Internet Of Things – Group 1

\mathbf{AQM}

Phase 4: Development Part 2

Team Members:

Saraniya.S

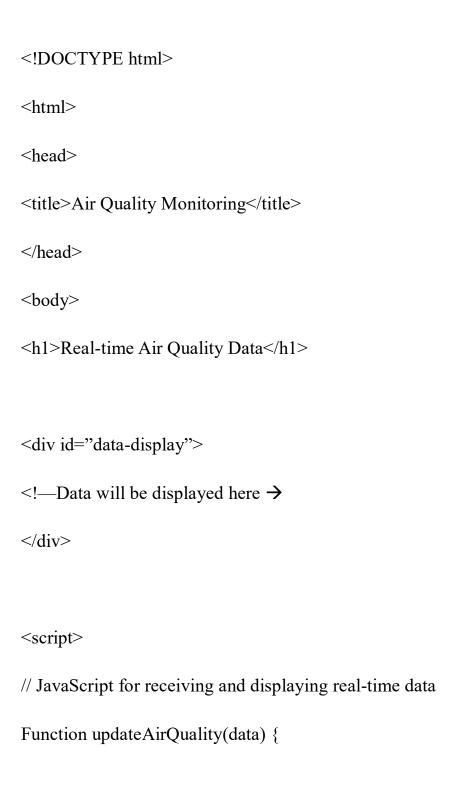
Divya Geetha.N

Sushma.K

Kavya Aarthi.G

Phase 4: Development Part 2

Design of the platform using HTML to receive and display air quality data sent by the IoT devices.



```
// Update the data-display div with the received data
Document.getElementById("data-display").innerHTML = `PM2.5:
{\data.pm25} \mu g/m^3  PM10: {data.pm10} \mu g/m^3  Temperature:
${data.temperature} °CHumidity: ${data.humidity}%`;
}
// Simulate receiving data from IoT devices (replace with actual data retrieval)
setInterval(function() {
const simulatedData = {
pm25: Math.random() * 100,
pm10: Math.random() * 100,
temperature: 25 + Math.random() * 10,
humidity: 40 + Math.random() * 20
};
updateAirQuality(simulatedData);
}, 5000); // Update every 5 seconds
</script>
</body>
</html>
```

We create a basic HTML structure with a title and a heading for the web page.

The <div id="data-display"> element is where the air quality data will be displayed.

We use JavaScript to update the data in real-time. The updateAirQuality function is called with new data, and it updates the content of the data-display div.

For demonstration purposes, we simulate receiving data every 5 seconds. In a real application, you would replace this with code to receive data from your IoT devices.