"LEVERAGING ICT FOR TODAY'S LEARNING"
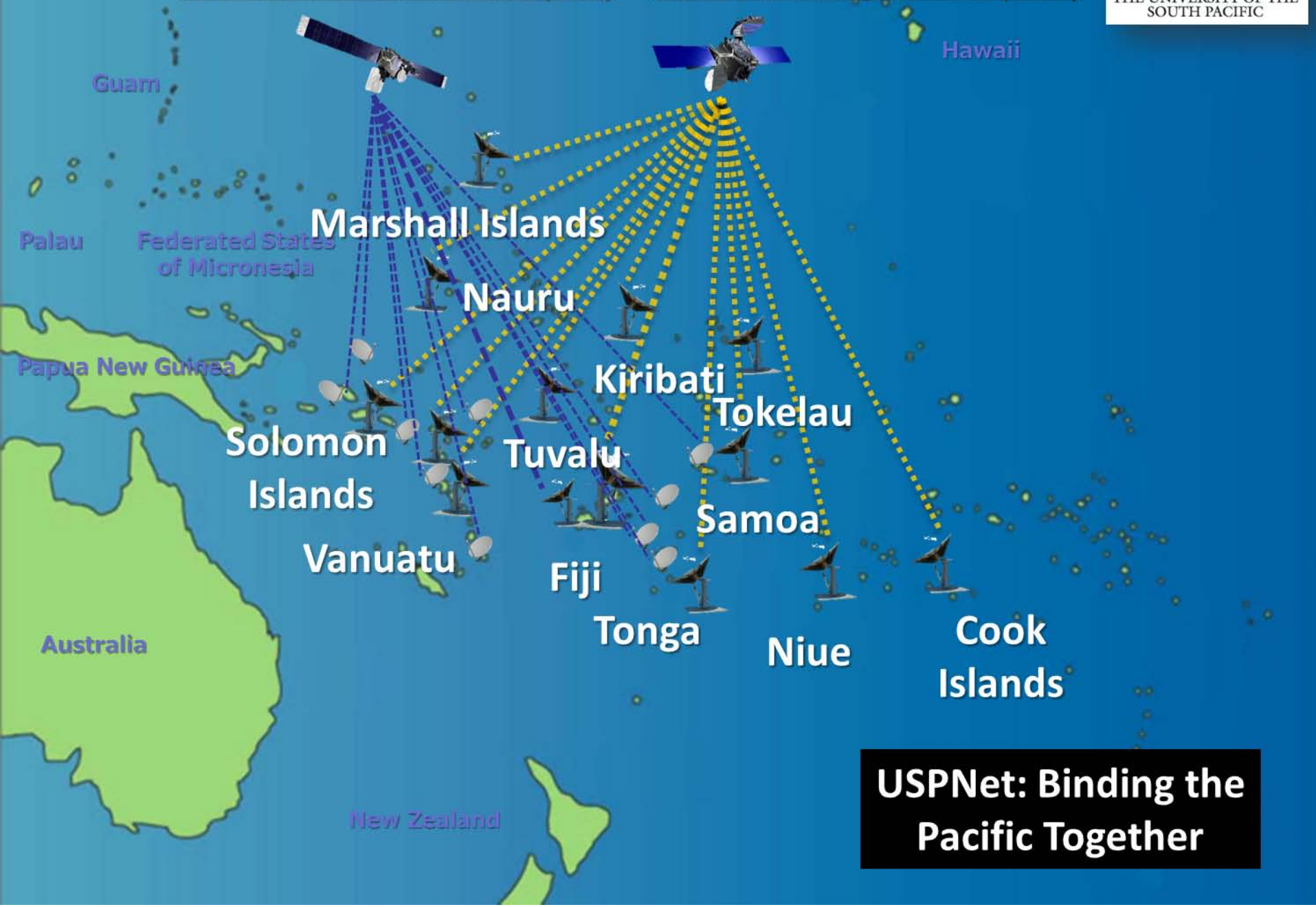
THE UNIVERSITY OF THE SOUTH PACIFIC

Dhiraj Bhartu
Centre for Flexible Learning

Overview

- **USP Background**

- **Technology-enhanced Learning**

- **Challenges**
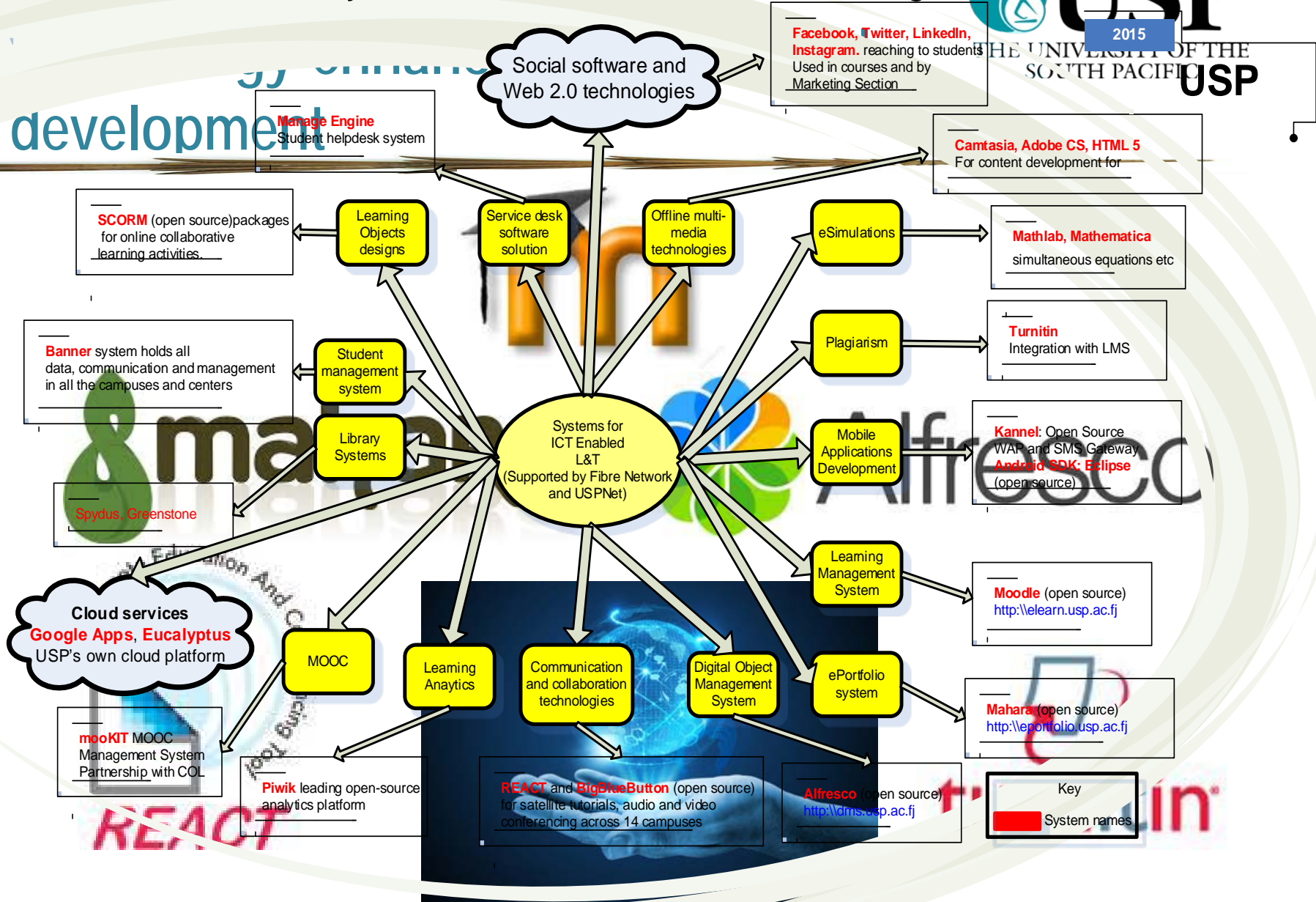
- **Questions**

Ku-band Communication Satellite (IS-18)   C-band Communication Satellite (NSS-9)

USP
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SOUTH PACIFIC

Guam

Hawaii

Palau   Federated States
of Micronesia

Marshall Islands

Nauru

Papua New Guinea

Kiribati
Tokelau

Solomon
Islands

Tuvalu

Samoa

Vanuatu

Fiji

Australia

Tonga

Niue

Cook
Islands

New Zealand

USPNet: Binding the
Pacific Together

Centre for Flexible Learning (CFL)

- Leverage technology and integrate new pedagogies for designing and developing.

