FOSS Software Development Projects under the USP-APDIP Microgrants Scheme

Marko Schütz

Dept. of Math & CS, USP, Suva, Fiji

schutz_m@usp.ac.fj

FOSSAP II. FOSS Software Development Projects under the USP-APDIP Microgrants Scheme

Background

- partnership between the University of the South Pacific and APDIP / IOSN
- competitive grants scheme
- 20 grants provided for software development projects (each US\$ 900)
 - projects need to release their software as Free/Open Source Software (FOSS)

completely new development or enhancement

 may not require proprietary software to build or employ

· Background

Submissions

· POS System

·2-dimensional

Spell-Checker

· Micro-Payment

examination

TikiMaps

flows

Fijian

system

· On-line

Submissions

- Background
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- · POS System
- TikiMaps
- · 2-dimensional flows
- Fijian
 Spell-Checker
- Micro-Payment system
- · On-line examination

1. Develop a Point of Sale (POS) System for the retail environment in the Pacific Islands, by Avon-Solutions, Vanuatu

- 2. Development of TikiMaps inside TikiWiki.org Content Management System, by SOPAC
- 3. An adaptive mass conservative streamline tracking software for two-dimensional flows, by I. Hussein and Z. Li, USP
- 4. Fijian Spell Checker for OpenOffice, by W. Blanke and P. Geraghty, USP

Submissions cont.

- 5. Development of a web based on-line examination system using a combination of free and open source software for a secondary school in Fiji Islands, by P. Narayan, USP.
- 6. Developing a Component-based NetPay Micro-payment System, S. Chandra, USP.

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POS System

objective POS system suitable for use in a retail environment in the Pacific Islands

expected outcomes allow owner of small, family-run shops to better manage stocks and sales

beneficiaries small businesses in a retail environment

committee suggestions details provided were insufficient, proposal needs to be revised to include clearer objectives, methodologies and outcomes of the project

awarded awaiting return of signed contract

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objective develop new features for TikiMaps
expected outcomes to be described
beneficiaries to be described

project description hire students to develop new features in TikiMaps – 2 objectives:

1. make TikiMaps competitive with commercial packages

2. local open source capacity building

 committee suggestions details provided were insufficient, proposal needs to clarify objectives, methodologies and outcomes
 awarded awaiting return of signed contract

2-dimensional flows

objective implement an adaptive, mass conservative streamline tracking software for 2-d flows

expected outcomes FOSS implementation beneficiaries Fluid engineers

project description implement FOSS based on a recent research result achieved by one team member, Dr. Zhenquan Li

committee suggestions too narrow in its aim. Suitable as a strictly academically oriented research

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Fijian Spell-Checker

objective create OpenOffice spelling dictionary for Fijian

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• On-line examination expected outcomes strengthen the use of Fijian in print beneficiaries

- newspapers, religious groups, governments, or educational institutions
- students learning Fijian
- the Fijian language

project description convert existing Fijian dictionary by
committee suggestions also consider other spell
checkers

awarded completed

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Micro-Payment system

objective implement NetPay micro-payment system

expected outcomes implementation of Broker and Vendor systems

beneficiaries e-commerce in low-cost products & services

project description provides component-based implementation of an off-line micro-payment model. Customers buy e-coins from broker, store them and pay by passing this information to vendor.

awarded signed contract received

On-line examination

objective create on-line examination system for Rishikul Sanatan College

expected outcomes operational on-line examination system, increased involvement of staff and students in IT

beneficiaries teachers, students, schools

project description

committee suggestions project must either build on existing FOSS e-learning software or provide compelling reason for not doing so

awarded awaiting return of signed contract

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