

2025

BEGIN WITH A NEW VISION

Project Synopsis & Project
Diary

NAME - Ashutosh Mohanty.

Class - MCA 4th Sem

Regd. No. - 2305260005

JANUARY

2025

Week-01
001-364

Wednesday

01

13/01/2025.

NAME OF THE PROJECT :- Medi-Track

The Medi-Track project is a digital healthcare platform designed to enhance the efficiency and accessibility of medical services by providing an interactive doctor appointment booking system, specialization based matching support. By incorporating the system enables remote consultations, reducing wait times and improving healthcare access, especially in remote areas. The Medi-

The Medi-Track project aims to modernize healthcare delivery through seamless digital solutions, making medical services more efficient, secure and patient-centric.

Fear follows crime and is its punishment.

S S M T W T F S S M T W T F S S M T W T F S S M
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 . . .

February

JANUARY

02

Thursday

202

Week
002-31

14/01/23

System Setup :-

1. Installation & setup of database (MySQL / PostgreSQL)
2. Installation & setup of Java, JDK.
3. Installation & system checking of VS code.
4. Issue solving of vs code.
5. Environment setting of MySQL.
6. Installation of springboot on VS code Extension.
7. Basic idea about springboot.
8. Demonstration on springboot project.
9. Creating Zip folder on Medi-Tek extraction of file.

Fear of ideas makes us impotent and ineffective.

January	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

2025

JANUARY

Week-02
006-359

Monday

06

10. creating home.html on template folder.

11. Creating Thymeleaf file on static folder.

S M T W T F S S M T W T F S S M T W T F S S M
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 * * *
Flattery corrupts both the receiver and the giver.

February

2025

JANUARY

Week-02
008-357

Wednesday

08

15 / 01 / 25

Designing of Project :

The Landing Page :-

The landing page serves as the first point of interaction for ~~users~~ clients, doctors.

Home Section :-

Include a large, eye-catching client to interface of

Navigation Bar : Added a responsive navigation bar with links to key sections such as Home, menu about us, contact us and log in sign up.

Freedom can not live where there is injustice.

S	M	T	W	T	F	S	S	M	T	W	F	S	S	M	T	W	F	S	S	M
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22

February

2025

Week-02
010-355

JANUARY

Friday

10

17 / 01 / 25

Designing landing page:

Added concise and engaging section highlighting the platform's key features such as medical tree, checkup tracking for clinic and doctor.

Used HTML & CSS and added JavaScript for interactive elements such as smooth scrolling & hover effect.

S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

God heals and the doctor takes the fee.

February

JANUARY

2025

11

Saturday

Week-02
011-354

20/01/25

Designing of PDP :-

Worked on designing the product retail page (PDP) for the Medi-Tech web application.

It displays required information about a doctor & patient, admin users with essential details to make informed purchase using decision which include.

Header and Navigation.

12 Sunday
Displayed a section of doctor with the option of view appointment detail, vision booking detail in a consumer format.

Good intentions are not good unless carried out.

January

W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	F								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

2025

Week-03
013-352

JANUARY

Monday

13

21 / 01 / 25

Page :-

Designing of PDP

Added key details including doctor name, specialist, charge, description, booking & reviews.

Added an add-to-card button with a quantity selection, allowing users to specify appointment time off the doctor.

Include a visual confirmation of the appointment when the doctor is available.

Good order is the foundation of all things.

S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

February

JANUARY

2025

14

Tuesday

Week-03
014-351

(22/01/25)

Admin Dashboard Design! -

Worked on designing the Admin Dashboard for the Medi-Tech web application.

Added a fixed sidebar menu with link to homepage, check appointment, week specific and log out link.

Applied icons and hover effect to enhance user experience.

Goodluck never comes late.

January	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22

2025

JANUARY

Week 03
015-350

Wednesday

15

(23/01/25)

Admin Dashboard Design :-

Worked on Dashboard overview section.

Display key metrics completed appointment, pending appointment, menu doctor specialist.

Worked on Order management section.

(24/01/25)

Admin Dashboard Design :-

Worked on Category design page.

Applied Doctor page and User page.

Gratitude is the memory of the heart.

S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

February

2025

JANUARY

16

Thursday

Week-03
016-349

(25/09/25)

Admin Dashboard Design.

Worked on overall design of admin dashboard which include search button, navigation bar.

Added icons and have effect.

(28/09/HB)

Great causes are never tried on their merits.

Great causes are never tried on their merits.

January

W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	F	S	S	M	T	W	F		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

2025

Week-03
017-348

JANUARY

Friday

17

(26 / 01 / 25)

Git & Github :-

Installation & Download of Git
& Github.

How to push code to Github.

Git pull & Git push commands
to git & Github.

Other features including
creating new branch and
issue new ticket etc.

Summary

27.01.25

Great geniuses have the shortest biographies.

