Course Schedule: ICT in Education

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Module Overview

The "ICT in Education" module is designed to help educators integrate ICT tools and strategies into curriculum development, assessment, multimedia creation, and classroom management. Through a combination of interactive presentations, hands-on activities, and collaborative projects, participants will gain practical skills and knowledge to enhance teaching and learning using technology. The course spans six weeks, divided into three units, each lasting two weeks.

Unit 1: ICT in Curriculum & Assessment

Unit Description

This unit introduces participants to the use of ICT tools in curriculum design and assessment. Participants will learn how to align technology with educational standards, evaluate ICT tools for classroom use, and design engaging learning activities that incorporate these tools. By the end of this unit, participants will have a foundational understanding of how ICT can enhance both teaching and assessment practices.

Learning Objectives
By the end of this unit, participants will be able to:
1. Define key terms related to curriculum and assessment in the context of ICT.
2. Identify and evaluate ICT tools for curriculum development and assessment.
3. Apply ICT tools to design engaging and effective learning activities.

Content Design
The content for this unit includes:
➢ **Interactive Presentation**: An overview of curriculum targets, standards, and assessment goals.
➢ **Exploration of Tools**: Demonstrations of software packages such as MS PowerPoint and educational apps (e.g., Kahoot!).
➢ **Reading Resources**: Articles on open educational resources (OERs) and their application in education.

➢ **Discussion Forum**: Participants will share examples of effective ICT integration in their subject areas.

➢ **Lab Session**: Hands-on practice with educational apps to create sample assessments.

Activities
1. View an interactive presentation on ICT in curriculum and assessment.
2. Complete a lab session where participants practice using educational apps for assessment purposes.
3. Participate in a discussion forum to share examples of effective ICT integration.

Assessment
1. **Quiz**: A short quiz on key terms related to curriculum and assessment.
2. **Assignment**: Design a lesson plan incorporating at least one ICT tool for a specific learning objective.

Unit 2: Creating Multimedia for Learning

Unit Description

This unit focuses on the principles of multimedia design for education. Participants will explore how multimedia elements such as text, graphics, audio, video, and animations can enhance learning outcomes. Through hands-on activities, participants will develop their own multimedia content using tools like blogs, Google Slides, or Canva.

Learning Objectives
By the end of this unit, participants will be able to:
1. Understand the principles of multimedia design for education.
2. Develop skills in creating engaging multimedia content using various tools.
3. Evaluate the effectiveness of multimedia in enhancing learning outcomes.

Content Design
The content for this unit emphasizes creativity and practical application:
➢ **Principles of Multimedia Design**: Text, graphics, audio, video, and animation (based on Mayer's principles).
➢ **Tool Tutorials**: Step-by-step guides for creating multimedia content using Google Slides or Canva.
➢ **Case Studies**: Examples of effective multimedia resources used in education.
➢ **Collaborative Project**: Small groups will work together to create a multimedia resource for a specific topic.

Activities
1. Watch a tutorial on creating multimedia content using Google Slides or Canva.

2. Participate in a lab session where participants develop their own multimedia presentations or interactive games.
3. Collaborate on a group project to create a multimedia resource.

Assessment
1. **Peer Review**: Participants will review each other's multimedia projects using a rubric provided by the instructor.
2. **Reflection Paper**: A short paper discussing the use of multimedia in education and its impact on engagement.

Unit 3: Digital Approach to Classroom Organization & Administration

Unit Description

This unit explores how digital tools can streamline classroom organization and administration. Participants will learn how to use Learning Management Systems (LMS) like Moodle or Google Classroom alongside productivity tools like Google Sheets and Docs for communication, collaboration, and assessment.

Learning Objectives
By the end of this unit, participants will be able to:
1. Explore the use of Learning Management Systems for classroom organization.
2. Utilize digital tools for communication, collaboration, and assessment.
3. Apply digital resources to enhance professional development.

Content Design
The content is designed to provide practical strategies for managing digital classrooms:
➢ **Introduction to LMS Platforms**: Navigation tutorials for Moodle and Google Classroom.
➢ **Productivity Tools**: Using Google Sheets for grade tracking and Google Docs for collaborative lesson planning.
➢ **Strategies for Online Communication**: Best practices for managing discussion forums, announcements, and group projects.

Activities
1. Navigate through Moodle or Google Classroom with guided exercises.
2. Practice creating gradebooks using Google Sheets during a lab session.
3. Participate in an online discussion about strategies for managing digital classrooms effectively.

Assessment

1. Participation in online discussions about classroom management strategies.
2. **Final Assignment:** Design a comprehensive digital classroom organization plan using Moodle or Google Classroom.

Course Schedule

Week	Unit Title	Activities	Assessments
1	Unit 1: ICT in Curriculum & Assessment	Interactive presentation; Lab session; Discussion forum	Quiz; Lesson plan assignment
2	Unit 1: ICT in Curriculum & Assessment	Lab session continued; Peer feedback on lesson plans	Lesson plan submission
3	Unit 2: Creating Multimedia for Learning	Tutorial on multimedia tools; Lab session	Peer review; Reflection paper
4	Unit 2: Creating Multimedia for Learning	Collaborative project; Group presentations	Group project submission
5	Unit 3: Digital Classroom Organization	Navigation exercises (Moodle/Google Classroom); Lab session on productivity tools	Online discussion participation
6	Unit 3: Digital Classroom Organization	Discussion forum; Final assignment	Digital classroom organization plan

Notes

➢ All assignments are due at the end of each unit unless otherwise specified.

➢ Weekly announcements will provide reminders about upcoming deadlines and additional resources.