### A PROJECT ON

### **E ADOPTION SYSTEM**

SUBMITTED IN

PARTIAL FULFILLMENT OF THE REQUIREMENT
FOR THE COURSE OF DIPLOMA IN ADVANCED COMPUTING FROM CDAC



# SUNBEAM INSTITUTE OF INFORMATION TECHNOLOGY PUNE

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ΑT

# SUNBEAM INSTITUTE OF INFORMATION TECHNOLOGY, PUNE

# **CERTIFICATE**

This is to certify that the project work under the title 'E Adoption System' is done
by Ankit Jain, Chirag Khatkar, Gaurav Desai, Satyawan Gaje in partial fulfilment of the
requirement for award of Diploma in Advanced Computing Course.

Miss. Pradnya Nayaharkar Project Guide Mr. Yogesh Kolhe Course Coordinator

Date:

### **ACKNOWLEDGEMENT**

A project usually falls short of its expectation unless aided and guided by the right persons at the right time. We avail this opportunity to express our deep sense of gratitude towards Mr. Nitin Kudale (Center Coordinator, SIIT, Pune) and Mr. Yogesh Kolhe (Course Coordinator, SIIT, Pune). We are deeply indebted and grateful to them for their guidance, encouragement and deep concern for our project. Without their critical evaluation and suggestions at every stage of the project, this project could never have reached its present form.

Last but not the least we thank the entire faculty and the staff members of Sunbeam Institute of Information Technology, Pune for their support.

Ankit Jain, Chirag Khatkar Gaurav Desai, Satyawan Gaje PG-DAC March 22 Batch, SIIT Pune

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### 1. INTRODUCTION TO PROJECT

Earlier considered a taboo in India, adoption is now considered and spoken about freely in Indian society. The problem of orphan/ street children is acute due to urbanization and industrialization. Due to the Deaths of parents, Poor Economic conditions of the family, and several other reasons, these orphan & street children are left without care and support. These children are involved in rag picking; pickpocketing & participating in anti-social, criminal activities. Despite planned development and special provision for accelerated socio-economic development of neglected sections,

the issue of children is not properly addressed.

Therefore, we envisage mainstreaming these children in the national building by providing care, support, and protection in our E ADOPTION SYSTEM. The project proposed in this scheme is meant for providing additional support to the child by adopting.

This project is to provide online help to the orphanage so that they could help the orphan children and people who want to adopt children. In our project, have given details of children in the orphanage. People who want to adopt any child can contact online and the admin will confirm the time of visit to the orphanage house to see the child or they can see the child's information on the website after registration. If they want to adopt a child so they can apply for an adoption form with the required documents. After completing the procedure, it takes 15 to 20 days for confirmation from the adoption center. This orphanage home aims to provide care, support, and protection for orphans.

### 2.REQUIREMENTS

### 2.1 FUNCTIONAL REQUIREMENTS

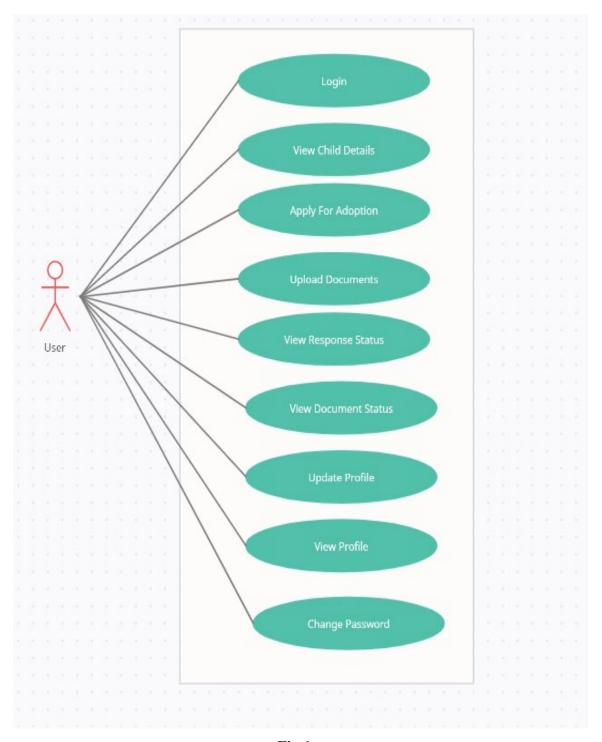


Fig 1

#### 2.1.1 User Account

The online E ADOPTION SYSTEM is developing to facilitate the Children's. Here the user's visit the website by registering their details. After the registration process gets over they can enter into the website. They can view the orphanage and child details. Those who want to adopt orphan, they can provide their details such as name, contact number, address and some basic details in registration form.

A new user, on the other hand, would either have to

- a) register himself with the system by providing personal information or
- b) log into the system as a parent.

A parent can only check the details of child's but cannot delete or add the child.

Availability of child's always refers to viewing the child's which we want to adopt.

The system shall present the parent with an adoption form to fill, if they want to proceed with adoption process. They all also have to submit the required documents. The verification of the form will be done at admin side. Which usually will take 10-15days for back ground verification on the basis of given documents. The application shall present the parent with an option to exit from the system at any time during the following processes.

#### 2.1.2 Admin Account

Admin can login into the system by providing the login credentials and can see the pending requests regarding the adoption. Admin can also add and delete the child and new admin as well.

After the verification process he will respond back to the parents request by approving the response status. Admin can also view and update their profile. If any parent contact regarding the visiting hours, they can confirm the schedule as well.

