

Eduvance - Sprint1 Meeting Minutes

March 01, 2025

Meeting Details

- **Project:** Eduvance
- **Facilitator:** Fasi Tahir (Scrum Master)
- **Attendees:**

Name	Roll Number
Fasi Tahir (Scrum Master)	2022-CS-71
Wali Allah	2022-CS-86
Laiba Khan	2022-CS-70
Alishba Mazhar	2022-CS-74

Agenda

1. Sprint Planning

Sprint Length Discussion

- Alishba proposed a **1-week sprint**, while Fasi suggested a **2-week sprint** due to upcoming midterm exams.
- **Resolution:** Wali proposed dynamic sprint lengths per Agile methodology. The team agreed on a **2-week sprint**.

Sprint 1 Scope Discussion

- The team discussed the **core MVP features** and decided on Sprint 1 contents.
- **Conflict:** Alishba suggested excluding *Non-Teaching Staff Management* from Sprint 1. Wali argued it was essential.

- **Resolution:** The team agreed to include it but limit tasks due to midterms and technology adaptation.

Sprint 1 Tasks

1. Authentication

- **Epic:** Login
 - US1: Login
 - US2: Logout
 - US3: Change Password by Admin

2. User Management

- **Epic:** Student Management
 - US4: Add Student
 - US5: Update Student
 - US6: Delete Student
- **Epic:** Teaching Staff Management
 - US7: Add Teaching Staff
 - US8: Update Teaching Staff
 - US9: Delete Teaching Staff
- **Epic:** Non-Teaching Staff Management
 - US10: Add Non-Teaching Staff
 - US11: Update Non-Teaching Staff
 - US12: Delete Non-Teaching Staff

3. Class Management

- **Epic:** Admin Class Management
 - US13: Add Classes
 - US14: Delete Classes
 - US15: Update Classes

4. Course Management

- **Epic:** Admin Course Management
 - US16: Add Courses
 - US17: Delete Courses
 - US18: Update Courses
 - US19: Assign Courses to Teachers

Task Assignment

- **Fasi:** Authentication (Login, Logout, Change Password)
- **Wali:** Teaching
Non-Teaching Staff Management
- **Laiba:** Student Management
- **Alishba:** Admin Class
Course Management

2. Attribute Selection Database Structure

Defined Tables

Attributes

- **Student Table:** Name, DOB, CNIC, Contact Info, Address, Roll Number (auto-generated), Required Documents.
- **Teacher Table:** Name, CNIC, DOB, Contact Info, Employee Number (auto-generated), Experience, Subjects Assigned, Salary, Employment Type, Required Documents.
- **Non-Teaching Staff Table:** Similar to Teacher table but with Supervisor and Department fields.
- **Courses Table:** Course Code, Course Name, Description, Status, Assigned Teachers.
- **Classes Table:** Class Name, Sections, Courses, Student Strength.

3. Strategies

Future Considerations

- **File Storage Options:**
 - Wali: Virtual Machine (VM).
 - Fasi: GitHub repository.
- **Student Roll Number Generation:** Filter by class number and count students.

- **Future Enhancements:**

- Auto-generation of student/staff ID cards.
- Document verification before full system access.
- Aptitude Test Feature (planned for a future sprint).

4. Suggestions

Miscellaneous Discussions

- **Backlog Updates:** Class Management added (Alishba).
- **Scrum Board**
Documentation: Jira summary section suggested for screenshots (Alishba).
- **Frontend Review:** Prototype frontend demonstrated (Wali).

Meeting Adjourned

Minutes of Meeting (Scrum Meeting)

March 04, 2025

- **Project:** Eduvance
- **Meeting Date:** March 04, 2025
- **Attendees:**

Name	Roll Number
Fasi Tahir (Scrum Master)	2022-CS-71
Wali Allah	2022-CS-86
Laiba Khan	2022-CS-70
Alishba Mazhar	2022-CS-74

Discussion Summary

Fasi asked Alishba about the work she did on Monday. Alishba reported her work:

- **Task done:** Designed initial UI for course management main page and started working on add course modal.
- **Issues:** Faced issues with the modal (popup form) for adding a course.
- **Next to do:** Finalize the UI page. If completed on time, start its backend.

