EMMHack 2016 Challenges

Challenge Name	Description	Resources/Suggestion
Department Works	One of the problems with the Ekurhuleni departments is that there lack of "publicity" or "shout" of the work done. Build an innovative solution that will ensure that people know of the work done by the departments with us of data available and crowd sourcing (smart citizenship).	http://ekurhuleni.gov.za/open/
Intelligent Analytics for the city	Many of the Departments want an analytical tool to help identify issues. E.g. DEMS – analytical tool that uses existing fed data to identify possible hot spots for fires etc. EMPD to identify possible crime spots. Social Development to identify areas where domestic violence occurs more often – can proactive service public better to prevent. So an analytical tool that can be used by many Departments using rules and intelligence specific to that Department.	Build a network of sensors or integrate currently enabled tools
Human Settlement Application monitor	An application should be created to administer the social housing application , waiting list and unit allocation processes. Requirements 1. Department admin portal - This is to provide the department with creation and maintenance of their stock of rental units. i.e. Location, address, number of rooms, rental amount payable, occupied/.Vacant status. 2. Public application/registration Portal - This is to provide the public with means	Business rules/application process to be provided

	to enquire on social housing availability. The users would have to complete registration requirements namely personal info, contact info, housing requirements, size of family, income information.
	    • The registration feature would have to be developed using the departmental qualifying criteria.
	    • Upon successful registration the users would then be allocated a waiting list reference number.
	    • The reference number would have to be accompanied by required information such as ID, marriage certificate, proof of income or indigence.
	
	3. Department leasing management portal - This is to provide the department with a view of the waiting list references and detail. The department should be able to ascertain the state of occupation and leases of their rental stock. Allocation to available units must be conducted on a first come first served basis.
	    • The leasing management functionality must be able to carry out notifications to registered applicants when the departments allocates a unit to them.	

Responsive Cities Challenge	How can we use open data to assist residents that are at risk?	http://challenge.responsivecities.org.za/
Cloning of existing Smart solutions	How can we leverage from ready-made mobile apps as white label solutions.	. Chat App - Clone of whatsapp and skype (Can be added in your existing app, for making it user friendly) 2. Reselller App:- Clone of Flip-kart and Amazon 3. Womda App:- Clone of Tinder

		4. Book your ride: Clone of UBER
		5. Easy Transfer- Clone of PayPal
		6. Property 24*7- Clone of Magicbricks
		7. English Test App:- Clone of 'English Grammar Test'
		8. My Buddies: Clone of Facebook & Twitter
		9. Restro Pack: Clone of Zomato
		10. Printing App: Clone of Vistaprint
		11. Panach: E-commerce Solution
		12. Let's Date: Dating App
		13. Get All in One: Post At once place for all social accounts.
		14. Product Movers: App for location based service.
		15. WhatsUp: An event App
		16. Music App: Clone of SoundCloud
		17. Bible App: Clone of Holy Bible
Expansion of LEAP App	Use LEAP App as a sandbox and see what additional improvements can be achieved.	Vuyani to create Sandbox of LEAP App.