He has the accessibility to check how many parents have registered till now. He can also view the count of child and total adoption form till date.

The application shall present the parent with an option to exit from the system at any time during the following processes.

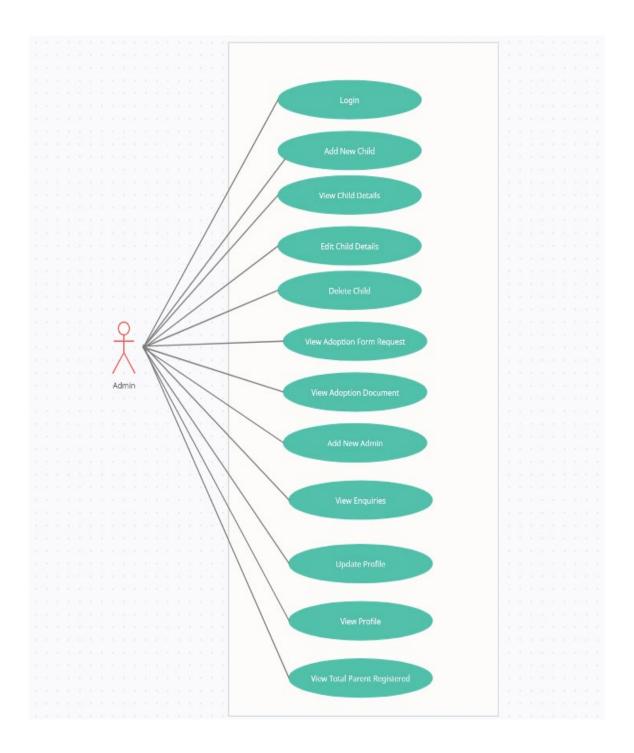


Fig 2

### 2.1.3 Registration and creation of user profile

The system shall require a parent to register, in order to carry out any adoption or child related process. It will ask the parent/admin for the following information at the least – a user id, name, phone number, email address, password. Once registration is done the user can login by providing the credentials.

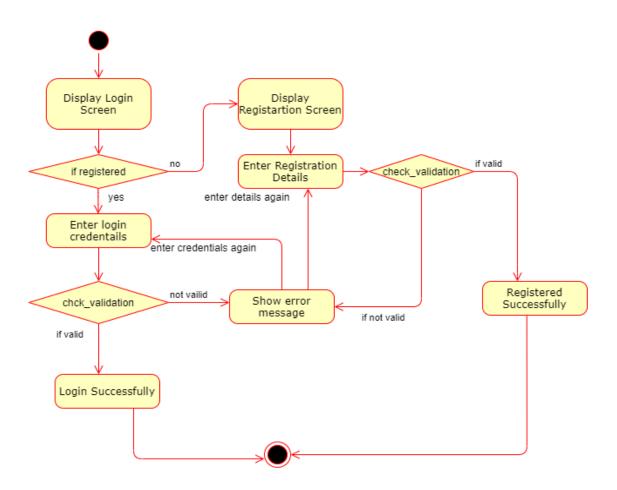


Fig 3

### 2.1.4 Adoption Process

After having taken the Parents through the step 2.2, Checking Availability for child's by viewing child's Info, The parent can fill the adoption form if they wish to adopt the child. If yes, and

- a) If the Parent is already a registered user, and if he/she has logged on already, he/she can fill the adoption form and upload the required documents.
   The request will be sent to admin along with the details.
- b) The admin will see the request and approve the request and send feedback to the parents.
- c) This whole process will take 10-15 days of time period as they have to g through certain offline legal formalities. Once everything is verified admin will respond back to the parent's request.

#### 2.1.5 Child Details:

The system shall allow admin to view all child information. After logging him on, he can directly view child by clicking on view child details. He also has the authority to add and delete the child. If any new child comes, his/her details will be uploaded by the admin on the site. Similarly if any child is adopted, admin can update his/her status as adopted. It will the parents to know that the following child is not available for adoption.

### 2.2 NON FUNCTIONAL REQUIREMENTS

### 2.2.1 Usability Requirement

After admin has Login, redirection is given to login page and various options are display to admin such as Parents and children's details.

### 2.2.2 Economical Feasibility

A project is considered economically feasible when the benefits that will accrue to the broad community are greater than the cost of undertaking the project. Economic feasibility defines all economic aspects related to our project. In economic feasibility we study the project thoroughly and estimate a cost of the project. In this cost we include everything such as salary of employees throughout the project. If we need any specific tool for the project then cost of that tool is also considered. When all the aspects have been studied then estimated cost is discussed with the client, and if client agrees to

pay accordingly to our requirement then the project is said to be economically feasible. My project "Adoption System" is economically feasible as the software which I am using are freely available in the market.

### 2.2.3 Security Techniques

The complete control of the project is under the hands of authorized person who has the password to access this project and illegal access is not supposed to deal with. All the control is under the administrator and the other members have the rights to just see the records not to change any transaction or entry.

### 2.2.4 Other Requirements:

### Hardware Interfaces

The "E ADOPTION SYSTEM" is expected to function on Intel PIII 900 MHz Processor equivalent or above, 128 MB RAM, 4 GB HDD.

### Software Interfaces

The "E ADOPTION SYSTEM" shall work on MS Windows operating systems family (MS Windows 98, MS Windows NT Workstation, MS Windows 2000, MS Windows XP). It configures to work with MYSQL database. This System works on Apache Tomcat server. It uses browser IE 5.0 & above. It uses IIS 5.0 server.

