

EMERGENCY ROBOTIC WATER RESCUE SYSTEM

CATEGORY: ENGINEERING AND TECHNOLOGY

RELEVANCE

DRONE BASED PLATFORM: EQUIPPED WITH A PRECISE DROPPING MECHANISM FOR RESCUE EQUIPMENT

INNOVATIVENESS

RESCUE EQUIPMENT: LIFE JACKET TUBE FOR IMMEDIATE ASSISTANCE

METHODOLOGY

- A. DETECTION: DRONE DETECTS A PERSON IN DISTRESS USING SENSOR
- B. NAVIGATION: DRONE NAVIGATES TO THE VICTIMS LOCATION
- C. DEPLOYMENT: RESCUE EQUIPMENT IS DROPPED DIRECTLY TO THE VICTIM'S LOCATION
- D. VICTIM RECEIVES IMMEDIATE FLOATATION SUPPORT UNTIL RESCUE TEAM ARRIVES

FOR SAVING ONE PERSON REST THREE LIFE GONE



PROBLEM:-

TRADITIONAL RESCUE METHODS FOR DROWNING VICTIMS OFTEN FACE SIGNIFICANT DELAY, PUTTING LIFE AT RISK

SOLUTION:- THE ERWRS OFFERS A RAPID AND EFFICIENT SOLUTION USING DRONE BASED TECHNOLOGY

OUTCOME/CONCLUSION

THE ERWRS REPRESENTS A SIGNIFICANT ADVANCEMENT IN WATER SAFETY COMBINING INNOVATION WITH PRACTICALITY. BY LEVERAGING DRONE TECHNOLOGY THIS SYSTEM AIMS TO SAVE LIVES AND SET NEW STANDARD IN EMERGENCY RESPONSE