

KESHAV MEMORIAL INSTITUTE OF TECHNOLOGY
JNTU HYDERABAD

POSHAN ABHIYAAN

Under the Guidance
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ABSTRACT



There is a high pressure to remember life critical information amidst juggling work and home for the parents.



Our Web Application facilitates young parents in tracking the immunization of their children.



Our Application's aim is to keep track of the vaccinations that needs to be taken during pregnancy and after delivery for the baby.



An Email Alert will be sent to the user 2 days, 1 day prior to the vaccination and on the day of vaccination; to remind the user of vaccination.

PROBLEMS WITH EXISTING SYSTEMS



There are web sites which provide information regarding the vaccinations.



But they don't provide any kind of alerts and notifications for the users for their email.



User needs to check multiple sites to know information about vaccinations, nutrition to be taken and the exercises to be done.

PROPOSED SYSTEM



The user will have to enter his/her pregnancy details(if any) and their child details(if any).



List of vaccinations and their respective dates are displayed.



An Email Alert will be sent to the user for reminding about vaccinations and tests.



The Nutrition that needs to be taken and Exercises to be done are given.

SCOPE OF THE PROJECT



A daily Meal plan is recommended to the pregnant women.



We send Alerts and Notifications for the users regarding vaccination dates.



We provide emergency hospital search based on Pincode given.



Women can see their previous pregnancy details in archive section

TECHNOLOGIES USED



Java 8



Java Servlets



Java Server
Pages



HTML



JavaScript 1.8.5



CSS 3



MySQL 8.0



Apache Tomcat
Server 9.0.27

IMPLEMENTATION DETAILS

- Initially the web application consists of registration/login along with information about women and child nutrition and exercises
- It takes information from the user in the HTML form where javascript is used for validation.
- With the help of a servlets and JSP the information from the HTML page is retrieved and processed.
- MySQL JDBC connector is used to connect to the database and do operations.
- Mail API is used for sending mails to User.

HOME PAGE

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Don't have a account [REGISTER HERE ?](#)

POSHAN ABHIYAAN is a multi-ministerial convergence mission with the vision to ensure attainment of malnutrition free India by 2022. The objective of POSHAN Abhiyaan to reduce stunting in identified Districts of India with the highest malnutrition burden by improving utilization of key Anganwadi Services and improving the quality of Anganwadi Services delivery. Its aim to ensure holistic development and adequate nutrition for pregnant women, mothers and children.

The Ministry of Women and Child Development (MWCD) is implementing POSHAN Abhiyaan in 315 Districts in first year, 235 Districts in second year and remaining districts will be covered in the third year.

There are a number of schemes directly/indirectly affecting the nutritional status of children(0-6 year's age) and pregnant women and lactating mothers. In spite of these, level of malnutrition and related problems in the country is high. There is no dearth of schemes but lack of creating synergy and linking the schemes with each other to achieve common goal. POSHAN Abhiyaan through robust convergence mechanism and other components would strive to create the synergy.

पोषण अभियान

USER REGISTRATION

Register Here!!!



Name:	<input type="text"/>
Mail ID:	<input type="text"/>
Phone Number:	<input type="text"/>
Address:	<input type="text" value="Enter Address"/>
PinCode:	<input type="text" value="Enter Pin Code"/>
Set Password:	<input type="text" value="Enter Password"/>
Confirm Password:	<input type="text" value="Re-Enter Password"/>
Do you have children?:	Yes: <input type="radio"/> No: <input checked="" type="radio"/>
Are you Pregnant?:	Yes: <input type="radio"/> No: <input type="radio"/>
<input type="button" value="Register"/>	

VERIFY EMAIL ID

Verify Email ID:

Enter OTP :

Submit

USER LOGIN

User Login



Mail ID :

Password :

LOGIN

[Forgot Password?](#)

Not Registered Yet!! [Register Here](#)

FORGOT PASSWORD

Forgot your password?