# 3. DESIGN

### 3.1 Database Design

The following table structures depict the database design.

**Table1: Users** 

Key Type/ Constraint	Column Name	Data Type	Length	Allow Null (1=Yes;0=No)
3	id	integer	4	0
0	email	varchar	50	1
0	is_active	boolean	4	0
0	mob_number	integer	4	1
0	name	varchar	50	1
0	password	varchar	50	0
0	role	varchar	50	1

**Table2: Adoption Form** 

Key Type/ Constraint	Column Name	Data Type	Length	Allow Null (1=Yes;0=No)
3	form_no	integer	4	0
0	adoption_reason	varchar	100	1
0	annual_income	double	8	1
0	applicant_gender	varchar	50	1
0	biological_children	varchar	50	1
0	child_id	integer	4	1
0	company_details	varchar	70	1
0	is_active	boolean	1	0
0	nationality	varchar	50	1
0	occupation	varchar	50	1
0	pancard	varchar	50	0
0	permanent_address	s varchar	50	1

0	qualification	varchar	50	1
0	response	varchar	50	1
0	spouse_gender	varchar	50	1
0	spouse_name	varchar	50	1
0	user_id	integer	4	0

## **Table3: ContactUs**

Key Type/ Constraint	Column Name	Data Type	Length	Allow Null (1=Yes;0=No)
3	serial_id	integer	4	0
0	user_email	varchar	255	1
0	user_message	varchar	255	1
0	user_name	varchar	255	1

# **Table4: Document Master**

Key Type/ Constraint	Column Name	Data Type	Length	Allow Null (1=Yes;0=No)
3	document_id	integer	4	0
0	response	varchar	50	1
0	address_proof	varchar	150	1
0	identity_proof	varchar	150	1
0	income_proof	varchar	150	1
0	nationality_certificate	varchar	150	1
0	non_criminal_certificate	varchar	150	1
0	user_id	integer	4	0

## **Table5: Child Details**

Key Type/ Constraint	Column Name	Data Type	Length	Allow Null (1=Yes;0=No)
3	child_id	integer	4	0
0	age	integer	4	0
0	blood_group	varchar	4	1
0	colour_complexity	varchar	50	1
0	deficiency	varchar	50	1
0	education	varchar	50	1
0	gender	varchar	50	1
0	image	varchar	100	1
0	medical_history	varchar	50	1
0	name	varchar	50	1
0	other	varchar	100	1
0	status	varchar	50	1
0	user_id	integer	4	0

## E-R Diagram, Dataflow diagram and Class Diagram:

Go to Appendix A

### 4. CODING STANDARDS IMPLEMENTED

## Naming and Capitalization

Below summarizes the naming recommendations for identifiers in Pascal casing is used mainly (i.e. capitalize first letter of each word) with camel casing (capitalize each word except for the first one) being used in certain circumstances.

Identifier	Case	Examples	Additional Notes
Class	Pascal	SMSMessage,	Class names should be based on "objects" or "real things" and should generally be <b>nouns</b> . No '_' signs allowed. Do not use type prefixes like 'C' for class.
Method	Camel	getDetails, updateStore	Methods should use <b>verbs</b> or verb phrases.
Parameter	Camel	personName, bankCode	Use descriptive parameter names. Parameter names should be descriptive enough that the name of the parameter and its type can be used to determine its meaning in most scenarios.
Interface	Pascal with "I" prefix	Disposable	Do not use the '_' sign
Property	Pascal	ForeColor, BackColor	Use a noun or noun phrase to name properties.
Associated private member variable	_camelCase	_foreColor, _backColor	Use underscore camel casing for the private member variables
Exception Class	Pascal with "Exception" suffix	WebException,	

### **Comments**

- Comment each type, each non-public type member, and each region declaration.
- Use end-line comments only on variable declaration lines. End-line comments are comments that follow code on a single line.
- Separate comments from comment delimiters (apostrophe) or // with one space.
- Begin the comment text with an uppercase letter.
- End the comment with a period.
- Explain the code; do not repeat it.

### 5. TEST REPORT

Another group called Linux did the testing and the report of the testing is given hereunder.

## **5.1 GENERAL TESTING:**

SR- NO	TEST CASE	EXPECTED RESULT	ACTUAL RESULT	ERROR MESSAGE
1	Register Page	Redirected to Next page	OK	Nothing
2	Login Page	Pop-up will come	Ok	Please enter username and password again .
3	Change Password	Only users password will be changed	Ok	6 to 20 characters which contain at least one numeric digit, one uppercase and one lowercase letter.
4	View Profile	Give user profile details	Ok	Nothing
5	View Child Details	Give all child details	Ok	Nothing
6	Fill Adoption Form	All the fields should be filled for submission	Ok	Nothing
7	Upload Documents	All the documents fields should be uploaded for submission	Ok	Please upload "Document Name"
8	View Response Status	Check for approved status	Ok	Nothing
9	Update Profile	User details will be updated	Ok	All fields mandatory
10	Add Childs	All the fields should be filled for submission	Ok	All fields mandatory
11	View Adoption Form Request	Get all adoption form request and send response	Ok	Nothing
12	View Adoption Document Request	Get all adoption documents request and send response	Ok	Nothing
13	Edit Child	Child details will be updated	Ok	All fields mandatory
14	Delete Child	Child will be deleted	Ok	Nothing
15	Add New Admin	New admin created by current admin	Ok	All fields mandatory

