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(57) Abstract :
The proposed Intelligent Tutoring System (ITS) for Math Education with Natural Language Processing (NLP) represents a transformative advancement in the realm of educational technology. This innovative system aims to revolutionize math education by seamlessly integrating NLP technology, which enables students to communicate with the system in natural language, making mathematical concepts more accessible and engaging. The core strength of this ITS-NLP system lies in its adaptability, as it continuously assesses each student's progress and tailors the curriculum to their individual learning needs. Furthermore, this system democratizes math education by providing online accessibility, ensuring that students worldwide, regardless of their location or socioeconomic background, can benefit from personalized math instruction. Educators and parents also benefit from valuable insights into students' progress, empowering them to make informed decisions and offer timely support. In summary, this invention stands as a testament to the potential of combining cutting-edge technologies to address longstanding challenges in education, ushering in a new era of dynamic, effective, and inclusive math instruction.

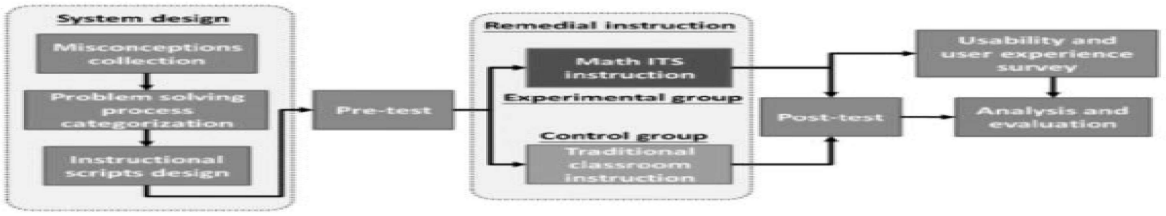

FIGURE 1: FUNCTIONAL PROCESS FLOW DIAGRAM OF PROPOSED SYSTEM

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