- Develop high quality and innovative learning courses and programmes.

- Provide professional development opportunities for staff and students.

- CFL Team:
  - Learning Designer
  - Education Technologist
  - Learning Systems Team
  - Learning Multimedia Team

Dashboard of Systems for ICT Enabled Learning and Teaching

USP
2015
THE UNIVERSITY OF THE SOUTH PACIFIC
USP

Social software and Web 2.0 technologies

Facebook, Twitter, LinkedIn, Instagram. reaching to students Used in courses and by Marketing Section

Manage Engine Student helpdesk system

Camtasia, Adobe CS, HTML 5 For content development for

SCORM (open source)packages for online collaborative learning activities.

Learning Objects designs

Service desk software solution

Offline multi-media technologies

eSimulations

Mathlab, Mathematica simultaneous equations etc

Banner system holds all data, communication and management in all the campuses and centers

Student management system

Plagiarism

Turnitin Integration with LMS

Library Systems

Systems for ICT Enabled L&T (Supported by Fibre Network and USPNet)

Mobile Applications Development

Kannel: Open Source WAR and SMS Gateway **Android SDK: Eclipse** (open source)

Spydus, Greenstone

Learning Management System

Moodle (open source) http:\\elearn.usp.ac.fj

Cloud services Google Apps, **Eucalyptus** USP's own cloud platform

MOOC

Learning Anaytics

Communication and collaboration technologies

Digital Object Management System

ePortfolio system

Mahara (open source) http:\\eportfolio.usp.ac.fj

mooKIT MOOC Management System Partnership with COL

Piwik leading open-source analytics platform

REACT and **BigBlueButton** (open source) for satellite tutorials, audio and video conferencing across 14 campuses

Alfresco (open source) http:\\dms.usp.ac.fj

Key
System names

elearning

- Gamification
- Flipped classrooms
- Interactive content
- Online Forums
- Quizzes
- Wiki's
- Blog's

Mobile Learning

- Accessing student Marksheet from the Moodle platform via SMS

- Accessing final exam timetable which includes time, venue and student seat number via SMS