# E Adoption System

16	View Enquiries	Get all enquiries	Ok	Nothing
17	Total Adoption form Request	Get total number of adoption form request	Ok	Nothing
18	Total Childs	Get total number of child's	Ok	Nothing
19	Total Parent Registered	Get total number of parents	Ok	Nothing
20	Send Enquiry Message	All the fields should be filled for enquiry	Ok	Nothing
21	Logout	It will logout from user profile.	Ok	Nothing

### 6. PROJECT MANAGEMENT RELATED STATISTICS

DATE	WORK PERFORMED	SLC Phase	Additional Notes
JULY 21,2022	Project Allotment and User Requirements Gathering	Feasibility Study	Our team met the Project Mentor Mr. Rahul Sansuddi to know the requirements.
JULY 22,2022	Initial SRS Document Validation And Team Structure Decided	Requirement Analysis (Elicitation)	The initial SRS was presented to the client to understand his requirements better
JULY 23,2022	Designing the use-cases, Class Diagram, Collaboration Diagram, E-R Diagram and User Interfaces	Requirement Analysis & Design Phase	Database Design completed
AUG 14,2022	Business Logic Component design Started	Design Phase	Database Design implemented
AUG 15, 2022 – AUG 20, 2022	Coding Phase Started	Coding Phase	Login, Registration, Logout and Change Password functionality completed.
AUG 22, 2022	Implementation of Web Application Started	Coding Phase	Initial home, aboutus page designed.
AUG 23, 2022	Implementation of Web Application and Backend Continued	Coding Phase	Adoption form, Edit profile functionality completed.
AUG 24, 2022	Implementation of Web Application Continued	Coding Phase	Document Upload and find document by id functions completed

AUG 25, 2022	Implementation of Web Application Continued	Coding Phase	Add Child, Show child's functionality completed.
AUG 26, 2022	Implementation of Web Application Continued	Coding Phase	Edit child and Delete child functionality completed.
AUG 27, 2022	Implementation of Web Application Continued	Coding Phase	Add New Admin, Edit Admin Profile functionality completed.
AUG 28, 2022	Implementation of Web Application Continued	Coding Phase	Count total Adoption form, Parents, Childs functionality completed.
AUG 29, 2022	Implementation of Web Application Continued	Coding Phase	Get Adoption form request, Documents request and Send Response from Admin side functionality completed.
AUG 30, 2022	Implementation of Web Application Continued	Coding Phase	Conatus functionality completed.
SEPT 18, 2022	Implementation of Web Application Continued	Coding Phase	Testimonial and Donate Pages completed.
SEPT 19, 2022	After Ensuring Proper Functioning the Required Validations were Implemented	Coding Phase	Module Integration was done by our team.

## E Adoption System

	The Errors Found were Removed	The Project was complete for submission
SEPT 22, 2022	Documentation Completed	
SEPT 24, 2022	Final Submission of Project	

