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| Course Teacher Name: | Dr. Muhammad Firoz Mridha | | |
| Title of HCI Project: Emotion Detection Smart Mirror | | | |
| Group Members: Name | | ID | Email |
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| Theme of the project: | The theme of the projects is "magic mirror" using Raspberry Pi, which is an interactive mirror that can display customized content and provide functionalities such as voice control and emotion detection. | | |
| General Description of the Idea (100 to 200 words)  Please indicate the problem that is to be addressed by this idea. Also, indicate how this problem has been addressed in the recent system. | | | |
| The idea of a smart mirror is to provide an interactive and personalized experience for users by incorporating technology into a traditional mirror. It offers customized content, voice control, and even emotion detection using Raspberry Pi as the central platform.  The problem being addressed by this idea is the lack of personalization and interactivity in traditional mirrors. Smart mirrors have addressed this issue by incorporating various technologies such as voice recognition, motion sensors, and emotion detection. However, these systems can be expensive and not accessible to everyone. By using Raspberry Pi, a credit-card sized computer, users can create their own personalized mirror with the features they want at an affordable cost.  Recent advancements in artificial intelligence and machine learning algorithms have further improved the functionality of smart mirrors, but the idea remains accessible to anyone who wants to build their own customized smart mirror. | | | |
| Project Block Diagram: | | | |
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