(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2024

(21) Application No.202411050051 A

(43) Publication Date : 05/07/2024

(54) Title of the invention : SYSTEM AND METHOD FOR APPLYING MATHEMATICAL PRINCIPLES IN ENGINEERING AND REAL-LIFE APPLICATIONS

(51) International classification	:G16H0050200000, G16H0050300000, A63F0003040000, H04L0069329000, B81C0001000000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(57) Abstract :
The present invention discloses a System and Method for Applying Mathematical Principles in Engineering and Real-Life Applications. The system integrates advanced mathematical models tailored for diverse engineering disciplines and real-world scenarios, enhancing precision and efficiency in problem-solving. Key components include the development of specialized mathematical algorithms, integration with engineering applications across mechanical, electrical, and civil domains, and application in broader contexts such as finance, healthcare, and environmental sciences. The method encompasses data-driven approaches for model refinement and scalable deployment, offering significant advantages in accuracy, cost-effectiveness, and adaptability. This innovation represents a transformative approach to harnessing mathematical principles for optimal performance in complex engineering challenges and practical applications.

No. of Pages : 19 No. of Claims : 10