Fasi asked Laiba about her work on Monday. Laiba reported:

- **Task done:** Fixed the UI issue for the manage student main page.
- **Issues:** Faced responsiveness issues when adding pseudo data for students. The logout button in the side dashboard moves down as more data is added.
- **Next to do:** Try to fix the issue and start integrating the backend.

Fasi asked Wali about his work on Monday. Wali reported:

- **Task Done:** Drafted the basic UI layout for all tasks on paper.
- **Issues:** No major issues encountered.

- **Next to do:** Start prototyping the UI.

Then Fasi reported his own work:

- **Task Done:** Designed the UI for the login page.
- **Issues:** Faced styling issues with the page.
- **Next to do:** Improve the UI and start working on the backend.

Meeting Adjourned

Minutes of Meeting (Scrum Meeting)

- **Project:** EduVance
- **Meeting Date:** March 05, 2025
- **Attendees:**

Name	Roll Number
Fasi Tahir (Scrum Master)	2022-CS-71
Wali Allah	2022-CS-86
Laiba Khan	2022-CS-70
Alishba Mazhar	2022-CS-74

Meeting Discussion

Laiba's Report

- **Task Done:** Fixed the UI issue for the manage student main page.
- **Issues:** Struggled with fixing the issue but managed to solve it.
- **Next to do:** Start implementing the add student form.
- **Feedback:** Wali suggested adding filter and search functionality, and all members agreed.

Alishba's Report

- **Task Done:** Finalized the course creation main page and resolved issue with the add course modal.
- **Issues:** No particular issues faced.
- **Next to do:** Start the backend implementation for add student.
- **Feedback:** Same suggestion as Laiba's task.

Wali's Report

- **Task Done:** Implemented the drafted layout in the prototype.
- **Issues:** Faced issues with Tailwind's new version (v4), which introduced drastic command changes.

- **Next to do:** Finalize the UI of the teaching staff management main page.
- **Feedback:** Fasi suggested deciding a unified color theme, and Wali's selected color scheme was approved.

Fasi's Report

- **Task Done:** Finalized the login UI page.
- **Issues:** Due to exam preparation, unable to start the backend.
- **Next to do:** Start backend development for login.
- **Feedback:** Everyone liked the overall design.

Meeting Adjourned

Minutes of Meeting (Scrum Meeting)

- **Project:** EduVance
- **Meeting Date:** March 05, 2025
- **Attendees:**

Name	Roll Number
Fasi Tahir (Scrum Master)	2022-CS-71
Wali Allah	2022-CS-86
Laiba Khan	2022-CS-70
Alishba Mazhar	2022-CS-74

Meeting Discussion

Wali's Report

- **Task Done:** Designed the teaching staff management main page.
- **Issues:** No particular issue faced.
- **Next to do:** Will design add and update form modals.
- **Feedback:** No particular feedback.

Alishba's Report

- **Task Done:** Worked on suggestions. Watched a tutorial for MongoDB Atlas, created a cluster and collection, and connected it with the backend.
- **Issues:** Faced an issue regarding MongoDB Atlas connectivity due to password in the connection string.
- **Next to do:** Start working on the controller for adding courses.

Laiba's Report

- **Task Done:** Added add and update student form modals.
- **Issues:** No particular issue faced.
- **Next to do:** Start working on backend for adding students.

Fasi's Report

- **Task Done:** Created a database on MongoDB Atlas, connected it with the backend, and started working on backend development.
- **Issues:** No particular issue faced.
- **Next to do:** Complete the controller for login functionality.

Meeting Adjourned

Minutes of Meeting (Scrum Meeting)

- **Project:** EduVance
- **Meeting Date:** March 05, 2025
- **Attendees:**

Name	Roll Number
Fasi Tahir (Scrum Master)	2022-CS-71
Wali Allah	2022-CS-86
Laiba Khan	2022-CS-70
Alishba Mazhar	2022-CS-74

Meeting Discussion

Wali's Report

- **Task Done:** Finalized the update and add student modals.
- **Issues:** Faced an issue regarding the scrollbar setting, but fixed it.
- **Next to do:** As both teaching staff and non-teaching staff are almost the same, I will replicate this for non-teaching staff management.

Alishba's Report

- **Task Done:** Implemented controller and started working on route to connect frontend with backend.
- **Issues:** No particular issue.
- **Next to do:** Complete integration of frontend and backend, and start working on testing.

