**Anjuman-I-Islam**

**M.H. Saboo Siddik Polytechnic**



ADVANCED JAVA (22512) MICROPROJECT

COMPUTER ENGINEERING DEPARTMENT

CO-5I

TITLE: Chat Application (TalkWave) Via Servlet

YEAR: 2023-24

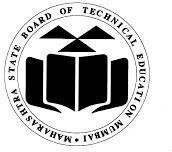
**Prepared by:**

210451: Abdurrahman Qureshi

210455: Oaish Qazi

220486: Hussain Shaikh

**Under the guidance of**: Prof. Zaibunnissa Malik



**MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION**

**Certificate**

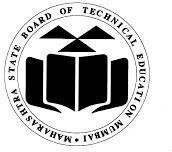
This is to certify that Mr. Abdurrahman Qureshi Roll no. 210451 of fifth semester of Diploma in Computer Engineering of institute M.H. Saboo Siddik Polytechnic (code: 0002) has completed micro project satisfactorily in the subject: AJP (22517) for the academic year 2023-24 as prescribed in the curriculum.

Place: Byculla, Mumbai Enrolment no:2100020112

. Date : Exam seat no:

|  |  |  |
| --- | --- | --- |
| **Signature** | **Signature** | **Signature** |
| **Project guide** | **H. O. D** | **Principal** |

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**Certificate**

This is to certify that Mr. Oaish Qazi Roll no. 210455 of fifth semester of Diploma in Computer Engineering of institute M.H. Saboo Siddik Polytechnic (code:0002) has completed micro project satisfactorily in the subject: AJP (22517) for the academic year 2023-24 as prescribed in the curriculum.

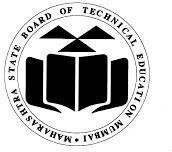
Place: Byculla, Mumbai Enrolment no: 2100020108

Date: Exam seat no:

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| **Signature** | **Signature** | **Signature** |
| **Project guide** | **H. O. D** | **Principal** |

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This is to certify that Mr. Hussain Shaikh Roll no. 220486 of fifth semester of Diploma in Computer Engineering of institute M.H. Saboo Siddik Polytechnic (code:0002) has completed micro project satisfactorily in the subject: AJP (22517) for the academic year 2023-24 as prescribed in the curriculum.

Place: Byculla, Mumbai Enrolment no: 2200020625

. Date: Exam seat no:

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| **Signature** | **Signature** | **Signature** |
| **Project guide** | **H. O. D** | **Principal** |

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ACKNOWLEDGMENT

We wish to express our profound gratitude to our guide Ms. Zaibunnissa Malik who guided us endlessly in the framing and completion of the micro project. He guided us on all the main points in that micro project. We are indebted to his

constant encouragement, cooperation, and help. It was his enthusiastic support that helped us in overcoming various obstacles in the micro-project.

We are also thankful to our Principal, HOD, faculty members and classmates of Computer Engineering department for extending their support and motivation in the completion of this micro-project.

Names of Team Members with Roll Nos.

1. Abdurrahman Qureshi : 210451
2. Oaish Qazi : 210455
3. Hussain Shaikh : 220486

***Micro project proposal***

**Title of micro project: Chat Application (TalkWave) Via Servlet**

1. **Aims/Benefits of micro project**

Chat app (TalkWave) aim to connect people irrespective of their geographical locations. They break down communication barriers and allow users to stay in touch with friends, family, colleagues, or like-minded individuals. An ongoing aim is to gather user feedback and continually improve the app by fixing bugs, enhancing features, and adapting to changing user needs and technology trends.

1. **Course outcomes addressed**

* Develop programs using GUI Framework (AWT and Swing).
* Handle events of AWT and Swings components.
* Develop programs to handle events in Java Programming.
* Develop Java programs using networking concepts.
* Develop programs using database.
* Develop programs using Servlets.

