

E-assessment and Student Authentication in Distance Learning

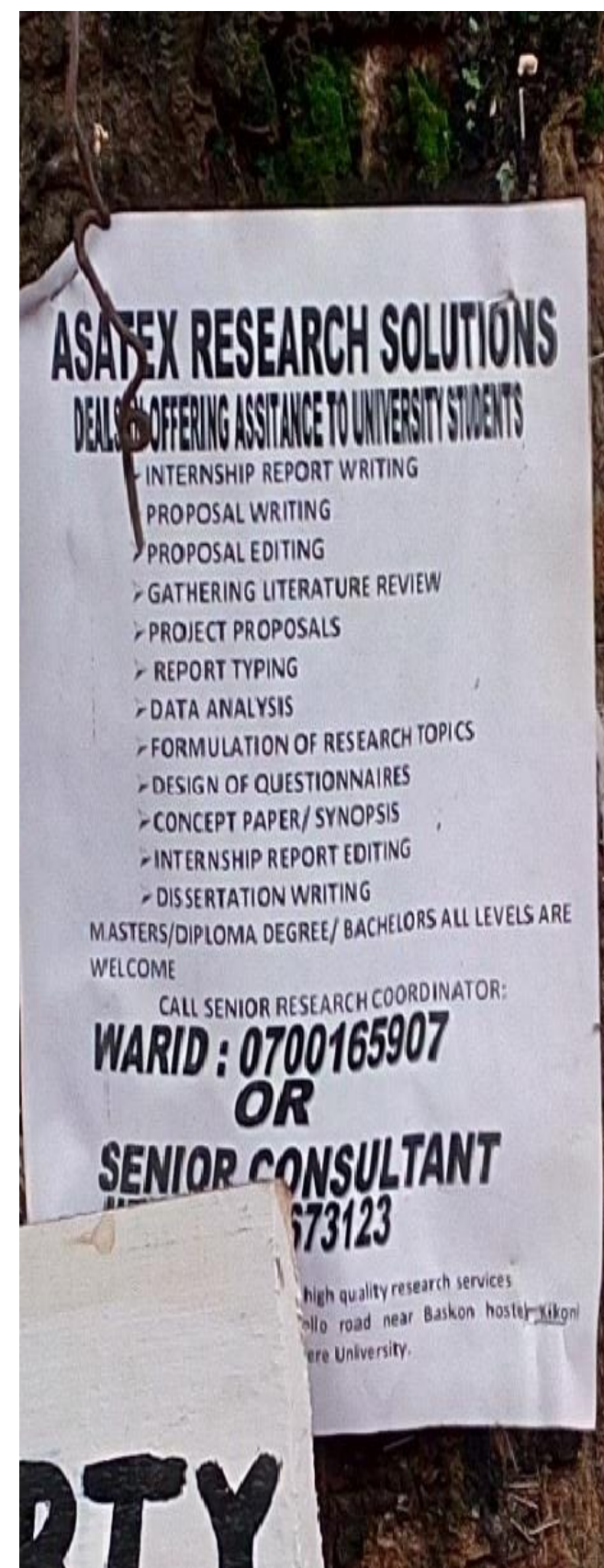
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Introduction

