



PARSHVANATH CHARITABLE TRUST'S  
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## Department of Information Technology

Academic Year: 2024-25

Semester: VI

Class / Branch / Div: TE- IT C

Subject: MAD & PWA Lab

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Roll No. 13

Date of Submission: 13/02/25

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### Experiment No.5

**Aim:** To apply navigation and routing in Flutter App.

**Software:** VS Code, flutter SDK.

**Problem Statement:** To develop a flutter app with two screens, screen-1 should navigate to screen-2.

**Code:**

**main.dart :**

```
import 'package:flutter/material.dart';

void main() {
  runApp(MyApp());
}

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Navigation Example',
      home: HomePage(), // The starting page
    );
  }
}

// Home Page
class HomePage extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
```



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```
appBar: AppBar(title: Text("Welcome to Routes and Navigation")),
body: Center(
  child: Column(
    mainAxisAlignment: MainAxisAlignment.center,
    children: [
      GestureDetector(
        onTap: () {
          // Navigate to SecondPage
          Navigator.push(
            context,
            MaterialPageRoute(builder: (context) => SecondPage()),
          );
        },
        child: Image.asset(
          'assets/images/mehrangarh-fort.jpg'), // Image added here
      ),
      SizedBox(height: 20), // Space between the image and the text
      Text(
        'Mehrangarh Fort - Jodhpur\n\n'
        'Click on the image for more detailed information.',
        textAlign: TextAlign.center,
        style: TextStyle(fontSize: 16, fontWeight: FontWeight.bold),
      ),
    ],
  ),
),
);
}
```

```
// Second Page
class SecondPage extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(title: Text("Second Page - Image Details")),
      body: Padding(
        padding: const EdgeInsets.all(16.0),
        child: Column(
          crossAxisAlignment: CrossAxisAlignment.center,
          children: [
            Center(
              child: Image.asset(
                'assets/images/mehrangarh-fort.jpg'), // Centered image
            ),
            SizedBox(height: 16),
          ],
        ),
      ),
    );
  }
}
```



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```
Text(  
  'Mehrangarh Fort - Jodhpur.\n'  
  'Mehrangarh Fort is one of the largest forts in India, constructed by Rao Jodha  
around 1460. '  
  'A part of the fort has been turned into a museum with amazing collections such as  
elephant's howdahs, '  
  'palanquins, armory, paintings, manuscripts, turban gallery, jewelry, costumes, and  
other royal artifacts.',  
  style: TextStyle(fontSize: 16),  
,  
  SizedBox(height: 20),  
  ElevatedButton(  
    onPressed: () {  
      // Navigate back to the HomePage  
      Navigator.pop(context);  
    },  
    child: Text("Go Back"),  
  ),  
,  
,  
,  
,  
);  
}
```

**pubspec.yaml :**

name: flutter\_application\_1

description: "A new Flutter project."

publish\_to: 'none' # Remove this line if you wish to publish to pub.dev

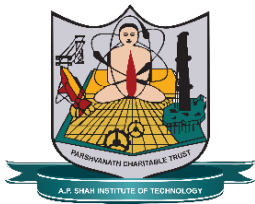
version: 1.0.0+1

environment:

sdk: ^3.6.0

dependencies:

flutter:



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sdk: flutter

cupertino\_icons: ^1.0.8

dev\_dependencies:

flutter\_test:

sdk: flutter

flutter\_lints: ^5.0.0

flutter:

