SOME OPERATIONS ON BIPOLAR INTUITIONISTIC FUZZY IDEAL AND BIPOLAR INTUITIONISTIC ANTI FUZZY IDEAL OF A BP-ALGEBRA

S. Sivakaminathan, K. Gunasekaran* and S. Nandakumar**

Ramanujan Research Centre,
PG and Research Department of Mathematics,
Government Arts College (Autonomous),
Kumbakonam – 612002, Tamil Nadu, INDIA

E-mail : snathan394@gmail.com

*Government Arts and Science College,
Kuttalam - 609808, Tamil Nadu, INDIA

E-mail : drkgsmath@gmail.com

**Government Arts College, Ariyalur - 621713, Tamil Nadu, INDIA

E-mail : udmnanda@gmail.com

Abstract: The concept of a bipolar intuitionistic fuzzy ideal and bipolar intuitionistic anti fuzzy ideal are a new algebraic structure of BP-algebra and to use necessity and possibility operator. The purpose of this study is to implement the fuzzy set theory and ideal theory of a BP-algebra. The relation between the operation on bipolar intuitionistic fuzzy ideal and bipolar intuitionistic anti fuzzy ideal are established.

Keywords and Phrases: BP-algebra, fuzzy ideal, bipolar fuzzy ideal, bipolar intuitionistic fuzzy ideal, bipolar intuitionistic anti fuzzy ideal, necessity and possibility operator.

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