Management Seminar
3rd December,2020
Chiba, Japan

Learning Management Systems during COVID-19 Pandemic

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Asia and the Pacific

Outline

* Observations from Committee on Coordination of Statistical Activities

* Blended Learning Methodologies for Capacity Development

* SIAP LMS

Observations from Committee on Coordination of Statistical Activities

* "How COVID-19 is changing the world: a statistical perspective" May 2020
* Assessed changes in various sectors measuring economic, social and regional Impact
* Statistical Impact
  * More need for high-quality data available timely basis
* Affected severely data collection through face-to-face interaction
  * Now getting to somewhat normal
  * Still with lot of challenges

Observations from Committee on Coordination of Statistical Activities

* Innovation, resiliency and cooperation
  * Critical indicators for timely production
    * Consumer price index
    * Index of industrial production
    * Number of persons employed
    * Balance of payment statistics
    * Gross Domestic Product
  * Guidance notes provided by concerned international agencies-UNSD, IMF etc.
* Need for adoption of big data, open data and citizen generated data
  * Production of many indicators as experimental indicators
  * High frequency indicators to be generated from this new source of data
* Capacity development

Assessment on present status of blended learning

* Report "Blended Learning Methodologies for Capacity Development" October 2020
* The economic and social entities of the UN secretariat
* Purpose
  * Assessment of current state of e-learning
  * Readiness for using on its own or in combination with face-to-face modalities
  * Best practices and lessons learned

Major recommendations

* Guidelines for capacity development models
  * 9 Principles for Digital Development
    * Design with user
    * Understand the existing ecosystem
    * Design for scale
    * Build for sustainability
    * Be data driven
    * Use open standards, open data, open source and open innovation
    * Reuse and improve
    * Address privacy and security
    * Be collaborative

Models for designing

* Analysis and design
  * ADDIE Model
  * Used by instructional designers and training developers
    * 5 Phases
    * Analysis, design, development, implementation and evaluation
* Design thinking
  * Non-linear, iterative process
    * To understand users, challenge assumptions, redefine problems create innovative solutions to prototype and test
    * 5 phases: Empathize, define , ideate, prototype and test

Methodology

* To make Cap Dev and learning effective online
  * Human interaction, practice-based experience, participatory exercises, co-creation and feed back
* Flexible and scalable learning
  * Level 1:Democratizing access
  * Level 2: Structured, supported and social learning
  * Level 3: Localized and in-person learning
* Use social on-line learning as a real alternative to face-to-face human exchange
* Measuring impact
  * Kirkpatrick model
    * L1-Reaction
    * L2-Learning
    * L3-Behaviour
    * L4-Results

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Technology

* LMS
  * Main role
    * Flexible learning
      * Level and pace
    * Space for sharing and exchange
      * Individuals, organizations and learning and development providers
* Platforms
  * Open Source (Moodle)
  * Proprietary platforms
    * Blackboard, cornerstone OnDemand, Docebo
  * Moodle Business
  * Moodle cloud

Emerging Technologies
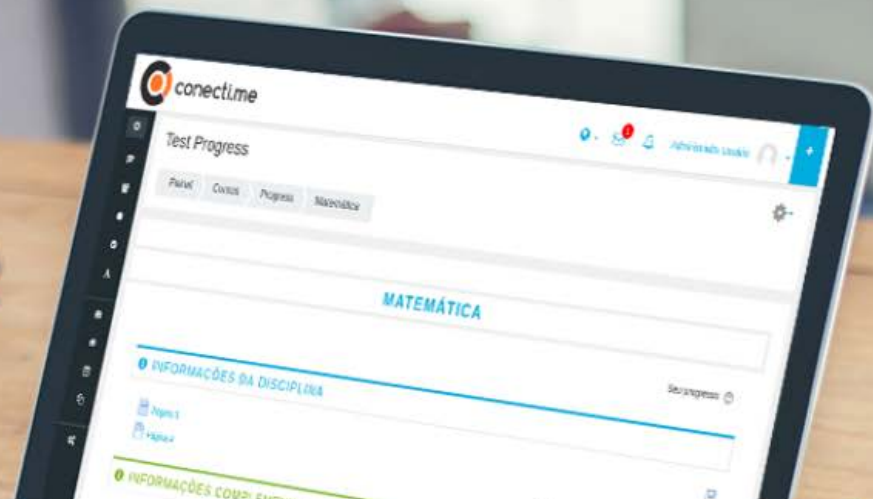
* Modular short courses
* Micro learning
* Mobile Learning
* Additional opportunities
  * Gamification
    * Creating solutions that combine business and training with game design
  * Virtual reality
    * Soft skills
  * Artificial Intelligence and personalization
    * Best course material based on identity, interests and way of learning

SIAP LMS

* SIAP's e-learning platform runs
  * Moodle-open source (version 3.8.2)
* Preparation of the training materials
  * Articulate Storyline version 3
  * Sharable Content Object Reference Model (SCORM 2004)
    * interactive quizzes and videos (Camtasia 2020)
* Hosted on cloud
  * annual subscription
* The trouble shooting, server maintenance is done by the web hosting company
* https://siap-elearning.org/

SIAP e-Learning course number of Participants

		Number of	
		Programmes	Participants
Total		40	7454
2013		5	147
2014		4	373
2015		5	343
2016		4	280
2017		3	457
2018		7	2453
2019		4	920
2020		8	2481

Main features

* Self learning programmes
* Facilitated e-learning
* Discussion box
* Webinar information and details
* Pre-requisite courses
* Evaluation after completion of the course
* Built in assessment system

Main features

* Modular
* Follow up through opportunity to work with specific country
* Looking for impact in improvement of work
* Blended learning supported by regular webinars
* Modern and attractive design of e-learning courses
  * Videos, voice over, interactive activities (polls, chats, games etc.)

* Working on a few Microlearning programmes

Thank you