

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311086016 A

(19) INDIA

(22) Date of filing of Application :16/12/2023

(43) Publication Date : 19/01/2024

(54) Title of the invention : DEEP LEARNING PEDAGOGY A TRANSFORMATIVE APPROACH TO EDUCATIONAL INNOVATION

(51) International classification :G06N0003080000, G09B0007000000, G06N0003040000, G06N0020000000, G09B0019000000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Anurag Mishra
 Address of Applicant :H2-612 A Hazel-2 Jasmine Grove, Opposite wave city NH-24 Ghaziabad 201002 -----
2)Yaduvir Singh
3)Sanjiv Kumar Singh
4)Priya Dahiya
5)Harsh Sanger
6)Shiv Shankar Singh
7)Sonia Arora
8)Dr. Manali Gupta
9)Dr. Rama Kant
10)Vinay Dwivedi
11)Divya Raj
 Name of Applicant : NA
 Address of Applicant : NA
 (72)Name of Inventor :
1)Anurag Mishra
 Address of Applicant :H2-612 A Hazel-2 Jasmine Grove, Opposite wave city NH-24 Ghaziabad 201002 -----
2)Yaduvir Singh
 Address of Applicant :Assistant Professor Noida Institute of Engineering and Technology Greater Noida -----
3)Sanjiv Kumar Singh
 Address of Applicant :Assistant professor GL BAJAJ GROUP OF INSTITUTIONS Mathura -- -----
4)Priya Dahiya
 Address of Applicant :Assistant Professor College Name: Noida Institute of Engineering and Technology -----
5)Harsh Sanger
 Address of Applicant :GL BAJAJ GROUP OF INSTITUTIONS, Mathura -----
6)Shiv Shankar Singh
 Address of Applicant :GL BAJAJ GROUP OF INSTITUTIONS Mathura -----
7)Sonia Arora
 Address of Applicant :Assistant Professor Noida Institute of Engineering and Technology -----
8)Dr. Manali Gupta
 Address of Applicant :Assistant Professor Noida Institute of Engineering and Technology -----
9)Dr. Rama Kant
 Address of Applicant :GL BAJAJ GROUP OF INSTITUTIONS Mathura -----
10)Vinay Dwivedi
 Address of Applicant :Assistant Professor School of Computing Science & Engineering, Galgotias University, Greater Noida, Uttar Pradesh -----
11)Divya Raj
 Address of Applicant :NIET, Greater Noida -----

(57) Abstract :
 In the realm of education, the amalgamation of deep learning methodologies and pedagogical practices heralds a transformative era. This innovation endeavors to revolutionize educational paradigms by introducing a novel approach termed Deep Learning Pedagogy. With India's diverse cultural fabric and a burgeoning demand for innovative educational strategies, the need for personalized, adaptive, and data-informed learning experiences becomes increasingly imperative. The proposed approach integrates cutting-edge deep learning techniques, encompassing neural networks, natural language processing, and predictive analytics, into the pedagogical landscape. Its primary goal is to tailor educational experiences, harnessing the power of adaptive algorithms and data-driven insights to meet the unique needs of individual learners. Emphasizing personalized learning pathways, adaptive assessments, and data-driven interventions, this approach offers a redefined educational framework. Educators are empowered with tools to create personalized learning experiences, adapt instructional strategies, and utilize predictive analytics for informed decision-making. Through pilot implementations and iterative refinements, this transformative approach aims to enhance educational efficacy, foster student engagement, and improve learning outcomes. The innovative integration of deep learning principles into pedagogy promises to usher in a new era of educational innovation, catering to the diverse and evolving needs of learners in India and beyond.

No. of Pages : 18 No. of Claims : 4