infection, hormonal changes and tips for job school, bullying, violence etc. This site does not provide contact address or phone number for emergency situation, doctors or counselor.

# Kid’s Health is another site for women and children health network developed after performing a survey. It involves children participation in the site itself. As this site is officially dedicated to children, it also contains fun and game portion. The sites that we went through were mainly to advocate an organization. Some of these sites do not provide the symptoms, precaution, and care to child problems. And even do not include the processes to care babies like their sleeping positions, eating habit etc.

# Chapter 3: Procedure and Methods

# We are going to follow the basic algorithm to develop this website. First of all we are going to research on the process and codes to be implemented for website. At the same time we will be collecting information from hospitals, doctors, counselors, regarding child health and children issues. Next we will be implementing the research into code and create web pages for web sites. Then, we will be connecting them together to form a website. Finally, we will check for any flaws in the website technically as well as theoretically.

# The following flowchart will help understand the procedure to be implemented

Start

Gathering Information

Learning web development

Code Implementation

Testing and Debugging

Documentation

Stop

**Fig 3.1. Flow Diagram**

# Chapter 4: System Requirement Specification

## 4.1. Software Specification

## 4.1.1. Front End Tools: GIMP, Sublime Text, Photoshop, Emacs, XAMPP

**4.1.2. Back End Tools:** MYSQL, PHP, Apache

* 1. **Hardware Requirements**

**Compatibility:** Compatible with all PCs and mobile phones

# Chapter 5: Project Planning and Scheduling

## 5.1. Gantt Chart

## The project will follow the schedule shown through Gantt chart.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Works / weeks** | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 |
| Research |  |  |  |  |  |  |  |  |  |  |
| Learning Web Development |  |  |  |  |  |  |  |  |  |  |
| Coding |  |  |  |  |  |  |  |  |  |  |
| Testing and Debugging |  |  |  |  |  |  |  |  |  |  |
| Documentation |  |  |  |  |  |  |  |  |  |  |

**Fig 5.1. Gantt Chart**

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