

पेटेंट कार्यालय  
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पेटेंट कार्यालय का एक प्रकाशन  
PUBLICATION OF THE PATENT OFFICE

(54) Title of the invention : EDUCATION AND BUSINESS MANAGEMENT SYSTEM FOR PREVENTING MENTALLY DISABLE STUDENT USING NLP-BASED PHYSICAL VIOLENCE DETECTION

<div><div>(51) International classification</div><div>(86) International Application No</div><div>(87) International Publication No</div><div>(61) Patent of Addition to Application Number</div><div>(62) Divisional to Application Number</div></div> <div><div>:G06Q0050200000, G06F0021620000, G10L0025630000, A23L0033155000, A23L0033135000</div><div>:NA</div><div>:NA</div><div>: NA</div><div>:NA</div><div>:NA</div><div>:NA</div></div>	<div><div>(71)Name of Applicant :</div><div>1)Dr. Anil Kumar</div><div>Address of Applicant :Department of Applied Science and Humanities (Mathematics), KCC Institute of Technology and Management, Greater Noida, U.P. -----</div><div>2)Dr. Anju Khandelwal</div><div>3)Dr. Deepankar Sharma</div><div>4)Dr. Santosh Kumar</div><div>5)Dr. Avanish Kumar</div><div>6)Dr. Veer Pal Singh</div><div>Name of Applicant : NA</div><div>Address of Applicant : NA</div><div>(72)Name of Inventor :</div><div>1)Dr. Anil Kumar</div><div>Address of Applicant :Department of Applied Science and Humanities (Mathematics), KCC Institute of Technology and Management, Greater Noida, U.P. -----</div><div>2)Dr. Anju Khandelwal</div><div>Address of Applicant :Bala Ji Institute of Management &amp; HRD Sri Balaji University, Pune, 411033 (MS), India -----</div><div>3)Dr. Deepankar Sharma</div><div>Address of Applicant :Department of Mathematics, Dr KN Modi Institute of Engineering and Technology, Modinagar-UP, India -----</div><div>4)Dr. Santosh Kumar</div><div>Address of Applicant :Department of Mathematics and Physical Sciences, North Hill University, Shillong, Meghalaya, India -----</div><div>5)Dr. Avanish Kumar</div><div>Address of Applicant :Department of Mathematical Sciences and Computer Application, Bundelkhand University, Jhansi, 284128- UP, India -----</div><div>-</div><div>6)Dr. Veer Pal Singh</div><div>Address of Applicant :Department of Applied Science and Humanities (Mathematics), IIMT College of Engineering, Greater Noida-UP, India -----</div><div>-----</div></div>
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(57) Abstract :  
The present invention discloses an education and business management system designed to proactively prevent student mental health disorders by employing sensors-enhanced computer vision and natural language processing (NLP) for physical violence detection. Traditional methods of monitoring student behavior often lack real-time responsiveness and fail to address emerging mental health challenges effectively. This innovative system integrates advanced sensors and algorithms to monitor student interactions, analyze video and audio data for signs of physical violence and verbal aggression, and predict potential mental health issues. Real-time alerts enable timely interventions by school administrators and counselors, ensuring a safer and supportive educational environment. The system's robust data privacy and security measures safeguard sensitive information, maintaining confidentiality while enhancing the overall well-being of students within educational institutions. Accompanied Drawing [FIGS. 1-2]

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