1. **Proposed methodology**

1. Discussion of topic with guide and group members.

2. Dividing the work and Gathering information about the project.

3. Submission of project proposal. (Annexure I).

4. Collection and Analysis of data / information from various Chat Applications:

• WhatsApp

• iMessage

• Telegram

• Messenger

1. Building the Home Page with Login functionality.
2. Building the Friends Section.
3. Building the Chat Section.
4. Building the Suggested Section.
5. Building and linking the Database with the app.
6. Integration of all the Webpages.
7. Testing the Project for Bugs and Errors.
8. Preparation of the project report (Annexure II).
9. Micro project Submission and Viva.
10. **Action Plan**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Weeks** | **Details of activity** | **Planned start date** | **Planned finish date** | **Name of responsible team members** |
| 1& 2 | Discussions & finalization of topics |  |  | All |
| 3 | Dividing the work among group members  Servlet/Database/JavaScript |  |  | All |
| 4 | Submission of micro project proposal (Annexure I) |  |  | All |
| 5 | Collection of the information of the topics  Servlet/Database/JavaScript |  |  | All |
| 6 | Collection of all relevant content / materials for the execution of the project. |  |  | All |
| 7 | Execution of collected data and preparing layout of the website and building different pages of the website. |  |  | Oaish/Abdurrahman |
| 8 | Final Testing of Individual Tasks |  |  | Oaish |
| 9 | Integration of all the Webpages |  |  | Oaish/Abdurrahman |
| 10 | Testing the project for bugs and errors |  |  | Oaish/Abdurrahman |
| 11 | Preparation of the project report (Annexure II) |  |  | Oaish/Abdurrahman |
| 12 | Micro Project Submission and Viva |  |  | All |

1. **Resources required**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. no.** | **Name of resources** | **Specifications** | **Qty** | **Remarks** |
| 1. | Website | https://www.javatpoint.com/servlet  <https://www.w3schools.com/> | 2 sites |  |
| 2. | Desktop | Microsoft word, Notepad, Chrome and other tools with internet facility. | 1 for each |  |

Names of Team Members with Roll Nos.

1. Abdurrahman Qureshi - 210451
2. Oaish Qazi - 210455
3. Hussain Shaikh - 220486

Approved by:

Sign of Faculty:

Name of faculty: Prof. Zaibunnissa Malik

**Annexure IV Micro Project Evaluation Sheet**

**Name of Student: ............................................. Enrollment No: ..............................**

**Name of Programme: .................................................. Semester: .....................**

**Course Title: ..................................................... Code: ............................................. Title of the Micro-Project: ..........................................................................................**

### Course Outcomes Achieved: -

1. **..................................................................................................................**
2. **...................................................................................................................**
3. **..................................................................................................................**
4. **..................................................................................................................**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sr. No.** | **Characteristics to be assessed** | **Poor (Marks 1** - **3)** | **Average (Marks 4** - **5)** | **Good**  **(Marks 6** - **8)** | **Excellent (Marks 9- 10)** | **Sub Total** |
| (A) Process and Product Assessment (Convert above total marks out of 6 Marks) | | | | | |  |
| 1 | Relevance to the course |  |  |  |  |  |
| 2 | Literature Review/information collection |  |  |  |  |
| 3 | Completion of the Target as per project proposal |  |  |  |  |
| 4 | Analysis of Data and representation |  |  |  |  |
| 5 | Quality of Prototype/Model |  |  |  |  |
| 6 | Report Preparation |  |  |  |  |
| (B) Individual Presentation/ Viva (Convert above total marks out of 4 Marks) | | | | | |  |
| 7 | Presentation |  |  |  |  |  |
| 8 | Viva |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **(A)**  **Process and Product Assessment (6 marks)** | **(B)**  **Individual Presentation & viva (4 marks)** | **Total Marks**  **10** |
|  |  |  |

### Comments/Suggestions about teamwork/leadership/inter-personal communication (if any)

**………………………………………………………………………………………………………………… …………………………………………………………………………………………………………………**

**Name and designation of the Teacher …………………........................**

### Dated Signature ……………………………………