

INTRODUCTION

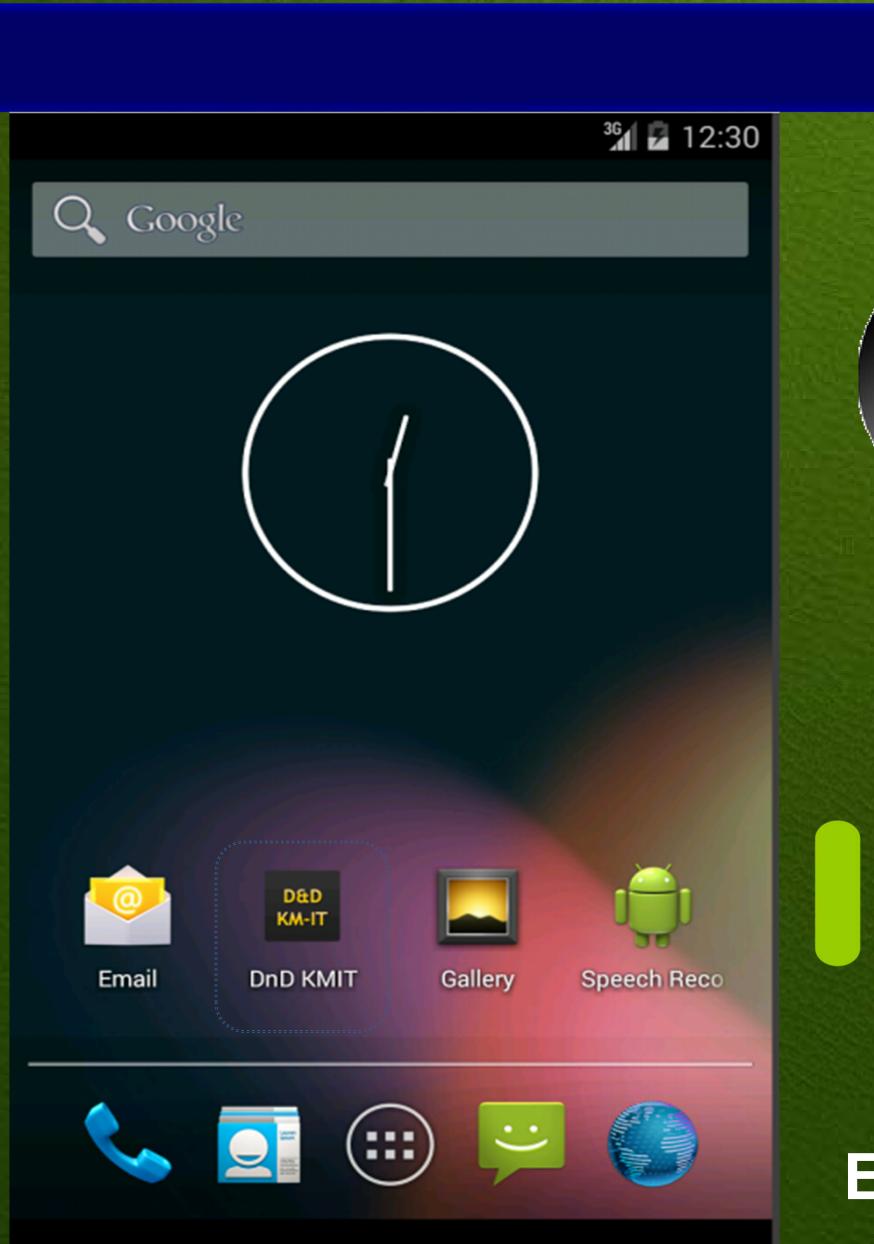
- The D&D KM-IT (www.dndkm.org) is a webbased knowledge management information tool custom built for the D&D user community. This system was developed by the Applied **Research Center (ARC) at Florida International** University (FIU) in collaboration with the U.S. **Department of Energy Office of Environmental** Management (DOE EM).
- The knowledge base can be accessed on computers and mobile devices with suitable browsers.
- The mobile client to server requests have heavy overhead and uses considerable resources like memory, CPU and battery.
- This challenge brings the need for an efficient and easy way to access the D&D knowledge base through mobile devices.

OBJECTIVES

- Design and development of a native android application to access the **Deactivation and Decommissioning Knowledge Management repository.**
- To study the requirement of the user accessibility and hence create an efficient system to request, fetch and render information.

Native Android Application for Deactivation and Decommissioning Technologies Chandrashekar Gama Deshika Swamy (FIU Graduate Student), Dr. Leonel Lagos, Himanshu Upadhyay

Cache



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ISON

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METHODS

- using JSON query.
- The logic unit checks the stored cache and updates as required.
- The complex JSON text is parsed to provide the technology information to the user.
- This stored cache information helps user to access D&D technology information with limited or intermittent internet access.

Presentation

Cloud

LOGIC

Android smart client Application

RESULTS

		³⁶ 2 12:25	Basic Controls
	DnD KMIT		CD CD CD Hardware Butteres not enabled in AVD
	Hotline		DVA ni balikara CAND
	Tehnology		Hardware Keyboard Use your physical keyboard to provide input
	Vendor		
JSON			
• •			
Emulator			
Output	\leftarrow		



 The Android Mobile device stores the technology information received from the cloud

PATH FORWARD

- **Development of the native android** application, using the latest version API level 19 code named Kitkat.
- Thorough testing of the android application for various functionality.
- To facilitate access to valuable **D&D** technology information under intermittent or limited internet access.
- **Promote and enhance the user** experience of accessing D&D KMIT through mobile devices.