

Conclusion:

The purpose of this project is to develop a monitoring system which keeps track of the solar energy collected from the solar panels. The panels are located on top of the roof of the L building of Humber College North Campus. This system will monitor the current power status, daily and total energy yield. The data is then sent to the database where it will be stored for 30 days. On the contrary, the status of each solar panels will be updated every 30 minutes and display a history of all previous entries up to 10. As a result, this gives an opportunity to allow the Humber community to recognize the importance of solar energy. The mobile application will include these features but also give an additional educational purpose that teaches users the significance. This will allow the Humber community to monitor the status of the solar panels on the mobile and web application. Additional features will include the current weather temperature on the web application which will make it appealing. Also, it is useful as it provides the current weather status of how hot, warm, or cold it is outside.