Laiba's Report

- **Task Done:** Watched a tutorial for MongoDB Atlas, created a cluster and collection, and connected it with the backend.
- **Issues:** Faced an issue regarding connectivity with MongoDB due to wrong configuration, but fixed it.
- **Next to do:** Start working on the controller for adding a student.

Fasi's Report

- **Task Done:** Implemented controller and integrated it with the frontend.
- **Issues:** Faced an issue regarding integration; user was present in the database, and database was connected, but query was returning null.
- **Next to do:** Fix the issue, implement JWT session, and start testing over the weekend.

Meeting Adjourned

Minutes of Meeting (Scrum Meeting)

- **Project:** EduVance
- **Meeting Date:** March 10, 2025
- **Attendees:**

Name	Roll Number
Fasi Tahir (Scrum Master)	2022-CS-71
Wali Allah	2022-CS-86
Laiba Khan	2022-CS-70
Alishba Mazhar	2022-CS-74

Meeting Discussion

Wali's Report

- **Task Done:** Replicated the UI successfully.
- **Issues:** No particular issue faced.
- **Next to do:** Will start working on backend for adding teaching staff.

Alishba's Report

- **Task Done:** Completed the backend for adding courses.
- **Issues:** The data was not adding to the database but fixed it.
- **Next to do:** Will start working on updating courses.

Laiba's Report

- **Task Done:** Added the add student controller and integrated it with the backend.
- **Issues:** Faced issues with routes (CORS) and picture uploading but fixed them.
- **Next to do:** Will start working on backend for updating students.

Fasi's Report

- **Task Done:** Fixed the issue, implemented JWT session, and tested functionality.
- **Issues:** No particular issue faced.
- **Next to do:** Suggested adding authorization for different admin roles. Everyone agreed, and the task was added to Jira.

Meeting Adjourned

Minutes of Meeting (Scrum Meeting)

- **Project:** EduVance
- **Meeting Date:** March 11, 2025
- **Attendees:**

Name	Roll Number
Fasi Tahir (Scrum Master)	2022-CS-71
Wali Allah	2022-CS-86
Laiba Khan	2022-CS-70
Alishba Mazhar	2022-CS-74

Meeting Discussion

Wali's Report

- **Task Done:** Started working on Add staff (teaching and non-teaching). Set up MongoDB Atlas and Cloudinary for document management. Started backend development in JavaScript.
- **Issues:** Faced issues related to API endpoints and mistakenly created the backend in .js format instead of .ts format.
- **Next to do:** Convert Backend to TypeScript and implement updating and deleting staff.

Alishba's Report

- **Task Done:** Completed the backend for updating and deleting courses.
- **Issues:** Initially deleted courses from the database but later realized from teammates that data should not be deleted, only the active status should be tracked. Fixed the issue.
- **Next to do:** Test the course update and delete functionality and start working on adding class functionality UI.

Laiba's Report

- **Task Done:** Integrated the backend API for updating student records.

- **Issues:** Initially, there was a connectivity issue between ‘server.js’ and the frontend. After resolving that, updating data caused a blank page to appear.
- **Next to do:** Finalize the update functionality.

Fasi’s Report

- **Task Done:** Fixed authentication issues where a user was able to bypass login by changing the URL.
- **Issues:** Found that after logging in as a student, a user could change the URL and access the admin dashboard.
- **Next to do:** Fix the authentication issue and start working on authorization.

Meeting Adjourned

Minutes of Meeting (Scrum Meeting)

- **Project:** EduVance
- **Meeting Date:** March 12, 2025
- **Attendees:**

Name	Roll Number
Fasi Tahir (Scrum Master)	2022-CS-71
Wali Allah	2022-CS-86
Laiba Khan	2022-CS-70
Alishba Mazhar	2022-CS-74

Meeting Discussion

Wali's Report

- **Task Done:** Fixed the issue and converted the files to .ts, and added staff (teaching and non-teaching) successfully.
- **Issues:** Faced multiple challenges during the conversion process. Encountered difficulties starting the 'server.ts' file due to dependency conflicts.
- **Next to do:** Implement API for updating staff details (Teaching + Non-Teaching), implement API for deleting staff from the database, add proper error handling and status codes, and test update & delete APIs.