# **Appendix A Entity Relationship Diagram**

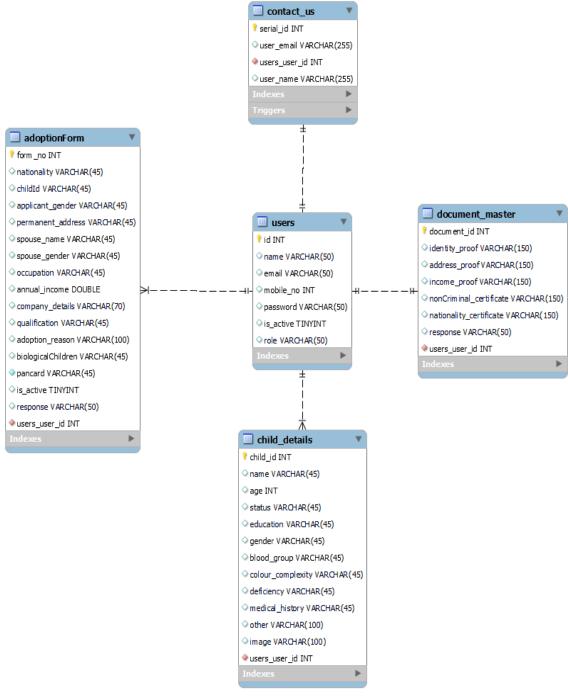


Fig 4

# **Data Flow Diagram:**

# Level 0

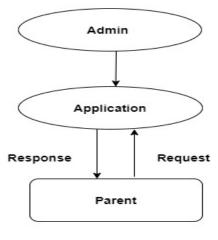


Fig 5

## Level 1(Admin):-

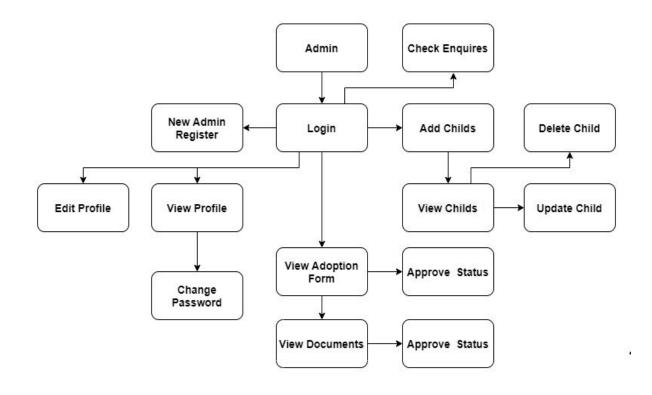


Fig 6

# Level 1(Parent):-

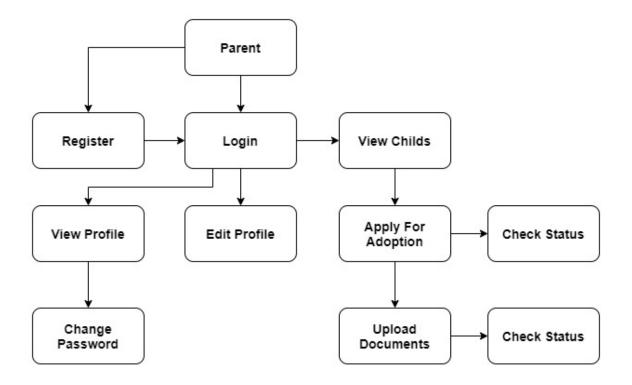


Fig 7

### **Class Diagram**

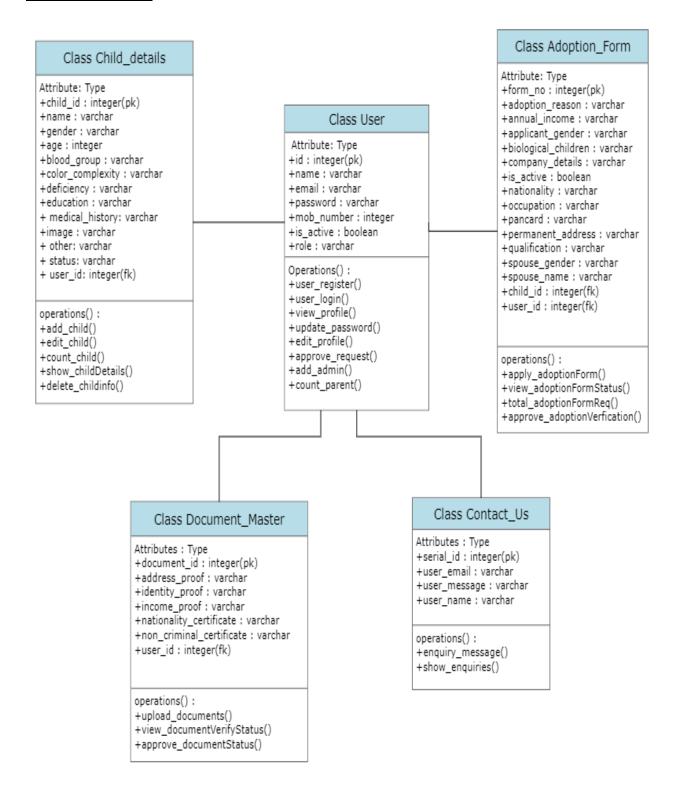
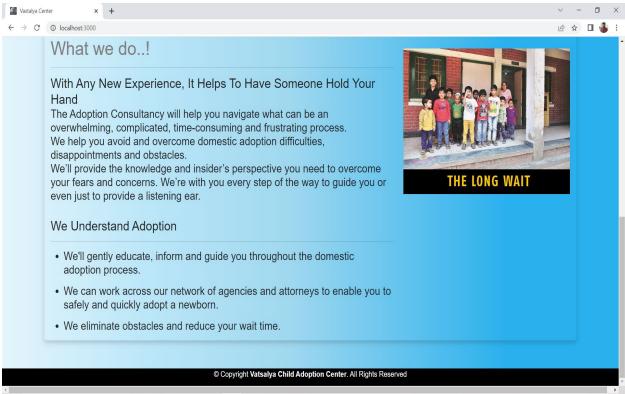