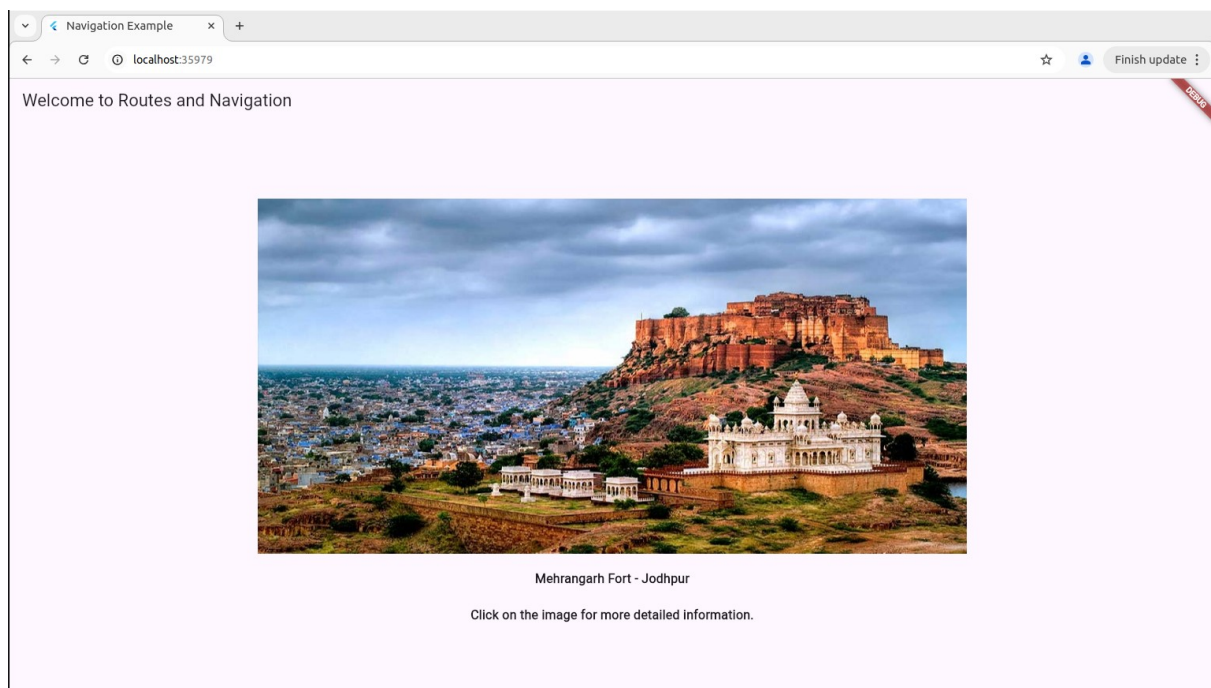
uses-material-design: true

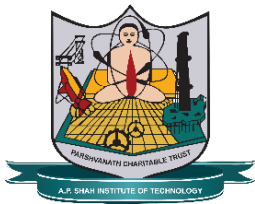
assets:

- assets/images/mehrangarh-fort.jpg

## Output :

### Screen 1 -





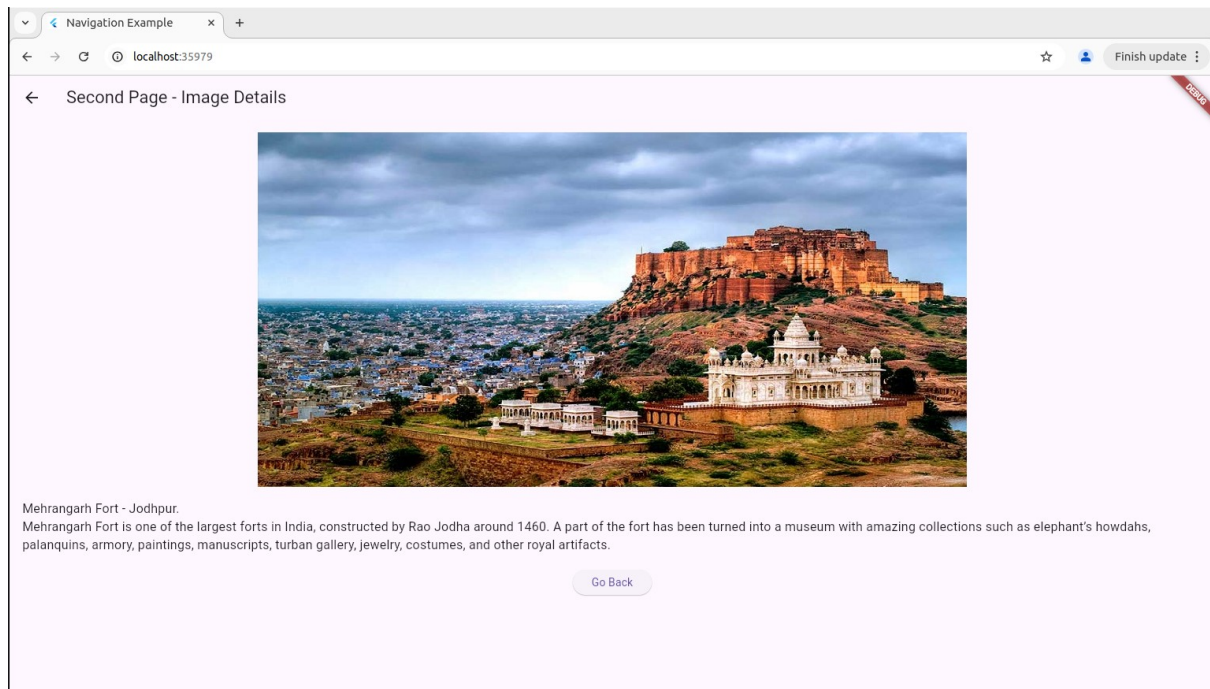
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## Screen 2 -



## Conclusion :

In this experiment we have apply and understood navigation and routing in Flutter App.