

# GetBetter

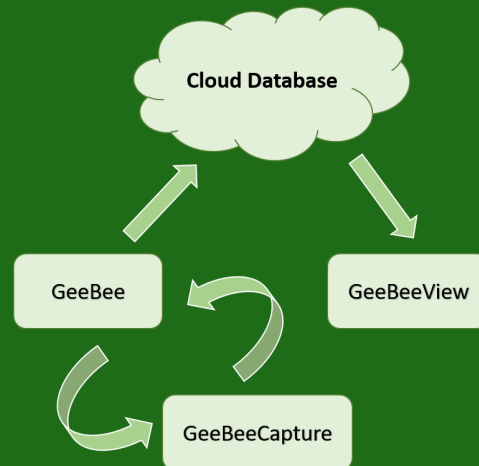
Telemedicine is a healthcare delivery concept which enables patients living in locations distant from health centers especially in rural areas gain access to healthcare through the use of telecommunication technologies.



The GetBetter System is a telemedicine system that allows the tele-presence of medical doctors to assist nurses in remote and marginalized communities. It is funded by the World Health Organization--Tropical Diseases Research (WHO-TDR) in Geneva.

# About

The research focuses on the development of additional features of the Embodied Conversational Agent (ECA) System which is used as an aid in public health monitoring of Filipino Children. The ECA system prior to this research accommodates both health monitoring and consultation activities for Filipino children. This research aims to provide a platform for medical professionals and government authorities to view an aggregated or specific health transcript of Filipino children and provide an alternative way of measuring height and weight via image processing. The research, including the improved system, is part of the GetBetter Telemedicine System.



## Image Based Height & Weight Calculation and Data Visualization for the Public Health Monitoring System of Filipino Children



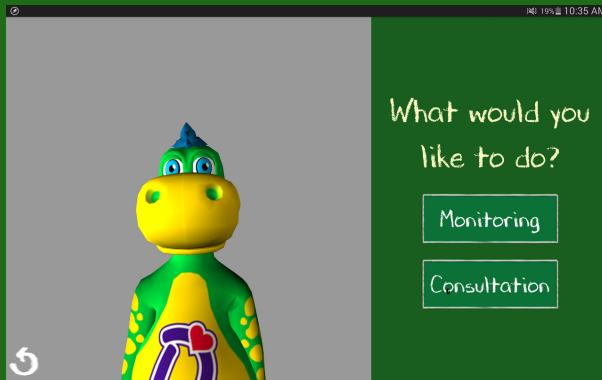
by

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# GeeBee

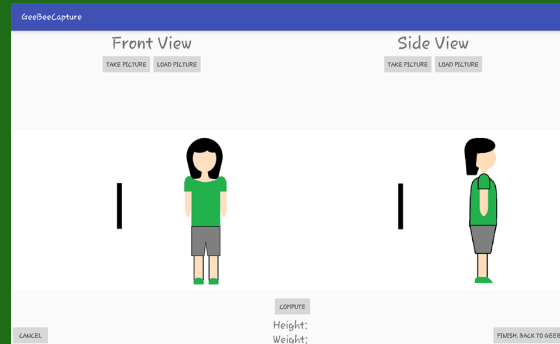
Under the GetBetter Telemedicine System in the Philippines lies the Embodied Conversational Agent System which focuses on public health monitoring of Filipino children. It aims to fulfill the need for children to undergo routine wellness checks with a doctor in communities that may not have accessible, affordable, or quality health care. In this subsystem, prior to this research there already exists a data gathering software entitled GeeBee which was developed by Lacsamana, Malana and Rivera.



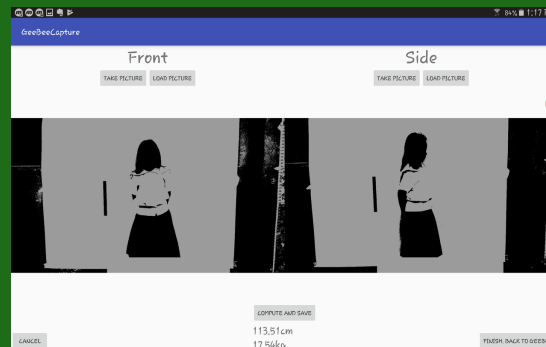
This is a sample screen from the GeeBee application. It asks the user if the patient wants to do monitoring or consultation.

# GeeBeeCapture

GeeBeeCapture is a mobile application that is integrated to GeeBee as an alternative way to measure the height and weight of children.



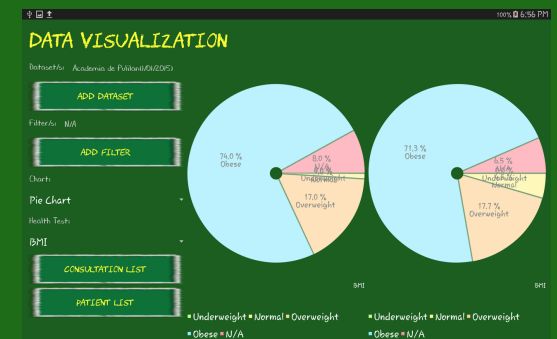
This is the starting screen of the GeeBeeCapture application. The left side is for the front view and the right side is for the side view picture of the child.



This is the result when the front and side view pictures are computed. It is transformed to a silhouette to calculate their height and weight and to protect their identity.

# GeeBeeView

GeeBeeView is a mobile application for displaying collected data of GeeBee. Its functions are mostly about the display of data.



This is a pie chart of the BMI classification of the patients. The visualization displayed is interactive and adjusts based on the selected source dataset/s, filter/s, chart, comparison set, and result of a health test.



This is a line graph for a specific patient. This displays patient information which includes the patient details, record details, and visualization on change over time of health condition.