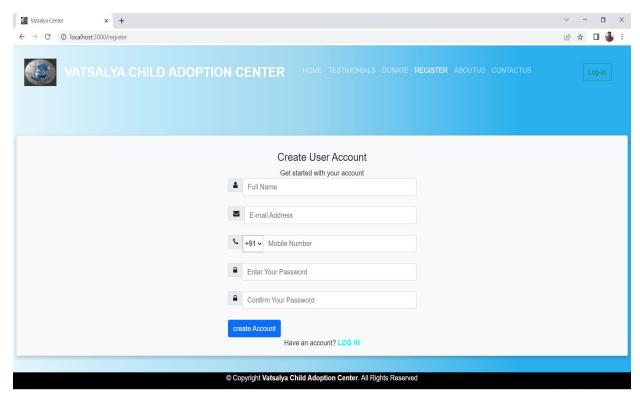
Fig 8

## Appendix B Homepage:

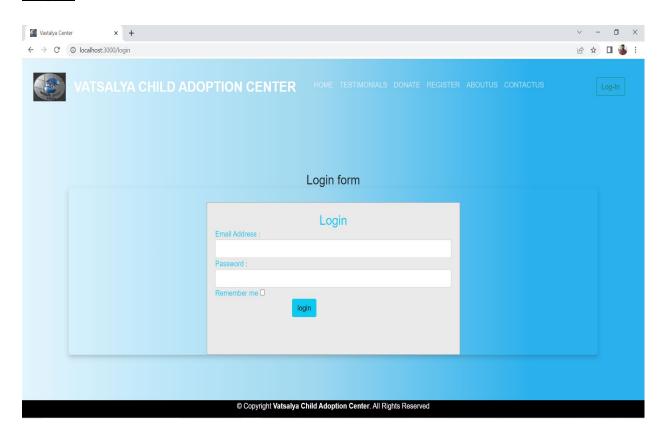




## **User Registration:**

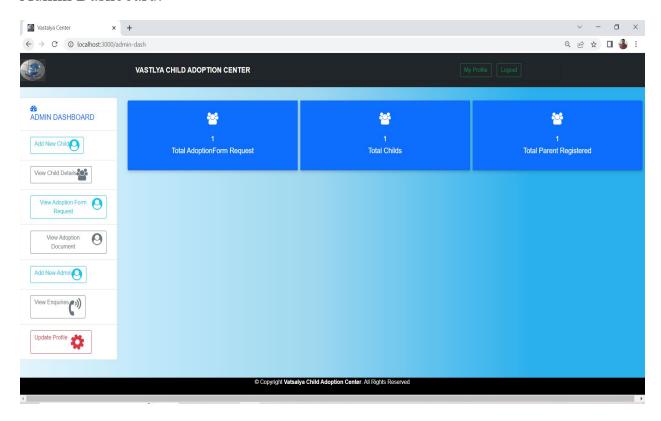


### Login:

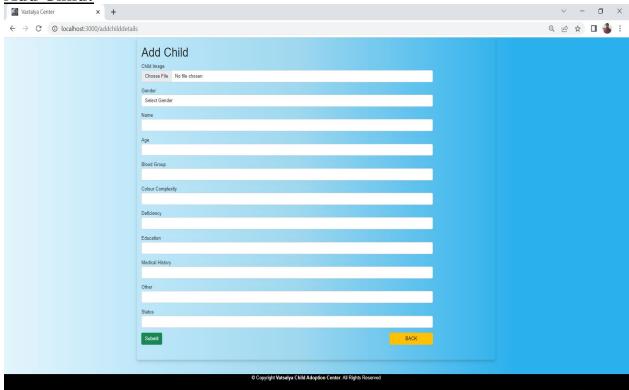


### E Adoption System

### Admin Dashboard:

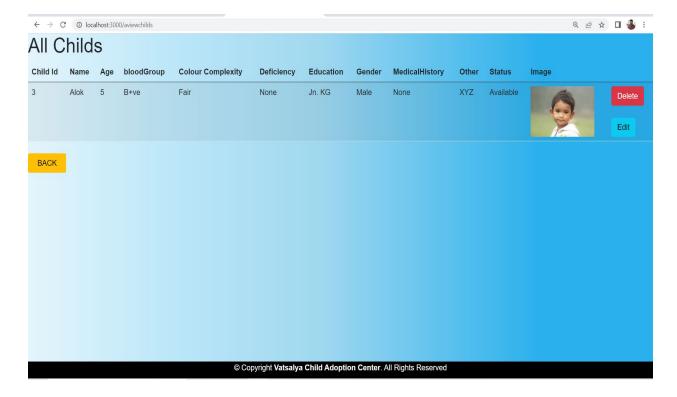


### **Add Child:**



### E Adoption System

### View Child:



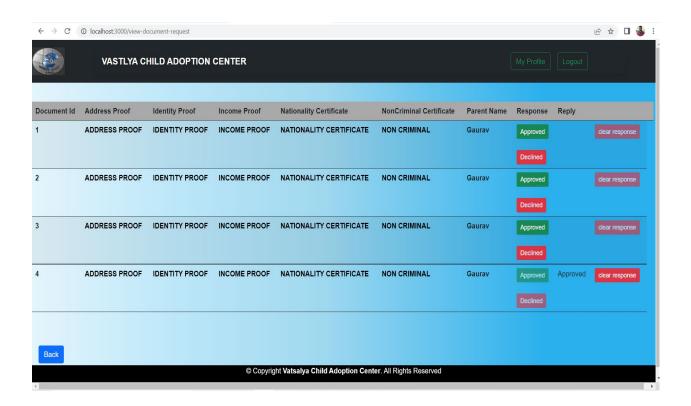
# **Edit Child:**



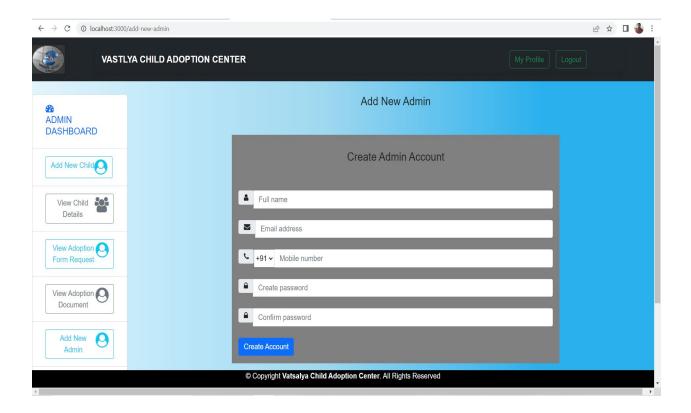
