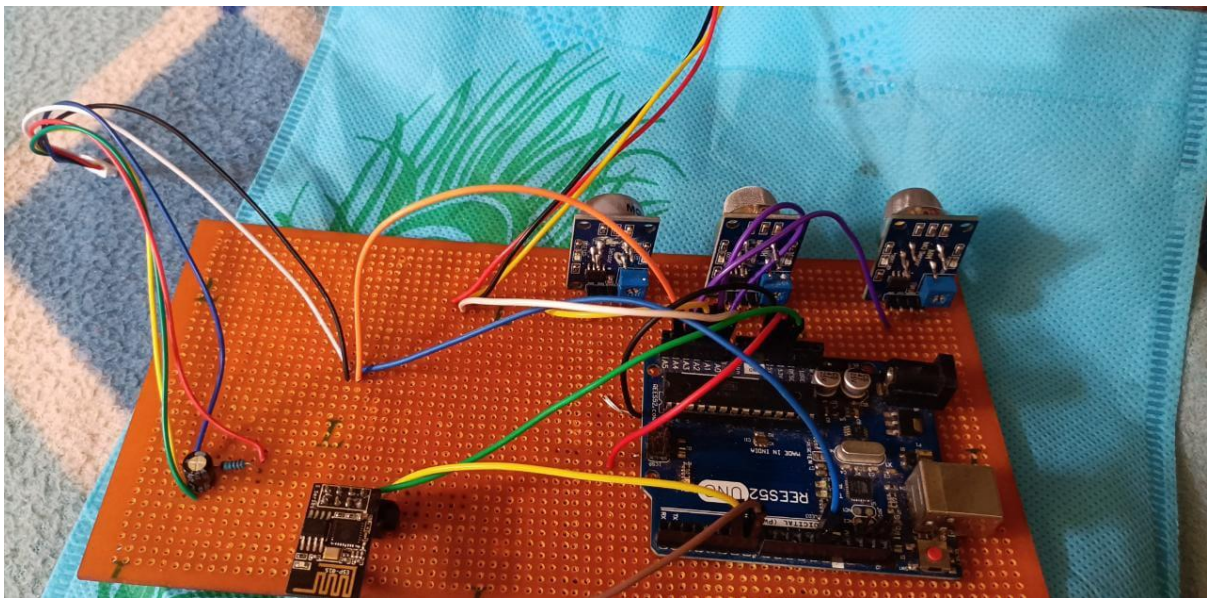
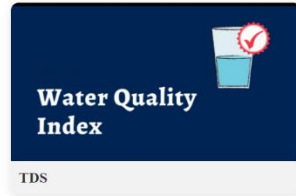


IoT Based Projects

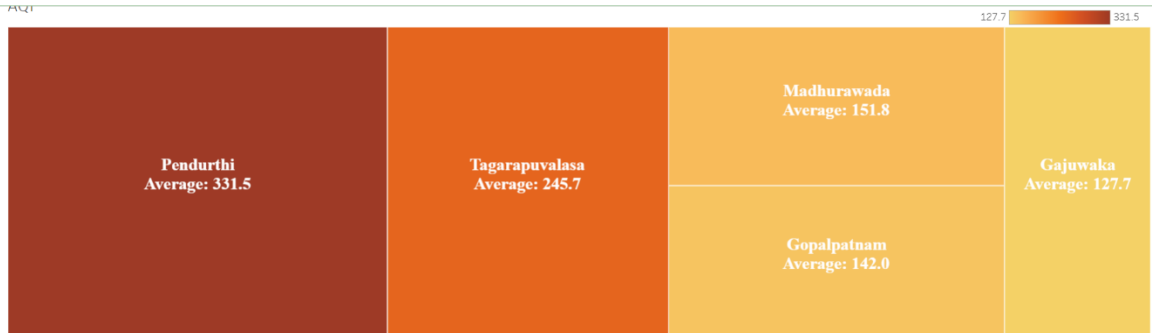
Project1 : The monitoring of air and water quality

The monitoring of air and water quality is crucial to maintain a healthy environment and prevent the spread of diseases. In today's world, where environmental pollution is a growing concern, continuous monitoring of air and water quality parameters is necessary to avoid any adverse effects on human health and the ecosystem. The use of IoT and machine learning technologies enables the collection of accurate and timely information on the quality of air and water in a particular location. The system employs multiple sensors and devices that collect environmental data, which is then stored in an Excel sheet by connecting devices through a data streamer. The system aims to provide precise and real-time information on parameters such as harmful gases, particulate matter, and total dissolved salt levels. The Random Forest classifier is used as a model to predict air and water quality. This proposed IoT-based system provides a cost-effective and scalable solution for monitoring air and water quality in real-time, allowing for timely intervention to mitigate pollution and enhance overall public health.





file:///C:/Users/palivela_hema/Desktop/project%20tab/gajuwaka.html



Pendurthi



Tagarapavalasa



Madhurawada



Gopalpatnam



Gajuwaka

Measure Values
 127.7 331.5