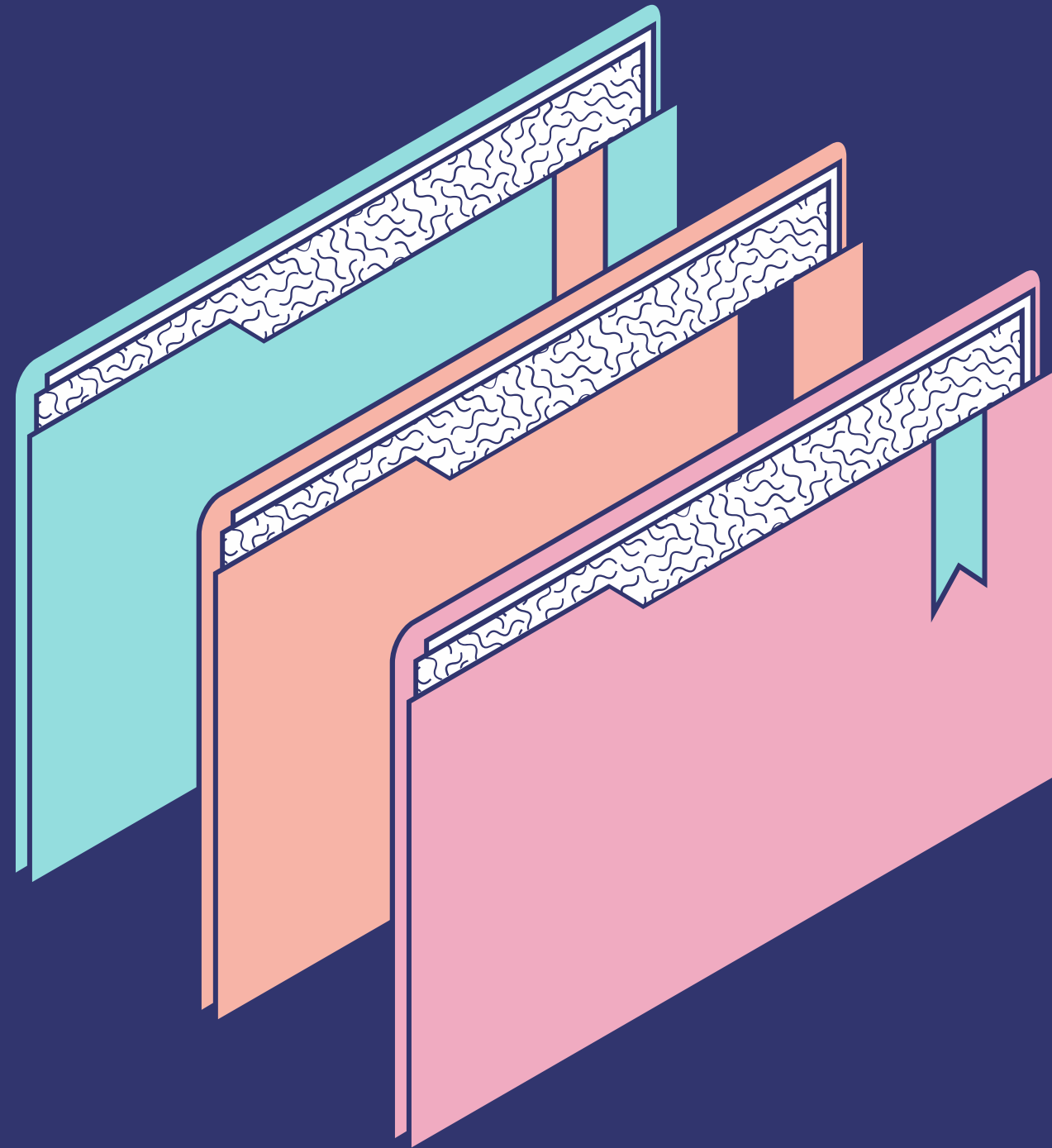HUMAN COMPUTER INTERACTION
PROJECT PRESENTATION #1

