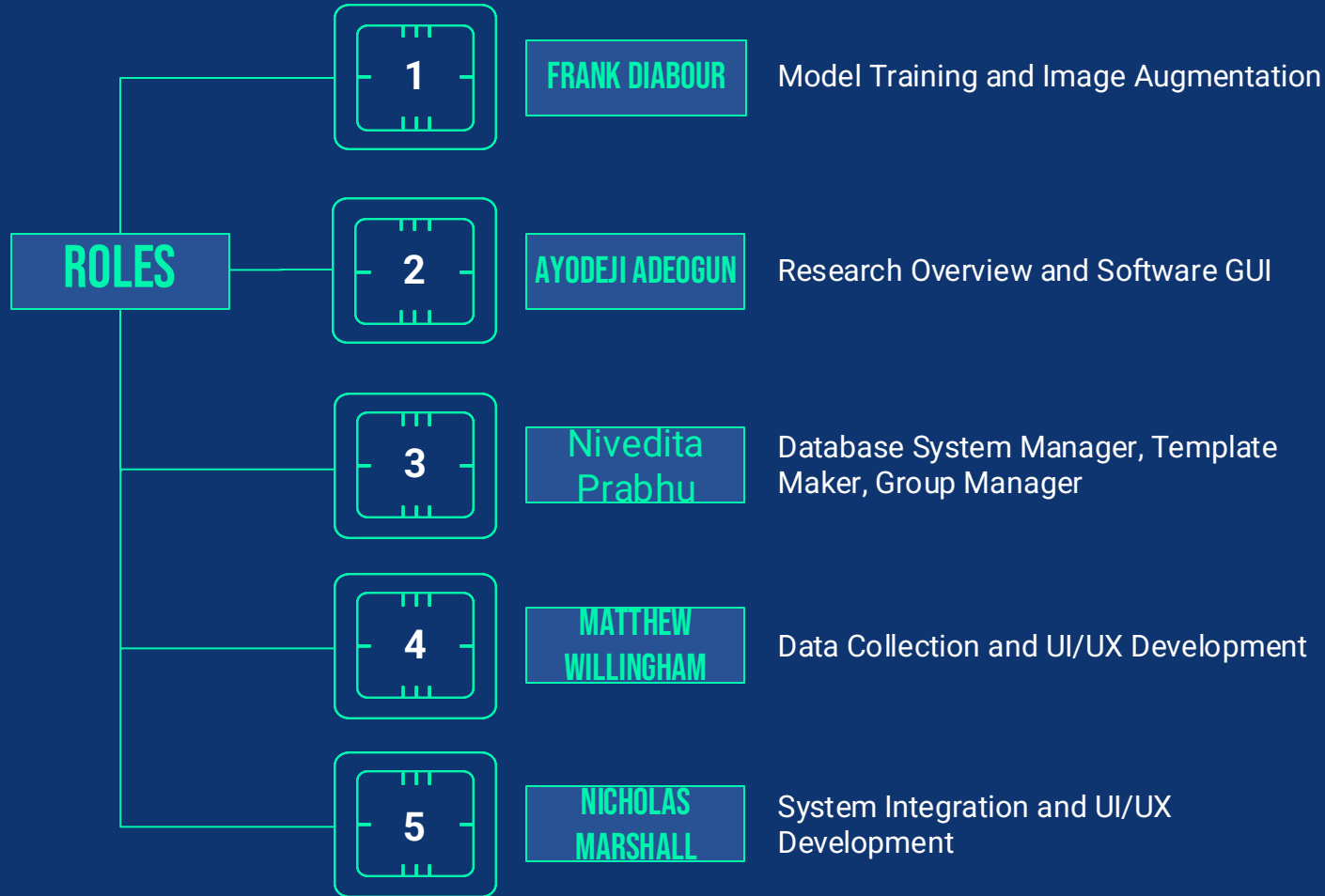


ROLES



TIMELINE



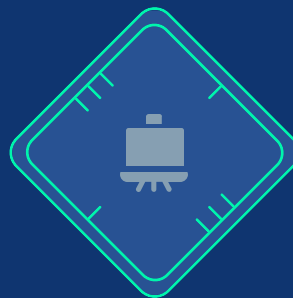
STAGE 01

Research &
Planning



STAGE 02

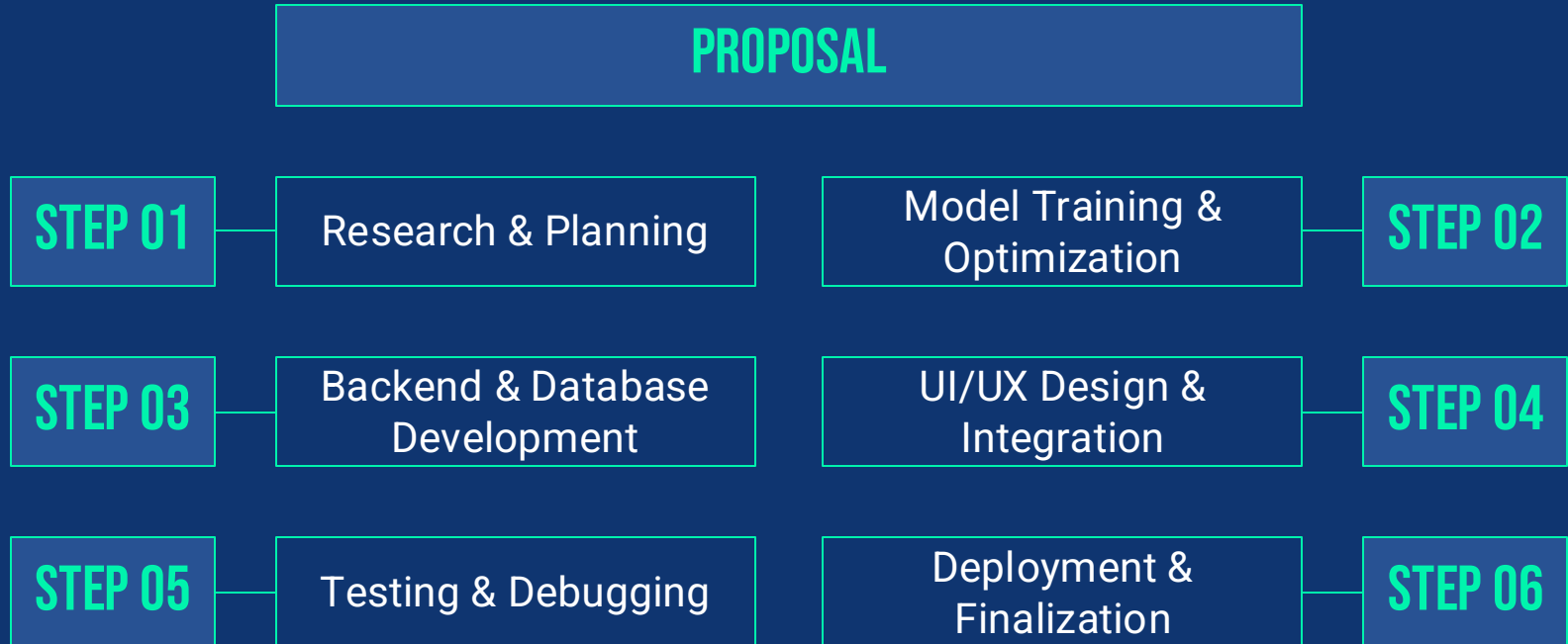
Development &
Implementation



STAGE 03

Testing & Deployment

CURRENT PROJECT STEPS/SCHEDULE



MEETING SCHEDULE

Date Range	Tasks to be Completed
Jan 23 – Feb 20 (Weeks 1-5)	Stage 1: Research & Planning <ul style="list-style-type: none">- Research YOLOv8 and face detection methods.- Define system architecture, database, and UI.- Collect and preprocess facial image dataset.- Review dataset quality and address ethical concerns.
Feb 20 – Mar 28 (Weeks 5-10)	Stage 2: Development & Implementation <ul style="list-style-type: none">- Train and optimize YOLOv8 for face detection.- Develop and integrate the attendance database.- Design and implement the user interface.- Connect the AI model, database, and UI.- Conduct initial testing of system components.
Apr 2 – Apr 24 (Weeks 11-14)	Stage 3: Testing & Deployment <ul style="list-style-type: none">- Perform full system testing (unit, performance, and user testing).- Debug issues and refine system accuracy.- Implement feedback-based improvements.- Finalize documentation and prepare presentation.
Apr 27 (Final Review)	Final System Check & Submission <ul style="list-style-type: none">- Review all components for final adjustments.- Submit the project and finalize presentation materials.

MEETING MINUTES (TUESDAY [2/4/25])

- We met online, Zoom, 12:30 pm - 1:30 pm
 - Everyone was in attendance