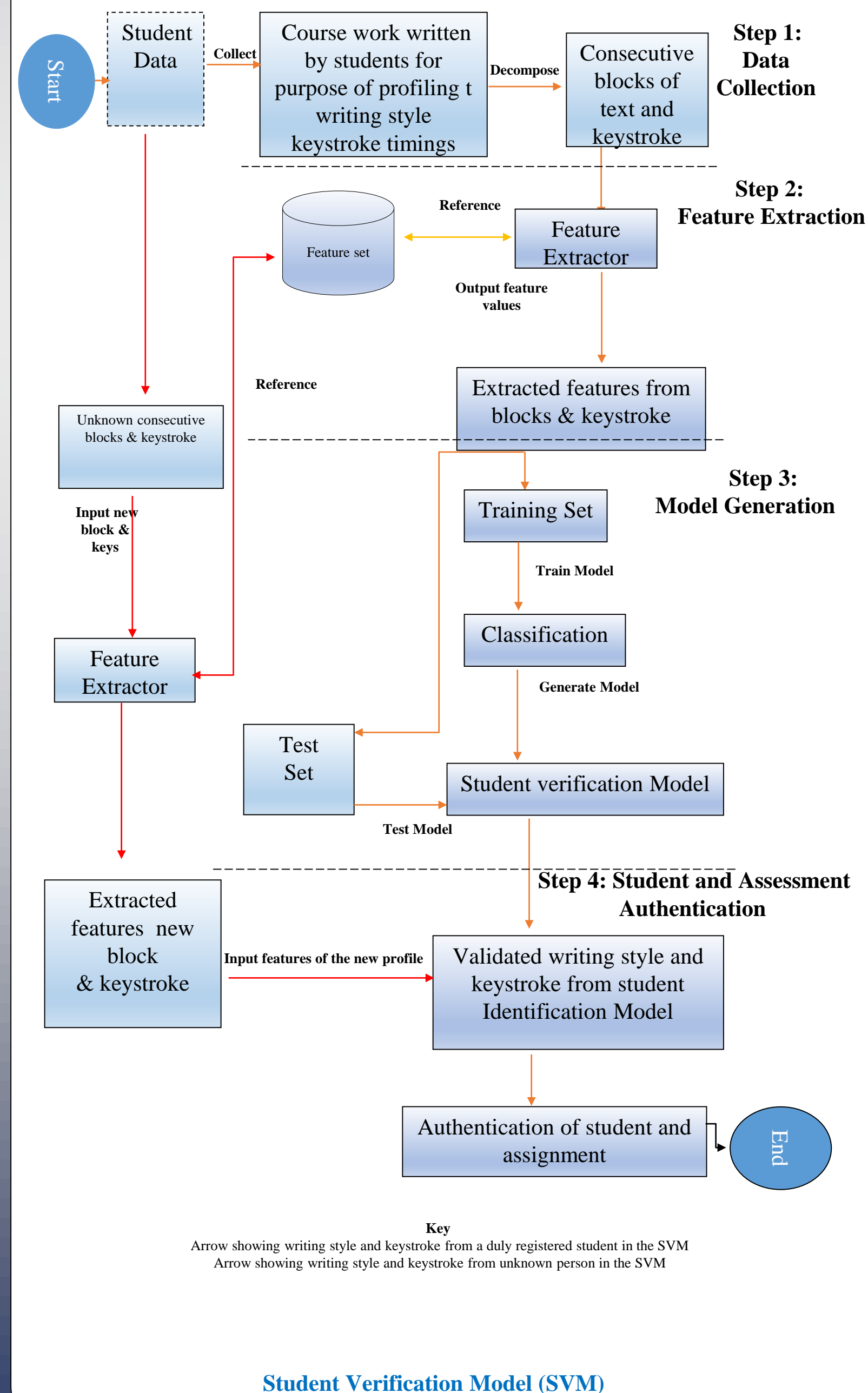
Distance learning e-assessments are reported to be more vulnerable to academic dishonesty and authentication attacks due to lack of physical interaction. A case is where a duly registered student contracts out their coursework to writers in order to submit the purchased assignments as their own work and impersonation where a duly registered student passes his/her security information to a fraudulent, who uses it to answer the exam. The advertisements for this type of academic dishonesty



Methods

Student Verification Model will be implemented to prevent such forms of academic dishonesty.

The SVM model is shown below;



Impact

Social

The research is helpful in distance learning as it strengthens the quality and integrity of education. Verifying the authenticity of an e-assessment during hand in and student while answering exam is critical because they will be given certificates which impact on the integrity and quality of an institution or a non-governmental organization. This form of academic dishonesty will be curtailed and ensure quality graduates are produced who will in turn accelerate the economic development of a country. Research consultant offices will only be for secretaries duties not as indicated below in one of the signs boards.



Technical Impact

The research contributes to the field of security in e-assessments in distance learning. It provides a model upon which continuous and transparent authentication are supported when a distance learner is taking exams and the authenticity of an assessments during hand in by a student.

Conclusion

The research is developing methodologies of addressing the identification of authorship of student work in distance learning. This is done by continuous user authentication during e-tests and authentication of e-assignments during hand-in by students. The approaches being considered for the student verification model are stylometrics analysis and keystroke dynamics and its integration to distance learning e-assessments. These methods may be able to provide some approaches to dealing with student dishonesty not amenable to current plagiarism checking methods.

Bibliography

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