PROJECT SUMMARY

Ref No.: MRIC/PCS-2302	**Title:** Development of an NLP model for Mauritian Creole (KreMoN) and a methodology for building NLP model for similar (low resourced) languages

| **Local Company:** Hydrus Labs Ltd ||

Project Leader	
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TECHNICAL ABSTRACT

Large tech companies have developed English based products such as Alexa by Amazon and Siri by Apple geared by Natural Language Processing (NLP) Engines. However, digitally underserved languages like French based Creoles similar to Mauritian Creole are left out. The proof-of-concept of KreMoN (Kreol Morisien NLP) will be a language model developed as a pathfinder to make way for the technologies which will enable the creation of chatbots, virtual assistants and sentiment analysers in Low Resourced Languages. These will be achieved based on the development of two main NLP engines for Speech-to-text and Named Entity Recognition for the Mauritian Creole. Furthermore, the core engines will serve in the advent of a local radio stream media monitoring system.

Key Words: Natural Language Processing, Kreol Morisien, Machine Learning, Artificial Intelligence, Media Monitoring System