UNIVERSITY OF NAIROBI
COLLEGE OF BIOLOGICAL AND PHYSICAL SCIENCES
SCHOOL OF COMPUTING AND INFORMATICS

INDUSTRIAL ATTACHMENT BRIEFS

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Institution Attached: CPF (LITES division)

Period of Attachment: Feb – Mar 2016

Objectives

1. Exposure to industrial work environments
2. Active participation in creating practical solutions using knowledge learnt
3. Build professional networks with potential employers

Activities Undertaken

i.   Pensioners Mobile Application and Web Portal

CPF is a pension scheme administrator. Majority of the pensioners are in Defined Contribution Scheme. The scheme members had to visit a branch in order to view their contribution and to check whether their monthly remittance have been deducted. The team was tasked to automate this process to enable the pensioners view these details from any geographic location.

The pensioners' mobile application and web portal is a system that was designed to meet these needs. The portal would enable pensioners view their contribution and provide analytics on their contribution trends. The mobile application would, in addition to doing what the portal does, allow the pensioner call the customer care in order of any enquiry or complaint, view properties that were being managed by laser properties, get the latest news in the pensions industry, view videos around CPF and get push notifications whenever any changes were performed to their account.

ii. M-Agent Mobile Application

Laser Insurance Brokers (LIB) engages in insurance brokerage. It has agents who sell insurance products. They record the customer details in notebooks or phone notes which they later have to upload to the system. These would at times get lost or be subjected to errors. The team was required to come up with a solution to ease and fasten the process.

M-Agent is a mobile application tagged to an insurance agent. The application has the capability to store a client's details sync them with the online database. This way it ensures integrity and security of the information and easy retrieval when the need arises. It also performs analytics on the sales of an agent and gives them a visual representation of their performance.

Lessons worth Sharing

The Kenyan economy is growing with a significant increase in the middle income class. The number of smart phones is increasing at a faster rate and in response to the government's vision 2030, many companies and firms are increasing their levels of automation.

Smartphones companies as well are upping their game by increasing the computing power, display size, memory and other specifications of the devices while reducing the weight of the devices to assist in portability of the device. The operating systems are also being improved to offer more functionalities and better experience to the users.

Vision 2030 and smart phones are highly correlated as many services, for example, mobile banking, communication and advertising/marketing are through the phone and each plays a role in achievement of the vision. It is therefore important to consider mobile solutions in software development and how to make it impact on the society positively.