Annasaheb Dange College of Engineering and Technology, Ashta
(An Autonomous Institute affiliated to Shivaji University, Kolhapur)
Department of Computer Science and Engineering
(NAAC A++ Grade Accredited Institute, ISO 9001: 2015 Certified Institute)

Moodle and Google Classroom Activity

1. Introduction

Moodle, which stands for Modular Object-Oriented Dynamic Learning Environment, is an open-source learning management system (LMS) designed to provide educators, administrators, and learners with a single, integrated platform for creating and delivering online courses. Developed by Martin Dougiamas, Moodle is widely used in educational institutions, businesses, and other organizations to facilitate e-learning and training.

Google Classroom is an online learning platform developed by Google to simplify the process of creating, distributing, and grading assignments in a paperless way. It's designed primarily for educational institutions, allowing teachers to manage coursework and communication with students in a centralized digital environment.

2. Objectives:

Centralized Learning Hub:

A centralized platform where educators can organize and deliver course content, resources, and activities. This creates a structured and easily navigable space for both teachers and students.

Interactivity and Engagement:

Moodle and Google Classroom offers a range of interactive activities such as forums, quizzes, workshops, and wikis. These tools foster collaboration, communication, and engagement among students and between students and instructors.

Assessment and Feedback:

Moodle and Google Classroom provides tools for creating and managing assessments, including quizzes and assignments. The platform supports various question types and offers automated grading for certain types of assessments. Instructors can provide timely feedback to students.

Tracking and Monitoring:

Moodle and Google Classroom reporting and analytics features allow administrators and educators to track student progress, participation, and engagement. This data can be used to identify areas of improvement and tailor instructional strategies.

Resource Sharing:

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Educators can easily share learning resources, documents, and multimedia with students through Moodle. This simplifies the distribution of materials and ensures that students have access to relevant content.

Time and Location Independence:

Moodle and Google Classroom's online nature allows for learning to take place anytime, anywhere. This flexibility is particularly beneficial for students who may have other commitments or prefer self-paced learning.

Cost-Effective Solution:

Moodle and Google Classroom provides a cost-effective solution for educational institutions. It eliminates the need for expensive proprietary software licenses and allows for ongoing customization and improvement.

3. **Implementation**

   Moodle: Content shared on Moodle can encompass a wide range of educational materials and resources. The platform supports various file types and content formats, allowing educators to create a rich and interactive learning experience. For the Second Year students, Teacher have shared the contents of the course CPP Programming (1CSPC206) on the Moodle. Teacher have share the Power Point Presentation in ppt format and Notes in pdf format. Also Teacher have taken the submission of the course in the form of programs which was uploaded on Moodle in the form of Assignment by the students.

   Google Classroom: In Google Classroom, educators can share a variety of content to facilitate online learning and collaboration. The platform seamlessly integrates with various Google Workspace tools, providing a comprehensive set of features for content sharing and communication. For the course Database Essentials and Business Intelligence we have share the contents on Google Classroom. Teacher have share the Power Point Presentation in ppt format and Notes in pdf format. Also Teacher have shared the self-recorded video URL on the Classroom.

4. **Technology Tools:**
   MOODLE and Google Classroom.

5. **Conclusion**

   Using Moodle and Google Classroom as a learning management system offers several advantages for educational institutions, instructors, and students. In conclusion, the benefits of using Moodle include Flexibility and Customization, Open Source and Cost-Effective, Centralized Learning Hub, Diverse Content Delivery,

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Collaborative Tools, Assessment and Grading, User Management, Integration with External Tools, Multilingual Support, Active Community Support, Scalability, Trackable Progress and Analytics etc.

Moodle and Google Classroom's reporting and analytics tools allow educators and administrators to monitor student progress, participation, and engagement. This data-driven approach helps in assessing the effectiveness of courses.