Please enter the email address associated with your account to reset password

Enter your Mail Id :

[Get Mail](#)

TRACK YOUR RECORDS

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Add your pregnancy details or Add Children in [Profile Section](#)

To Know about Pregnancy and child care navigate

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Pregnancy: Vaccination & Nutritions

Manasa

Children: Vaccination & Nutritions

Ram

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Pregnancy Information of rishika :

Dates on which Tests to be taken

Date:	Tests:
2020-04-12	Routine prenatal check up Anomaly or ultrasound level II scan
2020-05-12	Routine prenatal check up First dose of Tetanus Toxoid (TT) injection
2020-06-11	Routine prenatal check up Second dose of Tetanus Toxoid (TT) injection Growth and fetal wellbeing ultrasound scan Blood test (CBC/Urine R /OGCT)
2020-07-11	Routine prenatal check up
2020-08-10	Routine prenatal check up
2020-09-09	Routine prenatal check up
2020-09-24	Routine prenatal check up
2020-10-09	Routine prenatal check up
2020-10-24	Routine prenatal check up
2020-11-08	Routine prenatal check up
2020-11-15	Routine prenatal check up Blood and urine test (ANC profile) Urine pregnancy test Pregnancy ultrasound scan for cardiac activity
2020-11-22	Routine prenatal check up NT ultrasound scan (sonography) and a double marker test First trimester combined test
2020-11-28	Routine prenatal check up

VIEW PREGNANCY DETAILS

Today's Meal

BreakFast	Sautéed mushrooms Wholewheat toast Banana milkshake
Lunch	Mixed dal Carrot and peas sabzi Curd (dahi) Pearl millet (bajra) roti
Snack	Roasted Peanuts
Dinner	Cumin and potato curry Chapati/ Rice

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Vaccination Information of child1 :

Dates on which Vaccinations to be taken

Date:	Vaccinations:
2020-03-03	Oral Polio Vaccine Hepatitis B Bacille Calmette Guerin-BCG
2020-04-14	Oral Polio Vaccine-1 Pentavalent-1 Fractional Dose of Inactivated Polio Vaccine-fIPV-1 Rotavirus-RV1
2020-05-13	Oral Polio Vaccine-2 Pentavalent-2 Rotavirus-RV2
2020-06-10	Oral Polio Vaccine-3 Pentavalent-3 Fractional Dose of Inactivated Polio Vaccine-fIPV-2
2021-06-18	Diphtheria Pertussis Tetanus-Booster1 Oral Polio Vaccine-Booster Hepatitis-A
2025-01-16	Diphtheria Pertussis Tetanus-Booster2
2029-12-01	tetanus toxoid
2031-12-11	Human papillomavirus (HPV) vaccines

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You can add your Child here:

[Add Child](#)

Pregnant? Register here for pregnancy related information:

[Add Pregnancy Details](#)

PROFILE SECTION

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Want to add CHILD? Fill in the details.

No. of Children:

Name: Gender: Date of Birth:

Name: Gender: Date of Birth:

Add Child Details

ADD CHILD

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Want to add Pregnancy Details? Fill in the details.

Start Date of Pregnancy:

AddPregnacyDetails

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You can add your Child here:

Add Child

Know About Your Pregnancy Details here:

rishika

Know About Your Children Vaccinations here:

child1

child2

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Know About Your Archived Pregnancy Details here:

2016-01-05 to 2016-09-22

rishika

ARCHIVE SECTION

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EMERGENCY HOSPITAL SEARCH

Enter PINCODE:

SEARCH

EMERGENCY SEARCH

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PREGNANCY DIET

PREGNANCY YOGA

LACTATING MOTHER'S DIET

LACTATING MOTHER'S YOGA

WOMEN



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CHILD DIET

CHILD YOGA

ADOLESCENT DIET

ADOLESCENT YOGA

CHILD

CONCLUSION



Poshan Abhiyaan provides one stop for all needs where the user can get diet plan suggestions, nutrition information, yogic diet and yoga, vaccination alerts for both children and pregnant woman.



The website provides the user an ease of access to information and also helps them ensure that they never miss a vaccination or test.



Thus, Poshan Abhiyaan helps in contributing to the health of women and children.

FUTURE ENHANCEMENT



In the future, we would like to make the web application capable of taking the location of the user with the help of a GPS to provide the list of hospitals nearby.



We also intend to make communication stronger by enabling an SMS system where the reminders for vaccination will be messaged to the user.



We also intend to develop an android application with the above mentioned improvements for easier usage and convenience.



DEMO



THANK YOU