- We decided on what name for our project
 - "Efficient Attendance Monitoring Using AI-Based Face Detection"
- We decided what parts we wanted to research
 1. Data Collection and help with UI - Matthew Willingham
 2. Model Training, Image Augmentation - Frank Diabour
 3. Database System [Store Attendance] - Nivedita Prabhu
 4. System Integration [Model+Schema+UI] - Nicholas Marshall
- Discussing format and template designs of the project
 - Nivedita found a template for us
- Frank wrote the introduction during the meeting
- Ayodeji was taking notes of the meeting and filling in this presentation.

MEETING MINUTES (FRIDAY (2/21/25))

- We met in person, Library (4:00 - 5:15)
 - Everyone was in attendance
- Designating tasks needed for first step within timeline
 1. Collect images through imported databases(10000 images with 3 hours of training model)
 2. Database will be setup per course and R numbers will be associated with student faces
 3. Students face will be scanned then classes associated R numbers will be checked to verify if all students are accounted for or not
 4. Will be marked present or absent
- Ran practice run of training model, used 33 images of presidents and trained for 10 minutes. Accuracy greatly improves with the more images are presented to model rather than time elapsed for training.
- Discussed future plans for instance if we want to do a software or website
- Finally went over presentation schedule and discussed who is presenting what part of our powerpoint presentation