# College of Engineering and Technology

## Project Work/Internship – Student Hand Book

| Working Title of the Project: | Student Engagement in E - Learning System |
|---|---|
| Project Site / Location | Online Mode |
| Name and address of the company / organisation (Applicable for projects with industry or industry support) | SRM IST, Kattankulathur, Chengalpattu District-603203 |

| Supervision Team | | | |
|---|---|---|---|
| | **Supervisor** | **Co-Supervisor** | **External Supervisor (If applicable)** |
| Name | TVJ Naga Malleswari | | |
| Designation | Associate Professor | | |
| Department | CSE – NWC | | |
| Campus | Kattankulathur | | |
| Telephone | - | | |
| E-mail | nagamalt@srmist.edu.in | | |

| Name of student | Register Number | Department | Mobile Number | Email ID |
|---|---|---|---|---|
| Suyash Nigam | RA1911032010027 | CSE | 9838936135 | Sn7821@srmist.edu.in |
| Om Rajput | RA1911032010028 | CSE | 9008382917 | Or6857@srmist.edu.in |

| Degree/ program | B.Tech | Specialisation | Computer Science & Engineering |
|---|---|---|---|
| Academic Year | 2022-2023 (Even) | Semester | 8 |
| Course Code | 18CSP109L/ 18CSP111L | Course Title | Project/ Internship/ Project |

Mission Statement

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| Problem (or) Product Description: |
|---|
| The task is to implement an online meeting application with a student interactivity measurement feature.<br>The objectives of this project include -<br>A meeting platform for students as well as business professionals.<br>Participant interactivity measurement for the host.<br>Detailed focus analysis dashboard for the host. |
| **Assumptions and Constraints** |
| |
| **Stakeholders** |
| Due to low Bandwidth issues:<br>The video is not visible<br>voice breakage<br><br>Infrastructure Issues: The need for a computer, adequate software, constant electricity and high-bandwidth internet is quite a big demand.<br><br>Electricity: Many parts of India still have low electricity supply. |

**Division of work and contributors:**

| Time period | | Activities or components of the project | Name/Register Number of the Individual Contributor | Names/Register Number of the Joint Contributors |
|---|---|---|---|---|
| **From Date** | **To Date** | | | |
| 28-01-2023 | 09-02-2023 | Building and designing of Architectures for ML Model | RA1911032010027 | RA1911032010028 |
| 10-02-2023 | 14-02-2023 | Fixing Bugs and Errors | RA1911032010028 | RA1911032010027 |

| | | | | |
|---|---|---|---|---|
| 15-02-2023 | 16-02-2023 | First draft of Paper and Presentation | RA1911032010028 | RA1911032010027 |
| 16-02-2023 | 18-02-2023 | First Draft of Project report | RA1911032010028 | RA1911032010027 |
| 19-02-2023 | 26-02-2023 | Designing Frontend of video conference application | RA1911032010028 | RA1911032010027 |
| 27-02-2023 | 10-03-2023 | Making of complete draft of report and fixing errors in Model | RA1911032010028 | RA1911032010027 |
| 11-03-2023 | 16-03-2023 | Fixing errors and bugs in the meet application | RA1911032010028 | RA1911032010027 |
| 17-03-2023 | 25-03-2023 | Making complete draft of Research paper | RA1911032010028 | RA1911032010027 |
| 26-03-2023 | 03-04-2023 | Making complete draft of report and PPT for review | RA1911032010028 | RA1911032010027 |
| 05-04-2023 | 12-04-2023 | Making changes in content and grammatical errors in research paper | RA1911032010028 | RA1911032010027 |
| 13-04-2023 | 15-04-2023 | Submitted research paper to Journal and Fixing errors in Deep Learning model | RA1911032010028 | RA1911032010027 |
| 17-04-2023 | 25-04-2023 | Completing Frontend of meet application and implementation of WebRTC | RA1911032010028 | RA1911032010027 |
| 26-04-2023 | 05-05-2023 | Completing Final draft of project report and fixing errors | RA1911032010028 | RA1911032010027 |
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| | | | | |
| | | | | |

**Summary record of major progress meetings with supervisors**

| Summary record of major progress meetings with supervisors | | Working title of dissertation/ research project: | | |
|---|---|---|---|---|
| **Meeting date & supervisors present** | **Progress since last meeting** | **Agreed programme of work and target dates** | **Other issues, e.g. facilities, supervision, training needs, etc.** | **Date of next meeting** |
| 20-01-2023  Naga Malleswari Mam | Pitching the Idea | 16-02-2023  Completion of First Draft and ML Model | NONE | 16-02-2023 |
| 16-02-2023  Naga Malleswari Mam | Presenting the ML Model | 28-02-2023  Draft of Project report and Paper | NONE | 28-02-2023 |
| 27-02-2023  Naga Malleswari Mam | Draft of Paper and Project report,  Demo of Frontend of meet application | 25-03-2023  Fix bugs in frontend, Search for suitable journal | NONE | 25-03-2023 |

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|---|---|---|---|---|
| **Meeting date & supervisors present** | **Progress since last meeting** | **Agreed programme of work and target dates** | **Other issues, e.g. facilities, supervision, training needs, etc.** | **Date of next meeting** |
| 25-03-2023 | Fixed bugs in frontend, Completed draft of paper, Made draft of , Fixed bugs in model | Study and implement WebRTC, Make slight changes in research paper | WebRTC | 25-04-2023 |
| 25-04-2023 | Completely implemented WebRTC into meet application,meet application compeled without integration of model | Learn about integration of meet application with Deep learning model to detect student engagement | Integration of Meet | 15-05-2023 |