NWU Raspberry Pi Hackathon, Open Access Week (25 & 26 October 2017)

Following the excellent projects that came out in the 2016 Hackathon, the NWU is hosting the second NWU eResearch Raspberry Pi Hackathon during this year’s Open Access Week to work towards finding solutions to problems that touch us and the communities around us.

WHO MAY PARTAKE?
Students, Learners, Educators, Staff, Friends, Family…. Anyone who loves technology and would like to stand a chance to win a FREE Raspberry Pi model 3B starter pack!

THE CHALLENGE
● Use a Raspberry Pi(s) to address an aspect of one (or more) of the United Nation’s 17 Sustainable Development Goals.
● Only Open tools and software may be used.
● Projects must be released under open licenses (https://creativecommons.org/, https://opensource.org/licenses).

PROPOSALS
● Groups of 3 - 5 members can submit project proposals.
● Groups have to submit a project proposal and state which of the 17 UN Sustainable Development goals they wish to address.
● Each member of the Winning group will be given a Raspberry Pi starter pack as prize.
● A limited number of RPIs are available and for this reason preference will be given to teams with at least one member affiliated with the NWU.
● Teams who bring their own Raspberry PIs are also welcome to enter - there is no limit on the number of teams who can enter with their on RPIs

PREREQUISITES
● All group members must be able to participate in person on 25 & 26 October 2017 on their respective campuses at the designated venues.
● Each group will be required to have documentation explaining their project in detail.
● Each team will present their project to a broader audience from 14:30 - 16:30 on Thursday 26 October.
● Thereafter a panel of judges will choose the winning group and each member of the group will receive a Raspberry Pi starter kit.

THE HACKATHON
● The Hackathon will take place in Building D1 Room 305. Coffee/Tea will be provided, lunch will be the responsibility of each individual.
● Each group will receive a maximum of 3 Raspberry Pi 3B starter packs 7 working days in advance and will be required to work on the projects during Open Access Week and on 25 & 26 October 2017 between 8:00 - 16:30. Prior work may be done in the lead up to the Hackathon.
● We strongly encourage groups to have a range of skills (don’t only focus on technical competency, but remember to include someone who could work on for example the presentation of the project, project management, documentation, and so forth).
● Mentors will be present at the respective venues throughout the hackathon to provide support and guidance.

IMPORTANT DATES
● 02 October Applications open
● 22 October 23:59 SAST Applications close
● 22 October Successful applicants notified
● 25 & 26 October NWU eResearch Raspberry Pi Hackathon

ENQUIRIES
Please address all questions or offers of sponsorship to eresearch@nwu.ac.za.

APPLY BEFORE 15 OCTOBER
Online application form