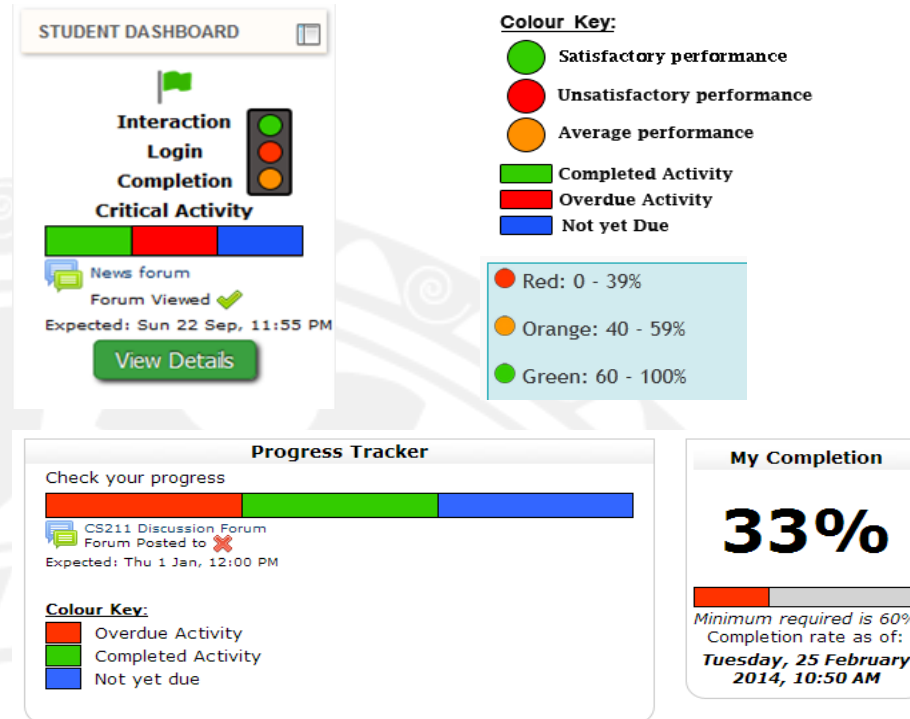- SMS notification from courses

- Responsive design

- Edutainment

MOOCs

- First ever for the USP (Climate Change and Pacific Islands)
  - 1531 participants from 56 countries
  - Completions 27%
- Future MOOCs
  - Early Settlement of the Pacific
  - Western Contact and the Rise of Independence Movements
  - Representations of the Pacific
  - Pacific Epistemologies
  - Pacific Governance and Leadership Systems
  - Climate Change and Pacific Communities
  - Pacific Traditions and Globalization
  - Pacific Arts and Heritage for Sustainable Development

Learning Analytics (Big Data)

- EWS

- Internal open source analytics system
  - Visits, Devices, Browser, Engagement times, locations etc

Professional Development

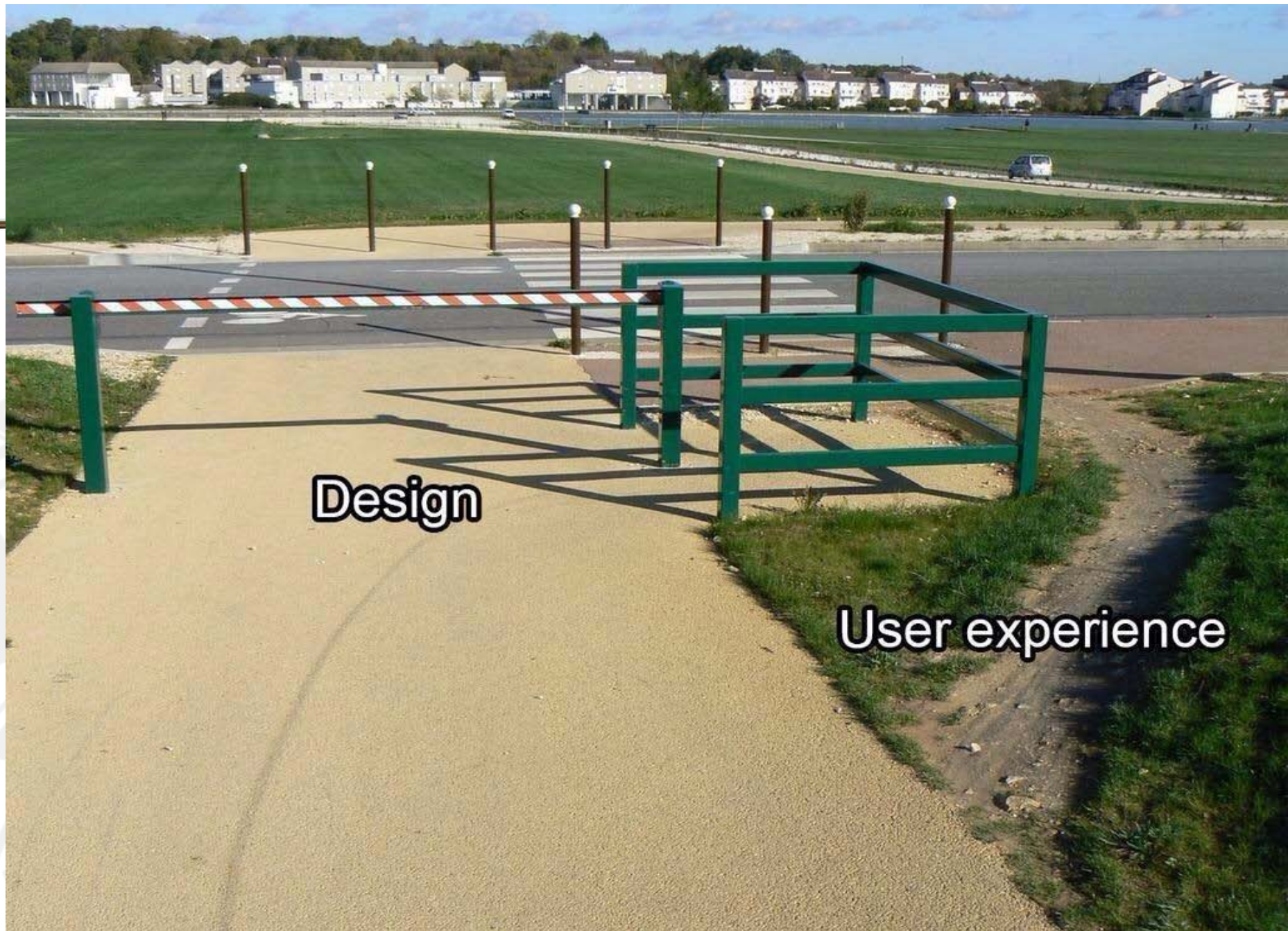| Workshop Name |
| --- |
| Introduction to Moodle |
| Increasing Student Engagement |
| Assessment & Moodle |
| Managing & Monitoring Learning Achievement |
| Use of Turnitin |
| Video Capturing Technology |
| Web Conferencing Technology |