6. Evidence:
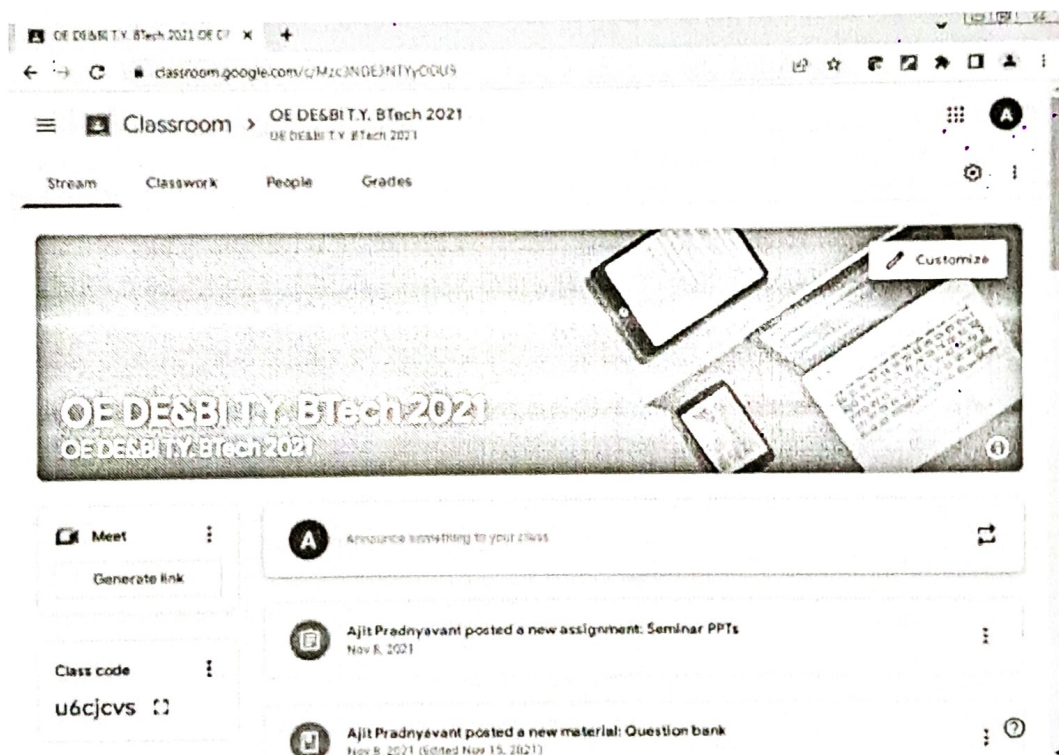
Figure1: Google Classroom

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Figure 2. Moodle Home Page

Figure 3. CPP Programming course on Moodle

Course Coordinator
(Name & Sign)

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Aug 31, 2021

Ajit Pradnyavant posted a new material: Unit III PPTs
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Aug 13, 2021

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📋 Announcements

📄 C++ Programming Curriculum 2.6MB PDF document

This is the curriculum of C++ Programming course. Student can refer this curriculum.

Laboratory

📄 Experiment Templates 12.6KB Word document

Students has to use this template to upload the solution to given problem statement.

📄 Laboratory Manual 879.2KB PDF document

Students has to use this Laboratory Manual while performing in the laboratory.

Laboratory Submission

📁 Experiment No. 01

📁 Experiment No. 02

📁 Experiment No 03

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- Experiment No 04
- Experiment No 05
- Experiment No 06
- Experiment No 07
- Experiment No 08
- Experiment No 09
- Experiment No 10
- Mini Project Upload

Unit I Fundamentals of Object Oriented Programming

- PPTs

  Students can download the PPTs of Unit I from here.

- Unit I Notes 346.2KB PDF document

  Students can refer this Notes for Unit No 1.

Unit II Arrays & Pointers

- PPTs

- Unit II Notes 518.1KB PDF document

Unit III Inheritance

- PPTs

- Unit III Notes 270.6KB PDF document

Unit IV Polymorphism

📁 PPTs

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Unit V File and Streams

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Unit VI Templates

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Topic 9

Topic 10