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The theme of the project is Marine and concept is a safety Sense Buoy. What is a safety buoy? A safety buoy is a brightly coloured, inflatable buoy with a waist belt that visibly floats behind the swimmer. The performance or swim stroke isn’t affected by the buoy.

Uses

1. To keep the swimmer afloat and makes he/she more visible in the water
2. A useful inside pocket makes it possible to bring personal items when swimming

My team and i will be working on a device in form an emergency button ,when pressed by the swimmer will notify nok and then emergency service. Once notified the location of the swimmer is sent to the emergency services for rescue.

Tools, Technologies and Equipment

1. Apps such as Twitter and Facebook and MQTT dash.
2. IOT/Analytic platform such as ThingSpeak and Wia.
3. Hardware that make up the sensing device such as the waterproof DS1BB20 and battery e.t.c.