Challenges

- Determine criteria for the various levels of training;
- Separate workshops to cover the pedagogical aspects of online learning;
- Certification;
- Motivation and incentive (more money);
- Recognition;
- Changing the mindsets;
- Geographic location;
- Upskilling our own staff to facilitate;
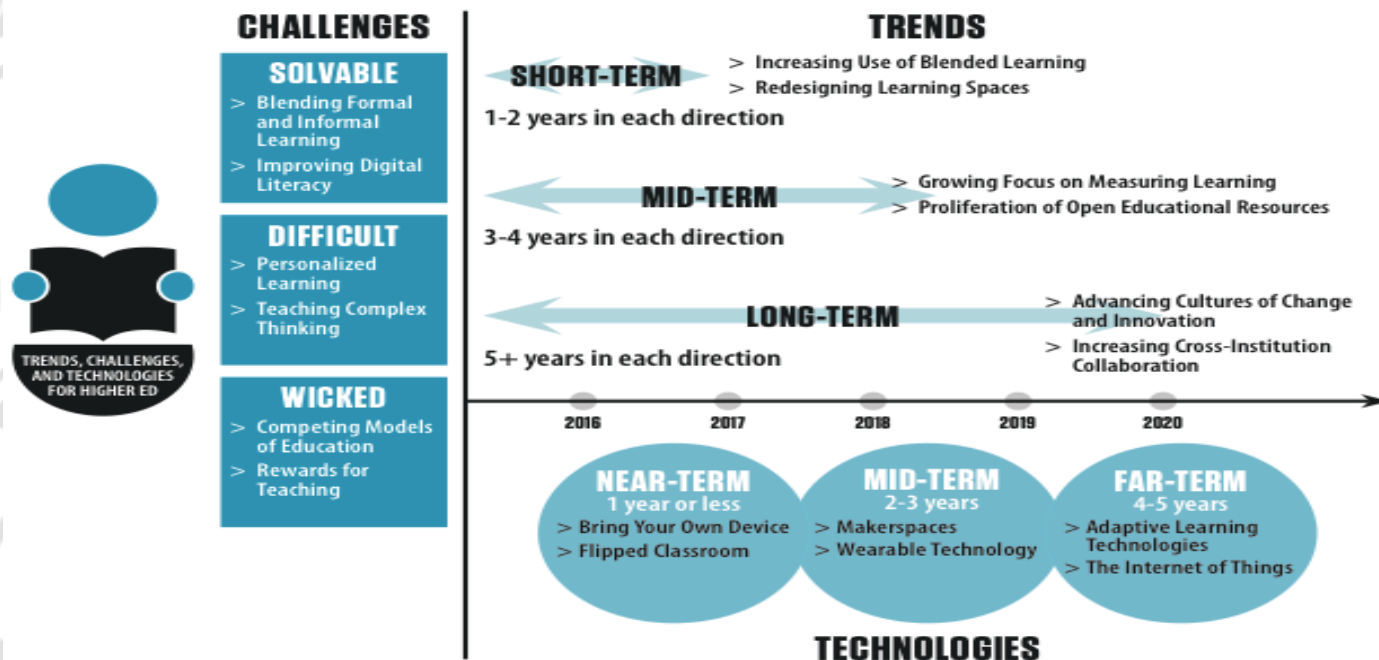- Pacing the workshops;

Future plans

- Adaptive Learning Technologies
- The Internet of Things
- Wearable Technology
- Visualization Technologies
- Virtual and Remote Laboratories

New Media Consortium Horizon Report 2015

Thank You