Alishba's Report

- **Task Done:** Completed testing and UI of class management.
- **Issues:** Realized that all backend should be in TS but had done it in JS. Resolved the issue by converting all code to TS.
- **Next to do:** Work on backend for adding, updating, and deleting class functionality.

Laiba's Report

- **Task Done:** Completed the update functionality and started working on the backend for deleting student records.
- **Issues:** While implementing the delete functionality, user data was not being removed along with the student record.
- **Next to do:** Complete the delete functionality.

Fasi's Report

- **Task Done:** Fixed the issue and completed authentication, implemented logout functionality by removing the token assigned during login, started working on reset password functionality.
- **Issues:** Facing issue in sending email for resetting the password.
- **Next to do:** Implement email sending for password reset and work on authorization.

Meeting Adjourned

Minutes of Meeting (Scrum Meeting)

- **Project:** EduVance
- **Meeting Date:** March 13, 2025
- **Attendees:**

Name	Roll Number
Fasi Tahir (Scrum Master)	2022-CS-71
Wali Allah	2022-CS-86
Laiba Khan	2022-CS-70
Alishba Mazhar	2022-CS-74

Meeting Discussion

Wali's Report

- **Task Done:** Implemented API for fetching all staff (teaching and non-teaching) records. Added filtering options (by role, department, etc.). Implemented update & delete functionality.
- **Issues:** No particular issue faced.
- **Next to do:** Final testing & debugging.

Alishba's Report

- **Task Done:** Completed the backend of class functionality.
- **Issues:** Faced issue in handling multiple tables as course code is needed in class adding functionality and faced difficulty in accessing course code in class adding functionality but resolved it.
- **Next to do:** Testing of functionalities.

Laiba's Report

- **Task Done:** Implemented the delete functionality.
- **Issues:** Faced multiple connection issues and problems related to the 'dist' folder. As a result, user credentials were not properly deleted or updated while handling deletions and updates.
- **Next to do:** Will fix these issues and do final testing.

Fasi's Report

- **Task Done:** Implemented the sending of email notifications and authorization.
- **Issues:** In email notification faced the issue that it was giving an error of wrong credentials, found out that we need app passwords for that, so fixed it.
- **Next to do:** Test the authorization by trying to bypass it.

Conclusion

Fasi concluded the meeting by adding that on Friday (tomorrow) we will have a retrospective meeting and team members should write all the issues faced during the sprint and provide feedback on leadership. These will be discussed in the retrospective meeting.

Meeting Adjourned

Retrospective Meeting

- **Project:** EduVance
- **Meeting Date:** March 14, 2025
- **Attendees:**

Name	Roll Number
Fasi Tahir (Scrum Master)	2022-CS-71
Wali Allah	2022-CS-86
Laiba Khan	2022-CS-70
Alishba Mazhar	2022-CS-74

4 L's - Retrospective Feedback

Alishba's Report

Liked: Daily standups helped me to solve issues more easily. The transparency of project progress motivated me to complete tasks on time.

Learned: Learned a new technology stack and the importance of project management, specifically task division.

Lacked: We lacked proper communication, which caused issues in the database schema.

Longed for: I wish for better communication about the database schema in the next sprint planning.

Fasi's Report

Liked: The team environment was motivating, and everyone completed their tasks on time.

Learned: Learned about hierarchical task division (epics, user stories, tasks, subtasks) and how it improves efficiency. Also, learned a lot about authentication and authorization.

Lacked: We lacked a proper plan. Due to miscommunication about feature implementation, a lot of extra work was required.

Longed for: In future sprints, we should identify overlapping tasks and address them in sprint meetings and standups.

Laiba's Report

Liked: Work management was effective with daily task division, preventing overload.

Learned: Learned a new programming language (TypeScript).

Lacked: Lack of communication led to work conflicts. Also, faced challenges adapting to new technologies.

Longed for: During standups, we should not only discuss completed and upcoming tasks but also explain how we plan to implement them to avoid conflicts.

Wali's Report

Liked: Roles were not fixed (backend/frontend), giving everyone an equal opportunity to learn.

Learned: Learned a new technology stack.

Lacked: We didn't conduct proper research on best practices for implementation.