Smart Multi-Monitor Gaze Detection

Project Contributors (Group 17):-
1. Yash Khanna (2020A7PS1713G)
2. Pranay Nandan Varshney (2020A7PS1714G)
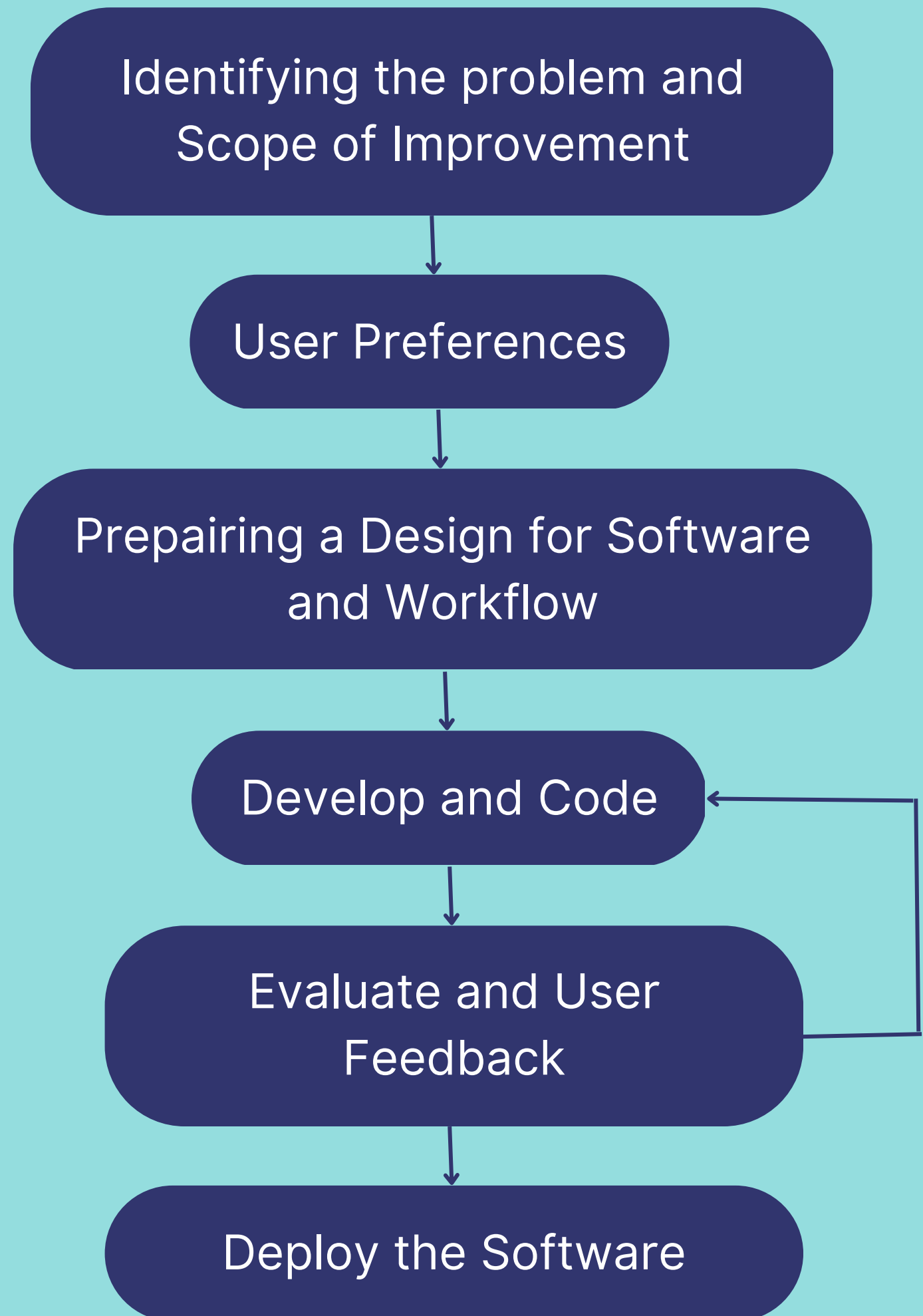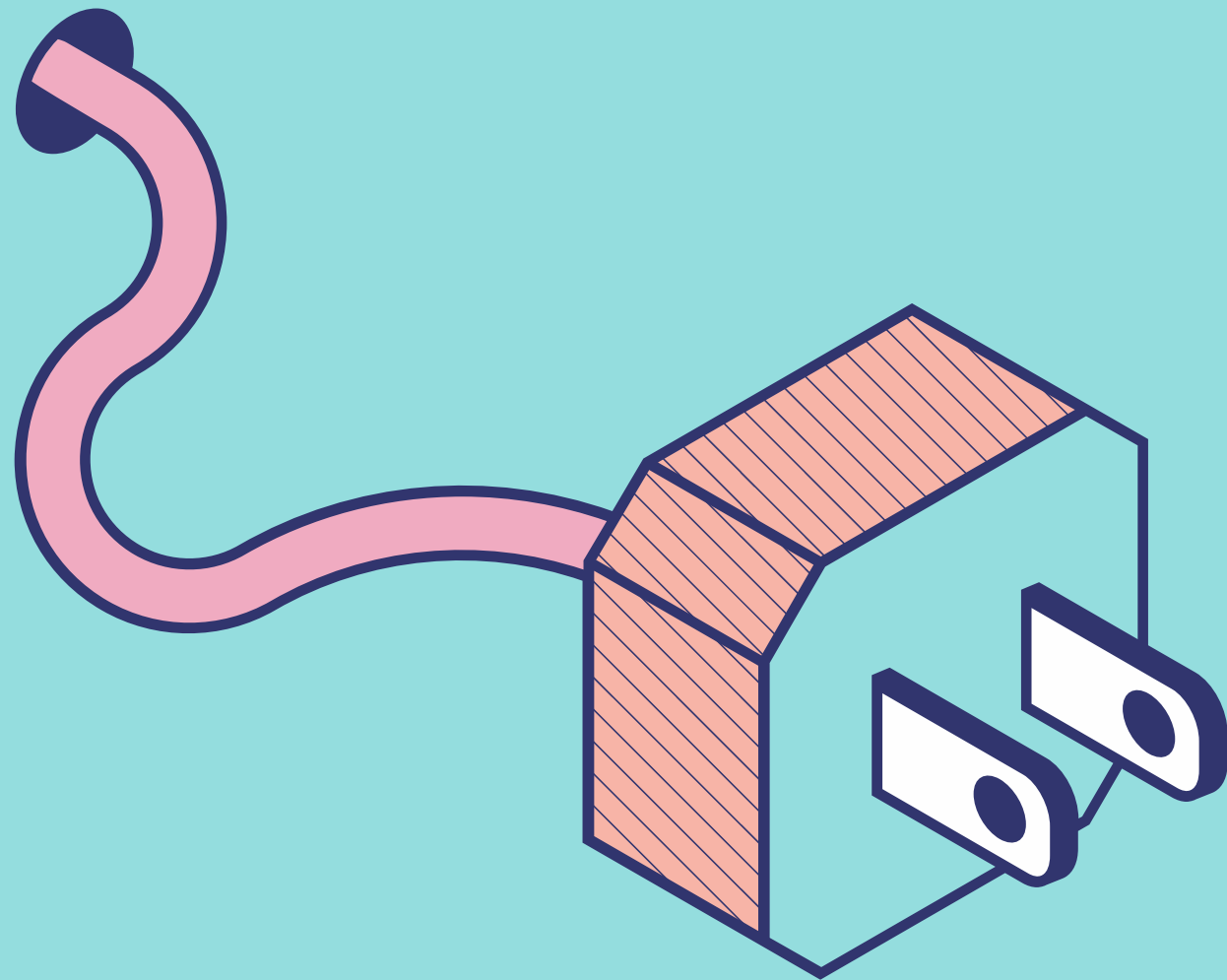3. Manank Patel (2020A7PS1696G)
4. Pratham Bhatnagar (2020A7PS1222G)

Objective:

TOGGLE ACTIVE WINDOW IN MULTI-MONITOR/MULTI-SCREEN ENVIRONMENTS USING GAZE TRACKING

- Building Functionality toggled by a hot-key to switch active windows using eye tracking.
- Applicable for both Single and Multi-Monitor Computer Setups.
- Reduce time spent switching active windows and spend more time on your work boosting productivity.

OK but, HOW?
Execution Flowchart

Identifying the problem and Scope of Improvement

↓

User Preferences

↓

Prepairing a Design for Software and Workflow

↓

Develop and Code

↓

Evaluate and User Feedback

↓

Deploy the Software

Outcome of the Project

Create a **Desktop Software** that lets users to use eye-coordination to shift tabs and work on multiple monitors without physically taking the cursor.

Project Milestones
- **Milestone 1:** Research about Eye-Tracking using webcam functionality available.
- **Milestone 2:** Track the User's current Area of Interest
- **Milestone 3:** Bring the two functionalities together, test and improve the design.