Greener and smarter computing project

The Greener and Smarter Computing on Campus project aimed to study green ICT initiatives in the tertiary education sector in New Zealand and worldwide. An online green ICT knowledge resource base has been developed, a pilot survey on ICT (Information and Communications Technology) usage behaviour has been developed, to be administered in early 2013, and the team also investigated, analysed and reported on several commercially available power management tools of potential use to AUT.

GREEN ICT KNOWLEDGE BASE

The Greener and Smarter Computing on Campus (GSCC) project aimed to study green ICT initiatives in the tertiary education sector in New Zealand and worldwide, so as to build up the AUT’s knowledge database on green ICT. Initial activities included building an online green ICT knowledge resource base, currently in the form of the AUTonline Organisation, LTDF Greener and Smarter Computing. This organisation contains a wide range of resources such as technical reports, articles on green ICT best practices from other pilot universities and also green ICT techniques, as well as training, teaching and research materials etc. >100+ documents that can be incorporated in other sustainability courses and used to promote more sustainable behaviours.

GREEN ICT QUESTIONNAIRE

Additionally, a pilot and holistic approach based survey on ICT usage behaviour has been prepared, ready for seeking ethics approval, with the intention of carrying out the survey in early 2013. However, consultation has suggested this survey might be better combined with a broader survey encompassing wider issues of computing at AUT. This option will be further investigated before proceeding with the current survey.

GREEN POWER MANAGEMENT

COTS PROJECT

Funded by a LATENT grant allowed investigation and reporting of possible power management software for implementation within AUT University’s IT environment. This project reviewed a limited number of commercially available off the shelf power management applications that may benefit our client, AUT ICT Department, and produced a report for the client. A goal of the project is to add to the clients knowledge with respect to power management and what is available, allowing the client to justify continuing investigation or active appropriation of a particular software program or suite.

For further information about this project, scan the QR code or contact William Liu - wliu@aut.ac.nz