Longed for: I wish to structure the sprint backlog so that we finish tasks within the first week, reserving the second week for testing, debugging, and refining our work.

Meeting Adjourned

Eduvance -Sprint2 Meeting Minutes

- **Date:** March 17, 2025
- **Attendees:**
 - Wali Allah (2022-CS-86) - Scrum Master
 - Fasi Tahir (2022-CS-71)
 - Alishba Mazhar (2022-CS-74)
 - Laiba Khan (2022-CS-70)
- **Agenda:**
 - Task distribution for the sprint
 - Discussion on integration and feature improvements
 - Bug tracking and resolution
 - Database schema discussion for the next sprint

Key Points Discussed

1. New Column Addition

- A new column "To Be Integrated" will be added to track pending integrations.

2. Branch Creation & Task Distribution

Each member has been assigned specific tasks for the sprint:

- **Fasi:**
 - Integration
 - Teacher course view
- **Wali:**
 - Course material upload
 - Add time slot while adding a teacher during staff addition
- **Alishba:**
 - Mark attendance for staff/non-teaching staff

- **Laiba:**
 - Mark attendance for students

3. Feature Enhancements & Discussion

- **Staff Attendance System:**
 - Late arrivals will be marked with a red line.
 - In and out times will be recorded to help with salary management.
- **Teacher Attendance Automation:**
 - Teacher time slots will be recorded during staff addition.
 - This will help in automatically checking if a teacher is late.

4. Bug Tracking & Fixes

- **Alishba:** Fix Section table issues
- **Wali:** Add time slot functionality
- **Laiba:** Fix student's document addition using Cloudinary
- **Wali:** Remove the "Assign Subject" option from the Teacher module
- **Laiba:** Add student email to the User table
- **Wali:** Add User ID in the Teacher table
- **Laiba:** Implement automatic update of boys' and girls' strength upon student addition
- **Laiba:** Ensure section strength updates when a student is added
- **Laiba:** Add a new MongoDB collection with hardcoded data for now
- **Alishba:** Add Class ID in the Course table

5. Database Schema Discussion for Next Sprint

- **Section Schema:**

- Class ID
- Section Name
- Strength (Boys/Girls)

- **New Table: Teacher Assignment Table**

- Section ID
- Teacher ID
- Course ID
- Time Slot (to be recorded during teacher assignment)

- **Workflow of Alishba for Teacher Assignment Table:**

- Course selection → Section selection → Teacher assignment → Entry in the Teacher Assignment Table

- **Class Table Schema:**

- Class Name
- Session
- Timetable
- High Scorers

Action Items

- Resolve identified bugs.
- Implement the discussed tasks as per the distribution.
- Begin working on the new database schema for the upcoming sprint in next meeting.

Meeting Adjourned

Minutes of Meeting (Scrum Meeting)

- **Project:** EduVance
- **Meeting Date:** March 18, 2025
- **Attendees:**

Name	Roll Number
Fasi Tahir	2022-CS-71
Wali Allah (Scrum Master)	2022-CS-86
Laiba Khan	2022-CS-70
Alishba Mazhar	2022-CS-74

Meeting Discussion

Wali's Report

- **Task Done:** Fixed the bug where the Object ID of the User was not being stored in the Staff table. Ensured proper linking between User and Staff.
- **Issues:** Faced issues with Object ID references and database constraints while updating the Staff table.
- **Next to do:** Test the fixes thoroughly and verify data consistency in related tables.

Laiba's Report

- **Task Done:** Started fixing the previous sprint's issues and bugs. A major issue was fetching class and section IDs due to incorrect API responses.
- **Issues:** API-related issues caused fetching failures.
- **Next to do:** Reimplement the "Add Student" functionality by creating separate tables for sections and classes. Then, move on to fixing the "Delete Student" bugs.

Alishba's Report

- **Task Done:** Fixed the bug in the Section table that was left unresolved in Sprint 1.
- **Issues:** Faced difficulties creating the Section table and mapping it with the Class table, but resolved them.
- **Next to do:** Fix another bug related to Course Management functionality.

Fasi's Report

- **Task Done:** Designed UI for the Course view interface.
- **Issues:** No particular issue.
- **Next to do:** Waiting for the resolution of other issues before integrating functionalities. Meanwhile, will start working on the Course view backend.