### **View Adoption Form Request:**



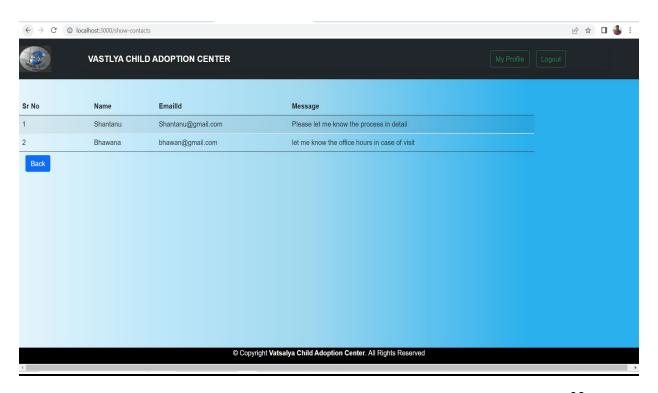
# **View Adoption Document Request:**



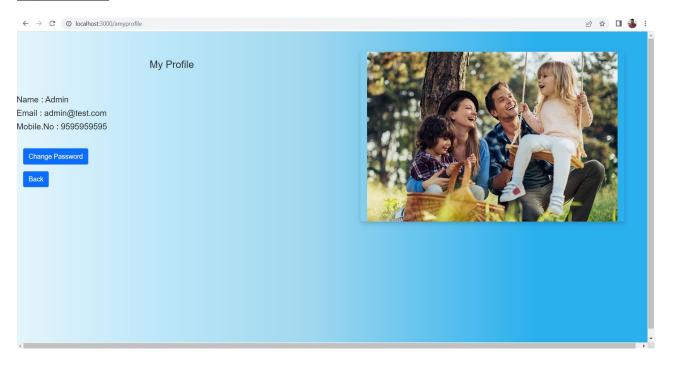
### **Add New Admin:**



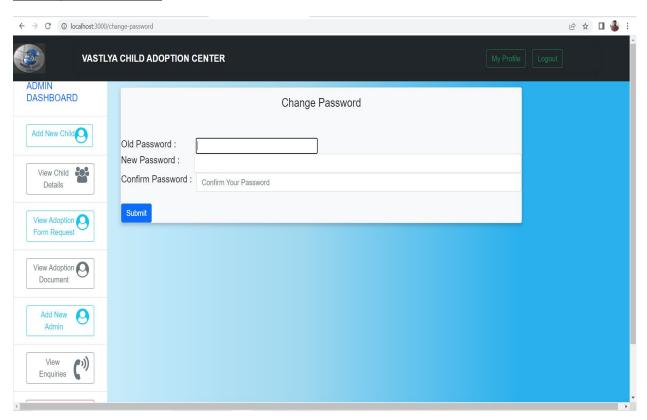
### **View Enquiry:**



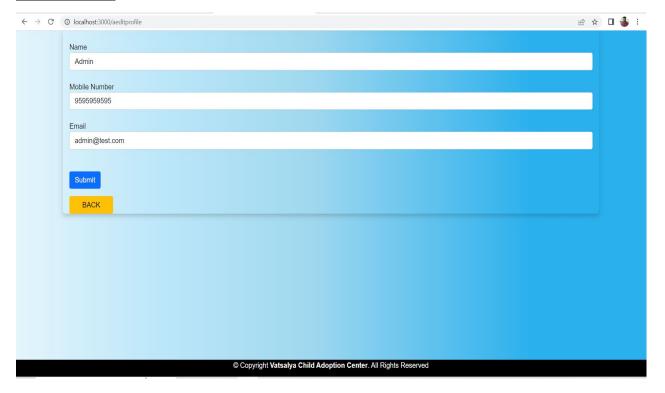
### **My Profile:**



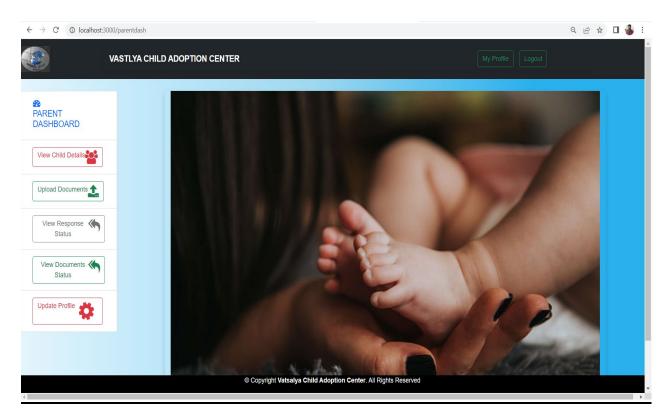
### **Change Password:**



## **Edit Profile:**



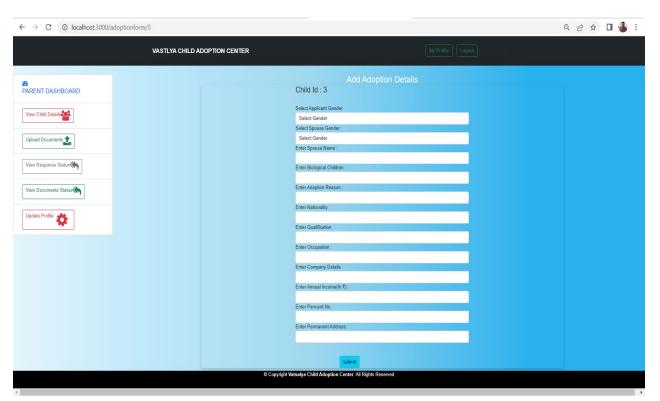
# **Parent Dashboard:**



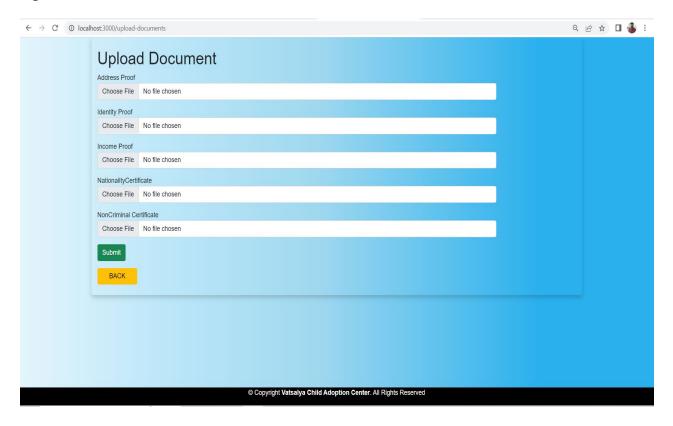
## View Child(Parent Side):



