

Modern Classroom- A Step towards Smart Class

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Abstract:

Students today use google drive technology for many personal applications. Now they need to understand how this technology works in order to be prepared for the smart classroom and finally to fulfill the requirement of e-classroom. Teachers can only guide in order to use this technology in efficient manner so students can efficiently use their time, maximize their knowledge and learn valuable skills that are being used in the business world today. We will demonstrate how this technology helps to making a class smart. This innovation can be integrated into established learning environments and address issues raised in the teaching-learning process. The goal of the presenters is encourage a healthy environment in the classroom by conveying proper information among the students and clear all their queries on proper time. Google Drive as an implementation platform. We believe that this approach led to the transformation of student learning practices, altered power relationships in the classroom and facilitated the development of critical attitudes towards knowledge and authority. Students learned new skills using free or inexpensive online tools and had a meaningful and enjoyable experience.

Keywords:-Google drive,dropbox,smartclassroom,teaching-learning process,add-ons,e-classroom

1. INTRODUCTION

What is Google Drive and how it benefits for classroom:-

Google Drive is the home of Google Docs, Sheets and Slides, an office suite of productivity applications, that offer collaborative editing on documents, spreadsheets, presentations, drawings, forms, and more. Google Drive is an online office suite that includes a word processor (Google Docs), spreadsheet program (Sheets), and presentation tool (Slides). Google Drive also includes storage space, which is where it gets its current name (think "hard drive" that lives on Google's servers, as well as on your own PC or laptop). Unlike Microsoft Office, Google Drive is free to use (for up to 5 GB of storage space). Many people are introduced to Google Drive through Google Docs, the incredibly popular online wordprocessor that is part of the Google Drive office software suite. Others are attracted by Drive's other free programs and features.

It's no surprise that online classes are becoming more and more popular. As with most things in life, people want convenience. Many colleges are taking note and offering online degrees. Now, students have the option of not only obtaining their education through one of the many online based colleges, but they can also choose from many local colleges as well. Some advantages are like that you don't have to pay for transportation, you may be self starter, it's possible to take more classes with an online degree

flexibility, convenience etc. For that google provides a feature called google classroom this feature specially one of the important feature in itself.

Classroom is a new tool in Google Apps for Education that helps teachers create and organize assignments quickly, provide feedback efficiently, and easily communicate with their classes. Classroom helps students organize their work in Google Drive, complete and turn it in, and communicate directly with their teachers and peers. This is a free suite of productivity tools including Gmail, Drive and Docs.

Classroom is designed to help teachers create and collect assignments paperlessly, including time-saving features like the ability to automatically make a copy of a Google Document for each student. It also creates Drive folders for each assignment and for each student to help keep everyone organized.

Students can keep track of what's due on the Assignments page and begin working with just a click. Teachers can quickly see who has or hasn't completed the work, and provide direct, real-time feedback and grades right in Classroom.

Google School, part of the toolkit, allows educators to assign and collect work, view who has and has not tackled an assignment, make announcements, and create separate Drive folders for each student. In addition, in a similar way to Google+, students can post to a "stream" of content to connect with other

classmates. In order to maintain student privacy, Classroom is ad-free and data will not be used for marketing purposes. The tech giant piloted the scheme with over a dozen schools and universities before allowing educators to apply for a preview of Classroom.

According to Google, more than 100,000 educators from more than 45 countries signed up to take a look. Create and collect assignments; Classroom weaves together Google Docs, Drive and Gmail to help teachers create and collect assignments paperlessly. They can quickly see who has or hasn't completed the work, and provide direct, real-time feedback to individual students. Improve class communications; Teachers can make announcements, ask questions and comment with students in real time—improving communication inside and outside of class. Stay organized: Classroom automatically creates Drive folders for each assignment and for each student. Students can easily see what's due on their Assignments page

A number of modifications have been made to Classroom following feedback from teachers during the preview stage. For example, teachers used to have to wait until an assignment is turned in to collaborate with students, and now educators can provide feedback along the way. In addition, teachers requested a simple area to post information and materials about their classes, so Google added an "About" page for each course.

When teachers create assignments, they can also attach files from Google Drive -- everything from Docs to Word and Excel -- and choose to automatically make a copy for each student.

Classroom enables a teacher to create a "class" at the touch of a button. She or he can upload syllabus materials, whether text, audio or video, and send out assignments on the class news feed.

