

Learning Exchange and Hackathon: Development of a Low-Cost Water Smart Metering Device

Program

DAY 1

Time	Activity	Presenter / Facilitator
08h30 – 09h00	Arrival, Registration, and Refreshments	
09h00 – 09h20	Opening and Welcome	Wendy Mey - WISA Innovations for Water Supply and Sanitation Team Lead
09h20 – 09h50	Design Thinking and Process	Sandile Mahlaba Microsoft
09h50 – 10h20	Empathize Phase: Current State of Water Conservation Water Demand Management	Mr Michael Singh Department of Water and Sanitation
10h20 - 10h40	Tea Break	
10h40 – 11h10	The Need for Smart Water Meters at an Affordable Cost End in Mind : The Power of Data and Analysis	Mr Ashan Nundlall eThekweni Municipality Water and Sanitation
11H10 – 12h30	Designing (Definition) Phase: Installed Smart Water Meters Systems using IoT in South Africa	Buffalo City/Free State
12h30 – 13h15	Lunch	
13h30 – 14h15	Ideation Phase: “Building Story Board and Concept Design”	Paul Figuera
14h15 – 15h15	Team Feedback on their understanding	
15h15- 15h30	Wrap Session 01	Vishnu Mabeer - WISA Innovations for Water Supply and Sanitation

DAY 2

Time	Activity	Presenter / Facilitator
08h30 – 09h00	Arrival and Refreshments	
09h00 – 09h30	Opening and Welcome	Lungi Zuma – WISA KZN Branch Team Lead
09h30 – 10h30	Breakaway Session Concept Design	
10h30 – 10h50	Tea Break	
10h50 – 11h30	Breakaway Session Concept Design	
11h30 – 12h45	Team Presentation: “Empathize Designing (Definition) Ideate “<i>Concept Design Presentation</i>”	
12h45 – 13h30	Lunch	
13h30 - 14h15	Breakaway Session Prototyping	
14h15 – 14h30	Tea	
14h30 – 15h15	Prototype Phase: “Design Concept and Equipment”	
15h15 – 15h25	Moving Forward and Staying Involved	Vishnu Mabeer - WISA Innovations for Water Supply and Sanitation
15h25- 15h35	Vote of Thanks and Closure	Wendy Mey - WISA Innovations for Water Supply and Sanitation Team Lead