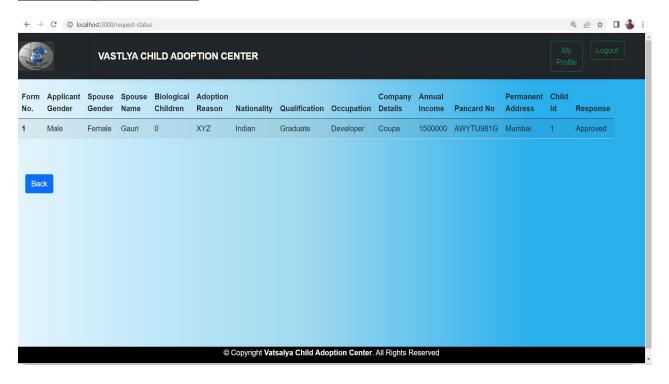
## **Apply For Adoption:**



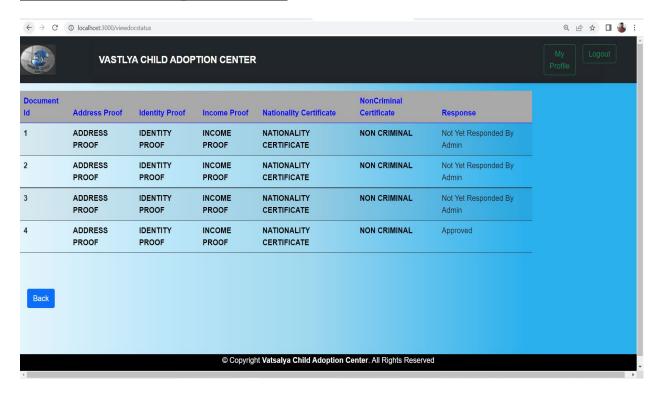
## Upload Document:



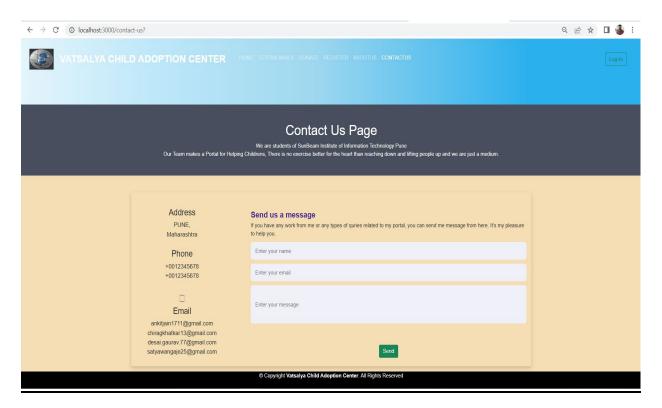
## **View Response Status:**



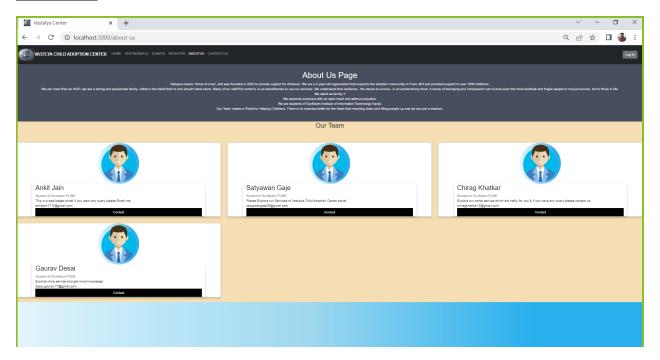
### **View Document Response Status:**



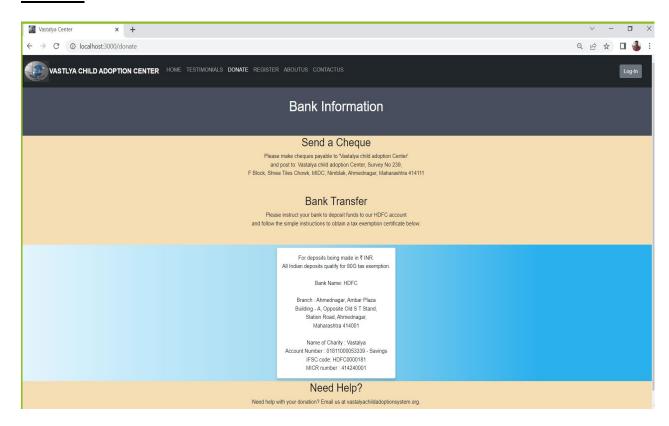
### **Contact Us:**



### **About Us:**



## **Donate:**



## **Testimonial:**



EAd	option	System

### **7.REFERENCES:**

http://www.google.com

https://balashatrust.org/

http://cara.nic.in/

https://www.snehalaya.org/adoption

https://theadoptionconsultancy.com/index.php?gclid=EAIaIQobChMIp8ee77rf8AIVl34r Ch2KtgLEEAAYAiAAEgL-oPD\_BwE

http://www.wikipedia.org