1. Meet the new Google Drive :-

It's been a little more than two years since Google Drive launched, and already, more than 190 million people are actively using it to safely store and access their files on their phones, tablets, and computers. This tremendous growth has allowed us to offer more affordable storage plans and, today, we're updating Drive so it's faster and even easier to use.

1.1 Formobile

If you use the Drive app for Android or iOS, you'll notice everything is now a bit speedier and easier to

navigate. Thanks to faster background syncing, the new mobile app makes it easy to find and quickly open files. Plus, you get a host of new features that let you see who has access, view recent changes, or grab a link to share with more people. You can even enable offline access or print a file directly from the app.

1.2 Fortheweb:-

You'll be offered access to the new Drive for the web over the coming weeks. When you agree to give it a try, you'll experience a new look and better performance. It's also easier to take some of the most common actions — simply click once on a file to see recent activity, share with friends, or enable offline access. For you organizational fiends, you now have three easy ways to take group actions on multiple files: right click on the selected files, use the menu above the file area, or simply drag the group to a new location in Drive.

1.3 Foreveryone:-

We are committed to making Drive useful for everyone. This includes having it localized in over 70 languages and, with this latest update, making Drive much more accessible for our blind and visually impaired users. The new Drive includes improved keyboard accessibility, support for zooming and high contrast mode, and better compatibility with screen readers.

For now:-

That's it. Get the mobile apps on Google Play and in the App Store, and then visit drive.google.com on your computer to use Drive on the web.

2. Google docs add-ons:-

Google has introduced several tweaks in its Drive for both web and mobile apps. Google Drive has a new desktop interface. The updated UI includes a unified "New" button for both creating new documents and uploading files.

Other changes include a streamlined grid view, a list of recently used folders, an incoming view that shows the files that have been shared, a simplified toolbar, better ways to select files, a new look for the "details and activity" sidebar.

Below are some interesting add-ons you can add to your Google Docs :

2.1- EasyBib Bibliography Creator:-

The Bibliography Creator by EasyBib allows you to easily create a bibliography for your research paper. Automatically cite books, journal articles, and websites just by entering in the titles or URLs. Format citations in MLA, APA, and Chicago style. When you're finished creating your bibliography, click Generate Bibliography and we'll alphabetize your citations and add them to the end of your paper.

2.2- Kaizena:-

Kaizena makes it easy for teachers to give high quality feedback on student work - simply highlight and speak to give verbal feedback, or attach reusable resources for common problems. This Doc Add-on allows you to quickly open the Google Doc you're currently viewing in Kaizena, which is very useful if you're using workflow tools that link directly to a Google Doc such as doctopus.

2.3- Texthelp Study Skills:-

Use Texthelp's Highlighting Tools to select and highlight key areas of your document to collect, group, and learn from later. Simply highlight the selected text, and the tool will extract it and place it in a new document (by color or location) for students or their educators to review.

2.4-Lucid Chart Diagram:-

Lucidchart is an HTML5-based visual collaboration tool that makes drawing diagrams fast and easy. Work together with an unlimited number of others to create and edit diagrams in real time, with changes merged and synced instantaneously -- great for team collaboration

2.5- Track Changes:-

When collaborating on a document, it can be tough to manage the editing process. Track Changes Basic gives you the control you need. You can selectively accept the edits you like, and discard the ones you don't.

2.6- Twitter Curator:-

The Twitter Curator add-on for Google Docs helps you find and curate tweets right inside your Google documents. Just sign-in with your existing Twitter account and start curating. It supports hash tags, @mentions and all the other Twitter search operators.

2.7- Hello Sign:-

HelloSign takes paper out of the equation. You'll never need to print, sign and scan documents again! Simply open your Google Doc, add your signature and send it off as a PDF. It's legally binding and takes less than a minute.

3.Dropbox trying to top Google Drive

The sharing controls on Dropbox Pro added three new features. Firstly, is the new "new layer of

security" allowing owner of the file/s to set up unique password for a specific file, or files. Secondly, accounts on Dropbox Pro can also set up expiration date for files shared on the web which is very useful especially for users with many files shared online which are harder to manage. And lastly for the sharing controls, Dropbox Pro users can also specify how they want files to be viewed on the web with support for view-only permission, or set one or many files available for editing.

