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पेटेंट कार्यालय का एक प्रकाशन  
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(54) Title of the invention : DEEP LEARNING APPROACHES FOR ASSESSING THE EFFECTIVENESS OF TEACHERS IN HIGHER EDUCATION

<p>(51) International classification :G06Q0050200000, G09B0007020000, G09B0007000000, G06Q0010060000, G06N0003080000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :  <b>1)Dr. B Senthil Kumar</b>  Address of Applicant :Research Supervisor, Asst. Professor, VISTAS Chennai, Chennai, Tamil Nadu, India -----  <b>2)Dr.P.Pachaiyappan</b>  <b>3)Dr. Shweta Bansal</b>  <b>4)Rajiv Verma</b>  <b>5)Ceril Jeoffrey A</b>  <b>6)Dr. Reema Goyal</b>  <b>7)Navneet Chaudhry</b>  <b>8)Prem Chandra</b>  <b>9)Alisha Hashmi</b>  <b>10)Jampa Nagendra Rao</b>  <b>11)Dr. B Gayathri</b>  <b>12)Anthony Savio Herminio Da Piedade Fernandes</b>  Name of Applicant : NA  Address of Applicant : NA  (72)Name of Inventor :  <b>1)Dr. B Senthil Kumar</b>  Address of Applicant :Research Supervisor, Asst. Professor, VISTAS Chennai, Chennai, Tamil Nadu, India -----  <b>2)Dr.P.Pachaiyappan</b>  Address of Applicant :Professor, Department of Education, GRT College of Education, Tiruttani-631209, Tiruvallur, Tamilnadu, India -----  <b>3)Dr. Shweta Bansal</b>  Address of Applicant :Associate Professor, CSE, K R Mangalam University, Gurugram, 122103, Haryana, India -----  <b>4)Rajiv Verma</b>  Address of Applicant :Research Scholar, School of Management, Sir Padampat Singhania University, Udaipur, Rajasthan, India -----  <b>5)Ceril Jeoffrey A</b>  Address of Applicant :Assistant Professor, Department of Chemistry, St.Joseph's College, Tiruchirapalli 620002, Tamilnadu, India -----  <b>6)Dr. Reema Goyal</b>  Address of Applicant :Associate Professor, CSE Department, Chitkara University, Rajpura, Pincode 140401, Patiala, Punjab, India -----  <b>7)Navneet Chaudhry</b>  Address of Applicant :Assistant Professor, Computer Science Engineering Department, Chandigarh University, Mohali, 140413, Punjab, India -----  <b>8)Prem Chandra</b>  Address of Applicant :Flat No:201, Second Floor, Plot No:2/96, Sector-2, Rajendra Nagar, Sahibabad, Ghaziabad, Uttar Pradesh, India -----  <b>9)Alisha Hashmi</b>  Address of Applicant :Assistant Professor, Sagar Institute of Science and Technology (SISTec), Bhopal, 462036, Madhya Pradesh, India -----  <b>10)Jampa Nagendra Rao</b>  Address of Applicant :Department of Commerce and Management Studies, College of Arts and Commerce, Andhra University, Visakhapatnam, Pin Code-530003, Andhra Pradesh, India -----  <b>11)Dr. B Gayathri</b>  Address of Applicant :Associate Professor, Department of Computer Science, Bishop Heber College (Autonomous), Tiruchirapalli 620017, Tamilnadu, India -----  <b>12)Anthony Savio Herminio Da Piedade Fernandes</b>  Address of Applicant :Founder Owner, Trading Equations, 54/C, Xell, Bastora, Bardez, North Goa, Goa (403507), India -----</p>
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(57) Abstract :  
The invention relates to a system and method for assessing the effectiveness of teachers in higher education using advanced deep learning techniques. Traditional methods of teacher evaluation in higher education often rely on subjective measures, which may lack objectivity and fail to capture the complexity of teaching practices. In contrast, the proposed system integrates diverse data sources, including student performance metrics, classroom observations, and instructional materials, to provide a comprehensive assessment of teaching effectiveness. Central to the invention are sophisticated deep learning algorithms, which analyze the integrated data to extract meaningful insights regarding teaching practices and student outcomes. The system offers an intuitive user interface for educators and administrators to access assessment results and personalized recommendations for professional development. Furthermore, the invention's scalability and efficiency enable higher education institutions to conduct comprehensive teacher assessments at scale, fostering a culture of continuous improvement in teaching quality. Overall, the invention represents a significant advancement in the field of educational assessment, offering a data-driven approach to teacher evaluation that has the potential to enhance teaching practices and improve student learning outcomes in higher education.

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