NALAIYATHIRAN

HX8001-PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP

REAL-TIME RIVER WATER QUALITY MONITORING

TEAM

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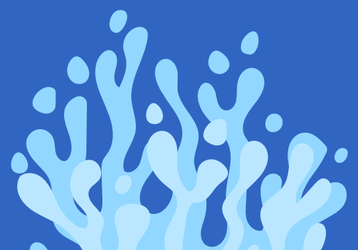
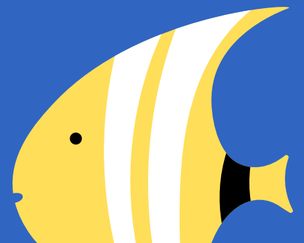
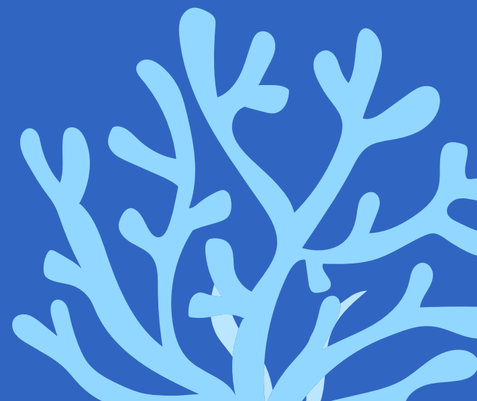




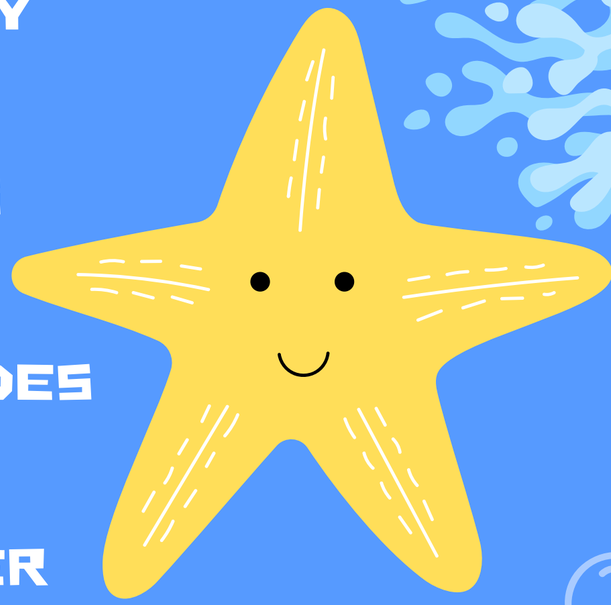


PROBLEM STATEMENT

THE ENVIRONMENT AROUND CONSISTS OF FIVE KEY ELEMENTS E.G., SOIL, WATER, CLIMATE, NATURAL VEGETATION, AND LANDFORMS. AMONG THESE WATER IS THE UTMOST CRUCIAL ELEMENT FOR HUMAN LIFE. IT IS ALSO VITAL FOR THE PERSISTENCE OF OTHER LIVING HABITATS. WHETHER IT IS USED FOR DRINKING, DOMESTIC USE, AND FOOD PRODUCTION OR RECREATIONAL PURPOSES, SAFE AND READILY AVAILABLE WATER IS THE NEED FOR PUBLIC HEALTH. IT MAKE SOME HEALTH ISSUES TO HUMAN BEINGS

PROSSED SOLUTION

WE DEPICT THE DESIGN OF WIRELESS SENSOR NETWORK (WSN) [4-7] THAT ASSISTS TO MONITOR THE QUALITY OF WATER WITH THE SUPPORT OF INFORMATION SENSED BY THE SENSORS DIPPED IN WATER. USING DIFFERENT SENSORS, THIS SYSTEM CAN
COLLECT VARIOUS PARAMETERS FROM WATER, SUCH AS PH, DISSOLVED OXYGEN, TURBIDITY, CONDUCTIVITY, TEMPERATURE, AND SO ON.
THE RAPID DEVELOPMENT OF WSN TECHNOLOGY PROVIDES A NOVEL APPROACH TO REAL-TIME DATA ACQUISITION, TRANSMISSION,
AND PROCESSING. THE CLIENTS CAN GET ONGOING WATER QUALITY INFORMATION FROM FAR AWAY.



DEMO LINK

01 Mobile App

https://drive.google.com/file/d/1iFb1Y_D2UMiKKwf1426DE-HnXPjS6m6d/view?usp=share_link.

02 Wokwi connection

https://drive.google.com/file/d/1ucphiG8hfXvZSSZ573ykrEgv5kaApJe/view?usp=share_link