

PROTOTYPE OF INTEGRATED POINT AND DUCK WAVE ENERGY CONVERTOR

R. D. GORLE¹, MAYUR BHANUSE², RUPESH TATTE³, SHUBHAM KAPLE⁴ & MANGESH GHANOKAR⁵

¹Assistant Professor, Dr. Babasaheb Ambedkar College of Engineering and Research, Nagpur, India

^{2,3,4,5}Final Year Student Dr. Babasaheb Ambedkar College of Engineering and Research, Nagpur, India

ABSTRACT

The research explained in this project was carried out to analyze and design a point absorber wave energy convertor that has ability to survive extreme weather conditions and the need to achieve cost-efficiency while achieving high capacity. In this project an attempt is made to integrate the two technologies of wave energy convertor to achieve greater electricity production. An approach is made to minimize the cost of production of wave energy convertor. The two technologies are merged to gain the advantages of both in simple and efficient way.

KEYWORDS: Buoy, Duck, Point Absorber, Renewable Energy, Wave Energy Converter