

**Table of Contents**  
**Vol. 19, No. 1, January 2024**

<b>SL. NO.</b>	<b>TITLE OF THE PAPER</b>	<b>NAME OF THE AUTHOR/S</b>	<b>PAGE NO.</b>
1	RELIABILITY OPTIMIZATION OF A DEGRADED SYSTEM UNDER PREVENTIVE MAINTENANCE USING GENETIC ALGORITHM	Shakuntla Singla <sup>1</sup> , Diksha Mangla <sup>2</sup> , Poonam Panwar <sup>3</sup> , S Z Taj <sup>4</sup>	1 - 14
2	CONSTRUCTION OF A SPLINE FUNCTION WITH MIXED NODE VALUES	Rama Nand Mishra <sup>1</sup> , Akhilesh Kumar Mishra <sup>2</sup> , Kulbhushan Singh <sup>3</sup>	15 - 26
3	A NOVEL HYBRID HARMONY SEARCH (HS) WITH WAR STRATEGY OPTIMIZATION (WSO) FOR SOLVING OPTIMIZATION PROBLEMS	Sameerah Khaleel <sup>1</sup> , Hegazy Zaher <sup>2</sup> , Naglaa Ragaa Saeid <sup>3</sup>	27 – 46
4	ADVANCED THERMOCOUPLE LINEARIZATION METHOD USING ADVANCED POLYNOMIAL FITTING	Nilanjan Byabarta <sup>1</sup> , Abir Chatterjee <sup>2</sup> , Swarup Kumar Mitra <sup>2</sup>	47 – 58