It's plausible that Dropbox is feeling the "heat" after Google Inc. dropped the prices of its Google Drive service which offers similar features. Google Drive, which is shipping out of the box on Android, is synced with Gmail (Google accounts) with free 15GB of working space. For additional space on the web, Google Drive is selling an additional 100GB of storage for just \$1.99 per month, while the 1TB additional space sports the tag price of \$9.99 per month. Both Google and Dropbox are competing for business dollars. The search engine giant started selling storage and business collaborative tools this quarter via the Google Drive for Work. Meanwhile, Dropbox is trying to expand overseas with its own business solution called Dropbox for Business. The company's expansion plans to UK and other countries were reported last month. Google has finally integrated third party add-ons to its Google Docs and Spreadsheet making it impossible for users to install a wide variety of add-ons on their documents and sheets and access them across different devices. Add-ons are tools created by developer partners of Google that give you more features to do many things with your documents and spreadsheets. To start adding add-ons for Docs and Sheets, you need to select "Get add-ons" in the Add-ons menu of any open document or spreadsheet. Once the add-on is installed, it will become available across all of your documents r spreadsheets and you can start using it right away.

4.Features of drive classes:-

Google Classroom is available in 42 languages, and according to the tech giant, "works well" on most mobile devices.

Google Classroom will tie many of Google's products together to help organize assignments, provide teacher to student communication and provide storage for students to submit work. Assignment creation and distribution is accomplished through Google Drive, Google's file hosting service, while Gmail, Google's webmail, is used to provide

classroom communication. Each class created with Google Classroom creates a separate folder in the respective Google Product where the student can submit work to be graded by a teacher. Communication through Gmail allows teachers to make announcements and ask questions to their students in each of their classes. Google Classroom will not show any ads in its interface for students, faculty, and teachers

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5. Benefits for classes :-

5.1 Easy to set up Teachers can add students directly or share a code with their class to join. It takes just minutes to set up.

5.2 Saves timeThe simple, paperless assignment workflow allows teachers to create, review, and grade assignments quickly, all in one place.

5.3 Improves organization Students can see all of their assignments on an assignments page, and all class materials are automatically filed into folders in Google Drive.

5.4 Enhances communication Classroom allows teachers to send announcements and start class discussions instantly. Students can share resources with each other or provide answers to questions on the stream.

5.5 Affordable and secure Like the rest of our Google Apps for Education services, Classroom contains no ads, never uses your content or student data for advertising purposes, and is free for schools.

5.6 Edit documents, presentations, and drawings offline:-

Want to access your Google Drive documents even when you're offline? These instructions will let you install an app from the Chrome Web Store to take Google Drive offline should the need arise. As of this writing, you can work offline in your browser to edit documents, presentations, and drawings, but only view spreadsheets and presentations.

6. Plan ahead and reap the benefits:-

Google Drive is a great tool to distribute content to your students and to have them return assignments in all media (the Drive repository allows students to submit not only traditional documents, but video, mind-maps, images, and more). By effectively planning your distribution and return protocol, you cannot only be more efficient but save a great deal of time in the mundane but essential logistics of lesson planning and rollout.

6.1 Distributing Material to Students

If you are having your students work on an electronic assignment, then Google Drive can be an effective and efficient method of distributing instructions, worksheets, and other documents for students to use. But to assure a good flow, you must first assess a few key elements. Do you want students to be able to modify the document? And, if so, for the class as a whole or just individually?

Google Drive allows you to share content in several ways. If you want to distribute instructions to the group (but not allow them to inadvertently change them), then be sure that when you click on "share," you select the appropriate access. The choices:

- "Can view" will allow students to see the document only.
- "Can comment" means they can view the document and leave comments but not change the document at all.
- "Can edit" means they can edit the document in its entirety but not delete it.

In my classes, I have found it useful to post instructions as "view only" and encourage students to ask follow up questions in class or via email. Some

teachers may find the comments feature effective for questions and follow up.

Sometimes you create a document that you want students to modify—for example, a series of questions about a reading assignment or data from a lab exercise. If it is a document that you would like the class or a group to modify together, then the share feature offering “can edit” privileges will suffice.

However, if it is an individual assignment, then you need to add an extra step to make sure that the original document doesn’t accidentally get modified improperly for and by everyone. For individual assignments, share the document with your students offering “view only” privileges and instruct students to then make a copy that they can then modify. (They do this by opening the document and clicking File > Make a Copy.)

This copying step will ensure they have the document you would like them to use but limit the editing to an individual user. If you have students working in small groups, you can assign a group leader who is responsible for this step and sharing with his or her classmates.

7. Future scope

1. Any more technology or features which can make classes more smarter.
2. Technology to check the problems

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