



PROJECT SUMMARY

Ref No.: MRIC/SISM-02/HW-16	Title: CarbInsulinAssist: Revolutionizing Diabetes Management with Precision Insulin Dosage App
Local Association: T1 Diams	
Collaborating Company: IThink Ltd	
Project Leader	
Mr Didier Jean Pierre	T1 Diams
Research Collaborators	
Name	Organisation
Mr Linley Tanner	IThink Ltd
Mr Tirish Sooriah	IThink Ltd
TECHNICAL ABSTRACT	
<p>CarbInsulinAssist is an innovative mobile application project developed by T1 Diams to simplify the complex task of calculating insulin dosage for individuals with Type 1 diabetes. By leveraging user-entered information such as insulin sensitivity, carbohydrate ratios, and glucose levels, along with data on Mauritian food from an extensive database, this app empowers users to make informed decisions about insulin administration. CarbInsulinAssist is designed to enhance the management of diabetes by providing a user-friendly and efficient solution. It will incorporate image recognition technology to estimate carb content accurately, revolutionizing the way users manage their diabetes. The app's core functionality includes a simple input system to validate the actual quantity of carbohydrates consumed, allowing users to calculate the precise insulin dose needed for any Mauritian food item. CarbInsulinAssist is set to become an indispensable tool for individuals with Type 1 diabetes, offering them greater control over their daily routines and reducing the risk of complications. T1 Diams is committed to the ongoing development of this application, ensuring it remains at the forefront of diabetes management technology.</p>	
Key Words: Diabetes, Type 1, Insulin dosage, Mobile application, App	