S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	• • •

February

JANUARY

18

Saturday

Week-03
018-347

(27/03/25)

Creation of controller Page:-

worked on developing the controller layer for the Medi-Tech web application.

- The controller handles user request process them and return appropriate response.

- * Created Connellan classes.

• Created Convolvular classes.

• Created Convolvular classes.

Admin controller

19 Sunday

User Controller

Doctor controller

Appointement Controllen

Möncke Cornnollen

pugnent Contoller

Happiness is not perfected until it is shared.

January	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

2025

Week-04
020-345

JANUARY

Monday

20

(29 / 01 / 25)

controller class :-

used http methods approximately like

→ GET (Retrieving data)

→ POST (Add New data)

→ PUT (Update existing data)

→ DELETE (Remove data)

controller class :-

(30 / 01 / 25)

Implemented input validation using springboot @ valid annotation to prevent incorrect data submission.

Spring mvc is used.

Taxa for backend login implemented.

Happiness lies, first of all, in health.

S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

February

JANUARY

2025

21

Tuesday

Week-04
021-346

(31/01/25)

Entity class:

Developed separate entity classes like category entity like category entity, Doctor entity, user entity, appointment entity, payment entity, class entity.

(01/02/25)

Created AdReliable entity class which extends to other classes.

The getter, setter methods used.

Hate is the subtlest form of violence.

January

	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29

2025

JANUARY

Week-04
022-343

Wednesday

22

(03 / 02 / 25)

entity class :

Utilized JPA annotation for table mapping.

Entity - Specifies the class as a JPA entity.

Table Name = "table-name")

Maps the class to the corresponding table in the data base.

① ID, @ generated value
@ column etc.

Hatred is a settled anger.

S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	• • •

February

JANUARY

23

Thursday

2025

Week 04
023-34

(04 / 02 / 23)

Added validation annotation to ensure data integrity.

- Not Null
- Size
- Email

~~OmniSci~~
05.02.25

(05 / 02 / 23)

Creating Repositories.

Worked on developing the repository layer for the Medi-Track web-application.

Developed separated repository for each key entities.

- Doctor Repository.
- Admin Repository.
- User Repository.

Hatred is self punishment.

January

	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	F	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25

2025

Week-08
024-341

JANUARY

Friday

24

(06/02/25)

Used Spring Data JPA to extend the JPA repository interface, overriding built-in methods twice.

- Find All()
- find By Id();
- Save (entity)
- delete By (c)

(07/02/25)

Added custom query methods to fetch specific data efficiently.

→ Find by category
→ Find by status etc.

Used Spring Boot JPA for ORM.

He conquers who endures.

S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

February

• • •

JANUARY

2023

25

Saturday

Week
025-34

(08/02/25)

(08/02/25)

Worked on enum class.

Created Doctor classes, appointment states, payment method, payment stats class Role, widget states classes for enum.

(08/02/25)

(09/02/25)

Worked on product controller class to fetch the page, using get mapping.

26 Sunday

He is happy who thinks he is.

January

W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

2025

Week-05
027-338

JANUARY

Monday

27

(10 / 02 / 25)

Created admin page which include all the information like Doctor and specialization of doctor, name, appointment, etc.

Created user page under admin dash board.

(11 / 02 / 25)

(11 / 02 / 25)

Worked on database table in my SQL.

Inserted values to the database.

Saturday
12.02.25

He that diggeth a pit shall fall into it.

S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	F	T	S	S	M	F	S	S	M
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

JANUARY

28

Tuesday

(12/02/25)

Worked on CSS of admin dash board.

overall space adjustment

and other design.

(13/02/25)

Learned about entity relationship

Collection interface and
about list like Array list,
Linked list, Vector,
Stack etc.

He travels fastest who travels alone.

January	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

(14/02/25)

Learn on JDBC connection which includes http request, dispatch server / front - controller, view resolution etc.

(281) 800-1755

(15/02/25)

Learn & implement fragment in admin dashboard.

Created a fragment file of html & CSS which can include all common codes which can be reuse in other files.

JANUARY

30

Thursday

20

Week
030-3

(16/02/25)

Merge the code in the git hub.

The conflict occurs and resolve the conflict.

(17/02/25)

Learn about ~~UID~~ Universally unique identifier, which are 128-bit values used to uniquely identify objects in computer systems.

Implement it on entity class as generated value (strategy UID).

He who laughs last, laughs longest.

January	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Friday

31

(18 / 02 / 25)

Worked on data base table of categories, doctor, client page along with its backend using post mapping & get mapping.

Sneak
ICL-02-25

(19 / 02 / 23)

Work on Category page and admin page.

Using Thyrdcast springboot dependency; use render the data.

FEBRUARY

2023

01

Saturday

Week
032-3

(20/02/2023)

(20/02/2023)

Completed the admin category page and doctor page design. Worked on its datable.

2023

(21/02/2023)

(21/02/2023)

02 Sunday Implemented CRUD operations create, Read, update, Delete, to manage categories and

appointment allowing seamless interaction with MySQL Database.

