

ISOC-IEEE Open Wireless Training Programme

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Background

- The Internet Society (ISOC) and Digital Empowerment Foundation (DEF) initiated the Wireless for Communities (W4C) project in 2010.
- The goal of the project was to connect remote and rural communities to the Internet by employing a community-focused approach.
- A pilot was implemented in the remote community of Chanderi, India. The wireless network covers the entire community, including schools, cyber cafes, and the medical center.
- The project has won the PublicAffairsAsia Gold Standard Award and the ITU “Connecting at the Roots” Contest.

Partnership

- IEEE and ISOC have partnered to provide online training that will allow remote and rural communities to deploy and administer wireless networks (using unlicensed spectrum and mesh wireless networks).
- The project will leverage the existing Wireless for Communities (W4C) training materials. The W4C manual is based on open-source materials from “Wireless Network in the Developing World (<http://wndw.net>)
- The online training will be dynamic and interactive, and utilize advanced pedagogy and instructional design elements.
- A “train the trainer” model will be employed to allow for optimal scale, impact and economies of scale.

Platform

- ISOC will deliver the online training via Inforum, the organization’s online learning portal: *Inforum can deliver blended, moderated, self-paced, and mobile learning (m-learning). It also supports up to 20 different languages.*
- IEEE will deliver the online training via their Moodle-based learning management system (LMS): *IEEE’s learning platform is an innovative web-based service that offers highly engaging tutorials and interactive tools for a flexible and effective learning experience.*
- The content will be standards-based, and can be ported to any learning platform that supports SCORM, AICC, and Tin Can (if necessary). Content will specifically be developed for low-bandwidth regions.
- The content will also be available in HTML for ease of presentation via the Web or an Intranet. Inforum also has iOS and Android apps that allow the materials to be downloaded and accessed offline.

Approach

- The IEEE 802.11 community will provide subject matter expertise throughout the development process to ensure that the materials are up-to-date and “fit for purpose”.
- The online training model will be piloted in Asia-Pacific, and then replicated to other regions.
- IEEE and ISOC will also look to partner on other opportunities for training and leadership development in order to prepare the next generation of leaders-successors in the development of the Internet.

THANK YOU!
QUESTIONS?

