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(57) Abstract :

An underwater exploration device comprises a housing 1 developed to be submerged into a waterbody for exploring underwater marine life, multiple motorized propellers 2 attached on housing 1 for propelling housing 1, an imaging unit 3 for capturing and processing images of surrounding environment, a database for storing captured images of marine life, a computing unit is accessed by user for visualizing captured images to user and controlling movement of housing 1 within waterbody for exploring different realms of marine life, a LDR (Light Dependent Resistor) sensor for monitoring light intensity of surrounding, multiple of LEDs (Light Emitting Diode) 4 for providing light to imaging unit 3 to observe underwater life in dark, a sonar sensor for monitoring density of marine life, an ultrasonic sensor for monitoring distance of marine life from housing 1 for preventing any harm to marine life.

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