



Computer Engineering Department  
CS491/2 Senior Design Project I/II



Meeting Minutes Document

**MEETING AGENDA**

|                            |            |              |       |
|----------------------------|------------|--------------|-------|
| <b>CS491 Team ID:</b>      | T2527      |              |       |
| <b>CS491 Project Name:</b> | CollabHub  |              |       |
| <b>Date of Meeting:</b>    | 21/11/2025 | <b>Time:</b> | 21:30 |

**1. Meeting Objective**

*Project Progress discussion meeting 2*

**2. Attendance at Meeting**

| <b>Student ID</b> | <b>Name</b>          | <b>E-mail</b>                   | <b>Attended (Y/N)</b> |
|-------------------|----------------------|---------------------------------|-----------------------|
| 22203827          | Tuna Göksal          | tuna.goksal@ug.bilkent.edu.tr   | Y                     |
| 22103515          | İbrahim Çaycı        | ibrahim.cayci@ug.bilkent.edu.tr | Y                     |
| 22201973          | Yiğit Özhan          | yigit.ozhan@ug.bilkent.edu.tr   | Y                     |
| 22101287          | Moin Khan            | moin.khan@ug.bilkent.edu.tr     | Y                     |
| 22203238          | Ömer Edip Aras       | edip.aras@ug.bilkent.edu.tr     | Y                     |
| Instructor I      | İlker Burak Kurt     | ilker.kurt@bilkent.edu.tr       | N                     |
| Instructor II     | Mert Bıçakçı         | mert.bicakci@cs.bilkent.edu.tr  | Y                     |
| Supervisor        | Ayşegül Dünder Boral | adundar@cs.bilkent.edu.tr       | N                     |



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### MEETING MINUTES

*Write down the subjects discussed during the meeting and clearly indicate assigned tasks, actions planned, deadlines that is advised/planned to be executed below.*

#### 3. Topics, Issues discussed during the meeting and Decisions taken

1. At the beginning of the meeting, we presented a much more refined and developed version of our idea, as recommended in the previous session. In its refined form, we explained that we plan to develop a Revit plugin supported by a robust backend. Since Revit opens and decrypts the project file, we can extract the API object data, store it in JSON or a similar format, and send it to our backend. As the user makes further changes and pushes those updates, the previous data will be compared with the new data, and all differences will be recorded and sent to the backend. When another user pulls the updates, those changes can be directly applied while keeping storage and data transfer minimal, since only the differences are stored and transmitted.

Initially, if possible, we plan to use the diffTool provided by Revit to allow users to view their old versus new model with highlighted differences. Later in development, we may create our own viewer to provide the same functionality with additional capabilities, such as merging—allowing users to selectively apply or reject changes if needed. Overall, this approach will enable version control, difference visualization, and potentially merging, all within Revit

2. The instructor liked the newly refined idea and noted that it makes our concept more unique and innovative compared to the earlier definition. He suggested gradually developing surveys as we progress through development, which we can potentially use next semester to gather user feedback on the UI and features.

3. After this, the instructor went through the Project Specification Document in detail, explaining each part and outlining what we need to include. He reviewed each section one by one, clarifying the requirements and expectations for the document.

4. After that, we asked a few questions about the specification document, including the clarifications we needed on Feasibility Discussions and the difference between Professional and Ethical Issues and Ethical Constraints. The instructor explained these points for us, and we concluded the meeting afterward.

5.

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| 4. Next Meeting (if planned) |  |       |  |
|------------------------------|--|-------|--|
| Date:                        |  | Time: |  |
| Objective:                   |  |       |  |