Title: KEAN GABRIEL MOBILE APP: AN ANDROID-BASED CHILD ABUSE INCIDENT AND REPORTING APPLICATION

Authors: Jeston B. Alastra, Novie Jay U. Ordiniza, Elvie B. Lopez

EXECUTIVE SUMMARY

T This project is an Android-Based Child Abuse Incident and Reporting Application. The researchers develop an application for rescuing the child abuse incident to capture an image or video by using the Smartphone. In developing the application, the researchers utilized Android Studio and created an APK file. To store the data into the firebase storage of the image/video and data such as Intake Form and General Form of the children by the uploaded images/ video to save and retrieve the of the reported child abuse incident. The researchers produce a web app for the admin which is the CSSDO Organization to trace the child abused incident. To locate

the incident, happen, the researchers use the embedded GPS (Global Positioning System) of the Smartphone by utilizing the Geolocation API. The researchers utilize the Firebase Authentication with the use of Gmail account of the concerned citizen to minimize spam users or posers. Once if it is a poser it has three attempts to send the reports and then it is automatically banned or block the user. The researchers use Real-Time Notification to notify the admin if there is an upcoming child abuse report and user/concerned citizen informed the status of the child. The researchers used Heat Map API to visualize the density of the reported child abuse cases inside the area of Davao City. In developing the project, the researchers used the Agile Development Methodology. This application benefits for the child rights advocate and CSDDO Organization to locate the reported child abused. This application provides children's love, care, and advocacy.