Meeting Adjourned

Minutes of Meeting (Scrum Meeting)

Project: EduVance

- **Meeting Date:** March 19, 2025
- **Attendees:**

Name	Roll Number
Fasi Tahir	2022-CS-71
Wali Allah (Scrum Master)	2022-CS-86
Laiba Khan	2022-CS-70
Alishba Mazhar	2022-CS-74

Meeting Discussion

Wali's Report

- **Task Done:** Completed testing and verification for storing the User Object ID in the Staff table. Designed the UI and backend for adding a time slot while assigning a teacher in staff addition and implemented form validation.
- **Issues:** Faced minor issues with API response formatting and resolving duplicate entries in the database.
- **Next to do:** Start working on the course material upload feature by setting up the UI and basic file selection functionality.

Laiba's Report

- **Task Done:** Fixed bugs in the "Delete Student" functionality and started working on the "Update Student" feature.
- **Issues:** Faced multiple issues with data retrieval, class ID fetching, and incorrect username/password updates.
- **Next to do:** Continue working on resolving these issues.

Alishba's Report

- **Task Done:** Fixed the Course Management bug by adding 'classID' in the Course table for proper input handling and teacher assignment.

- **Issues:** Encountered issues with packages and routes, particularly fetching sections and teachers due to API problems.
- **Next to do:** Begin UI development for teaching and non-teaching staff attendance.

Fasi's Report

- **Task Done:** Integrated the management functionalities for teaching staff, non-teaching staff, authentication, and authorization.
- **Issues:** Encountered multiple package and route issues during integration.
- **Next to do:** While waiting for bug fixes, will implement the backend for viewing courses.

Meeting Adjourned

Minutes of Meeting (Scrum Meeting)

Project: EduVance

- **Meeting Date:** March 20, 2025
- **Attendees:**

Name	Roll Number
Fasi Tahir	2022-CS-71
Wali Allah (Scrum Master)	2022-CS-86
Laiba Khan	2022-CS-70
Alishba Mazhar	2022-CS-74

Meeting Discussion

Wali's Report

- **Task Done:** Designed and implemented the UI for course material upload, allowing users to select files.
- **Issues:** Faced UI alignment and validation issues while handling different file formats.
- **Next to do:** Integrate the backend API to store and retrieve course materials.

Laiba's Report

- **Task Done:** Resolved previous issues related to class name vs. class ID conflicts in data retrieval.
- **Issues:** Faced conflicts between displaying class names and handling IDs for fetching sections.
- **Next to do:** Start designing the UI for marking student attendance.

Alishba's Report

- **Task Done:** Designed the UI for teaching and non-teaching staff attendance.
- **Issues:** No particular issue.
- **Next to do:** Begin backend development for the staff attendance module.

Fasi's Report

- **Task Done:** Implemented and tested the backend for viewing courses.
- **Issues:** No particular issue.
- **Next to do:** Integrate management functionalities for courses, classes, students, and course assignments.

Meeting Adjourned

Minutes of Meeting (Scrum Meeting)

Project: EduVance

Meeting 1

- **Meeting Date:** March 21, 2025
- **Attendees:**

Name	Roll Number
Fasi Tahir	2022-CS-71
Wali Allah (Scrum Master)	2022-CS-86
Laiba Khan	2022-CS-70
Alishba Mazhar	2022-CS-74

Meeting Discussion

Wali's Report

- **Task Done:** Integrated the backend API for course material upload, ensuring proper file storage and retrieval.
- **Issues:** Encountered difficulties with large file uploads and UI progress tracking.
- **Next to do:** Retrospective Meeting.

Laiba's Report

- **Task Done:** Completed the UI for marking student attendance.
- **Issues:** No particular issue.
- **Next to do:** Will work on the backend for attendance marking in the next sprint. Retrospective Meeting.

Alishba's Report

- **Task Done:** Implemented backend functionality for teaching and non-teaching staff attendance.
- **Issues:** Faced issues with overlapping database tables and route conflicts.
- **Next to do:** Retrospective Meeting.

Fasi's Report

- **Task Done:** Integrated functionalities for course management, class management, student management, and course assignments.
- **Issues:** Faced issues with route conflicts and managing overlapping classes.
- **Next to do:** Retrospective Meeting.

Meeting Adjourned