He who trusts his secrets to a servant makes him master.

February

S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28

FEBRUARY

2025

Week-06
024-331

Monday

03

(22/02/25)

utilized Thymeleaf template engine to render my dynamic HTML content and displaying real-time data from backend.

(23/02/25)

Created new ticket and new branch through github.

Merge the existing code to the Master branch.

Hearing brings wisdom, speaking repentance.

S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

March

04

Tuesday

(24/02/25)

Development Dynamic data table on the admin and user page of the web application using Spring Boot & Thymeleaf.

Utilized Hibernate ORM object - relational mapping to interact with MySQL database.

Break
25-02-25

(25/02/25)

Integrated custom search & filter options, enabling user to easily locate specific categories & admin.

History is the essence of innumerable biographies.

February

S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28

(26/02/25)
Ensured data consistency and integrity using hibernates validating operation and validation annotation.

Worked on CSS of admin dashboard.

(27/02/25)

Created wedged table

Learn about spring boot security.

Implement it using JWT token.

FEBRUARY

06

Thursday

(28/02/25)

Integrated Spring Boot security to protect the doctor details, user details, ensuring controlled access based on user roles and permission.

Applied Role :- based authentication authorization, restricting access to sensitive operations to authorized user only.

(28/02/25)

(01/03/25)

Used Becrypt password encoding to seccurity & one & verity user credentials.

Applied custom login and logout functionality with proper session handling

Honest labour bears a lovely face.

February	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

FEBRUARY

Friday

07

(02 / 03 / 25)

Encountered CSRF (Cross-site Request Forgery) protection issue by enabling CSRF token in forms.

(03 / 03 / 25)

Created config folder and security config class under it where used Bcrypt password encoder (J2) which will convert the password to hash form.

Honesty is the best policy

S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

March

17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

FEBRUARY

2025

08

Saturday

Week-06
039-326

(05/03/25)

(04/03/25)

Developed the user service class as part of Medi-Tech application, using Spring boot handling business logic related to user operation.

~~Done~~

05/03/25

(05/03/25)

09 Sunday

Added the get user(String email) method to fetch the entire user entity, providing detailed user information.

Applied exception handling using on else throw()

Hope for the best and prepare for the worst.

February	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28

2025

Week-07
041-328

FEBRUARY

Monday

10

(06/03/25)

Worked on reupload image.

Created a folder upload image in the explorer.

Put it on get - ignore.

Upload - images on the category and product page.

(07/03/25)

Created place order page which will confirm the appointment successfully.

Link it to the place appointment in add to cart page.

Hope thou not much, and fear thou not at all.

S S M T W T F S S M T W T F S S M T W T F S S M T W T F S S M
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

March

FEBRUARY

11

Tuesday

(08/03/25)

Implemented place order page design and link.

Worked on overall admin dashboard design page.

(09/03/25)

Worked on search button.

Used

FEBRUARY

2025

Week-07
083-322

Wednesday

12

(10/03/25)

Implemented the final By

(06) 00 | EP

(11/03/25)

Worked on backend of
widget page and data
table.

Done
12.03.25

Human nature is greedy of novelty.

S S M T W T F S S M T W T F S S M T W T F S S M

1 2 3 4

March

FEBRUARY

2023

13

Thursday

Week 0
044-32

(12 / 03 / 25)

Implemented the ~~final~~
Created widget entity class.
Link it to the database

Worked on login & Sign up
error and fix it.

(13 / 03 / 25)

Created widget repository
Render data from database to
front end.

2025

Week 07
085-320

FEBRUARY

Friday

14

(14/03/25)

Created widget list
front end pug file.

Create CSV file of widget list which have product id and widget id.

(15/03/25)

On admin dash board render the dynamic data from the database. And show it on frontend.

15

Saturday

Weekday
048-31

(26/03/25)

Worked on spring security.

Applied javacript in the front-end for enhanced design.

Worked on CGS of widget page under admin dashboard.

(27/03/25)

Space adjustment & overall design of widget front end and widget list page.

16 Sunday

Add model to the widget html page to show widget list page.

2025

Week-08
Date-31/7

FEBRUARY

Monday

17

(18/03/25)

Created auto no position under repository folder to expand i GPA repository.

Worked on backend of category widget and category exist page.

(19/03/25)

~~Jan 2025~~
19.03.25

(19/03/25)

Created edit and delete button on category and product page under admin dashboard.

Worked on delete button.

FEBRUARY

18

Tuesday

20

Week
049-3

(20/03/25)

Created edit and delete button on appointment page.

created auto repository under repository folder.

(21/03/25)

worked on backend edit

& delete, button.

Merge code to the github.

worked on entity class & security of product page.

2025

FEBRUARY

Week-08
050-315

Wednesday

19

(22/03/25)

Worked on overall edit & delete button, fix the error.

Completion of all design & backend of admin dashboard.

Bmzdr
22.03.25