

7.2.1_SIT_best practices1_2017-2018

Index

Best practice 1

Title: Use of google classroom in teaching, learning and evaluation

Sl no.	List of documents
1	Screenshots of google classroom
2	Contents of course file

1. Title of the Practice

Use of google classroom in teaching, learning and evaluation

2. Objectives of the Practice

The institute is using google classroom effectively with the following objectives/intended outcomes from the last five years.

1. Effective interactive teaching-learning
2. Conduction of online examination (assignments, class tests, quizzes, etc)
3. Online evaluation, result declaration and grading
4. External academic audit
5. Smooth functioning of each course - complete transparency in teaching-learning process and confidentiality in online examination, evaluation and grading

3. The Context

It is difficult to keep attention of students of this generation in the actual classroom and it is easy to attract them with the help of technological platform as the students of this generation are tech savvy. Also, there was a need of an online platform which helps students and instructor to co-create the teaching - learning process. Keeping these things in mind, the institute made mandatory use of a google classroom for each course. Initially there were hurdles/reluctance, slowly both faculty and students got used to this practice and they became comfortable. Google classroom is a very handy online platform for teaching and evaluation online.

4. The Practice

1. Each faculty is using google classroom for teaching – learning process
2. They upload syllabus, lesson plan and schedule of internal assessment in the beginning of each semester
3. The teaching material will be uploaded from time to time, be it notes, videos, ppts or sharing the link of relevant topic
4. Complete transparency is maintained by uploading marks of internal assessment
5. Assignments, class tests and quizzes are conducted online, evaluated online and student can see his/her marks online. All these things will be strictly confidential.



6. In the middle of the semester, internal audit and at the end of the semester, external audit are carried out through google classroom. The audit is paperless audit.
7. There are many platforms for online teaching – learning process. Out of all, it is found that google classroom is free, open source, widely used, comfortable to use and safe online tool along with other online tools such as screencast – o – matic, OBS (Open Broadcaster Software), ppt recording to prepare teaching material and google meet to conduct on line classes, doubt clearing/tutorial sessions, one-to-one examination, etc.
8. All communication regarding the course is through google classroom
9. In case of any doubt, student will interact with teacher through google classroom.

5. Evidence of Success

1. Better management of the resource – Students showed more interest when a particular content is uploaded in google classroom. They can read / watch as per their convenient – time and speed. Also they can read/watch again for clarity if they have the material readily available with them.
2. Interactive teaching learning – Students are more interactive with the use of google classroom. In the regular classroom, they hesitate to ask questions/raise queries in front of other students.
3. Paper free academic audit – Since all the details of a particular course is available in the respective google classroom, lot of paper is saved and also better time management in end semester audit. Also, details are available in your device, no need to move physical files.

6. Problems Encountered and Resources Required

As google classroom is user friendly, really we did not face any difficulty in the actual implementation.

The requirements are very minimal.

1. a G-suite account and internet connection - Google classroom comes with a G – suite account and the institute is having its own domain associated with gmail, each faculty and student is having unique id of SIT domain, through which they use google classroom.
2. To prepare ppts and video lectures, there is need of other sources like OBS, Screencast – O – matic, One note, etc. which are all open source software.
3. Also, to conduct online sessions and online examination (viva) there is a need of good video conferencing software, for eg, google meet, zoom, Microsoft teams, etc. Google meet is associated with gmail account and zoom is open source. The institute has licensed version of each of these software.

7. Notes (Optional)



Google classroom along with other open source software is a very useful tool which helps in creating an interactive participation between a teacher and students. In the current scenario, it is one of the best options to teach, communicate with the students and for evaluation also.

Documents to be uploaded in google classroom


Contents of the course file (Theory)

1. List of students
2. Subject syllabus
3. Teaching plan
4. Teacher time table (Individual)
5. Component Evaluation Plan
6. Component 1 Record (With the signature of students)
7. Student Sample copy of Component 1 (For Ex. Scanned, submitted e-copy, etc.)
8. Unit Test/ Class Test question papers (Component 2) & CA Record (With the signature of students)
9. Sample scanned answer sheet of Unit Test / Class test
10. Component 3 CA Record (With the signature of students)
11. Student Sample copy of Component 3 (For Ex. Scanned, submitted e-copy, etc.)
12. Component 4 CA Record (With the signature of students)
13. Student Sample copy of Component 4 (For Ex. Scanned, submitted e-copy, etc.)
14. Attendance Record

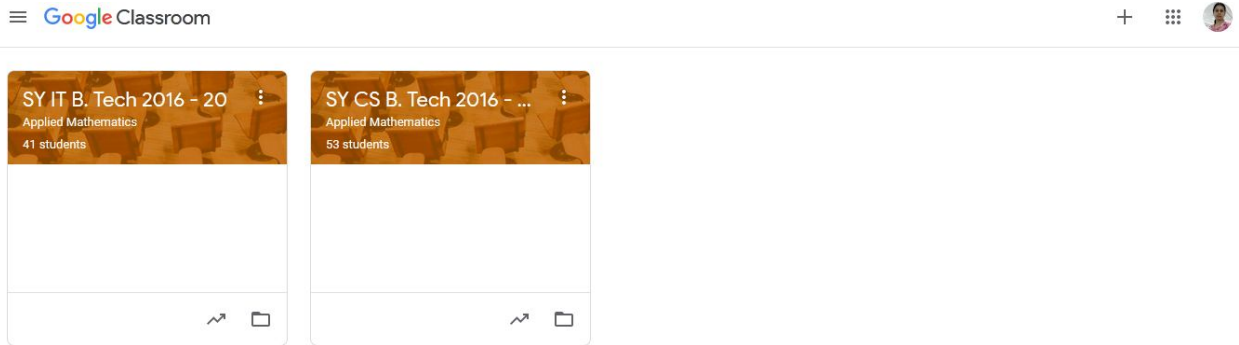
Contents of the Lab file

1. Syllabus copy for lab
2. Plan for conducting of practicals.
3. Individual teacher's time table
4. Lab manuals (if any)
5. Attendance record

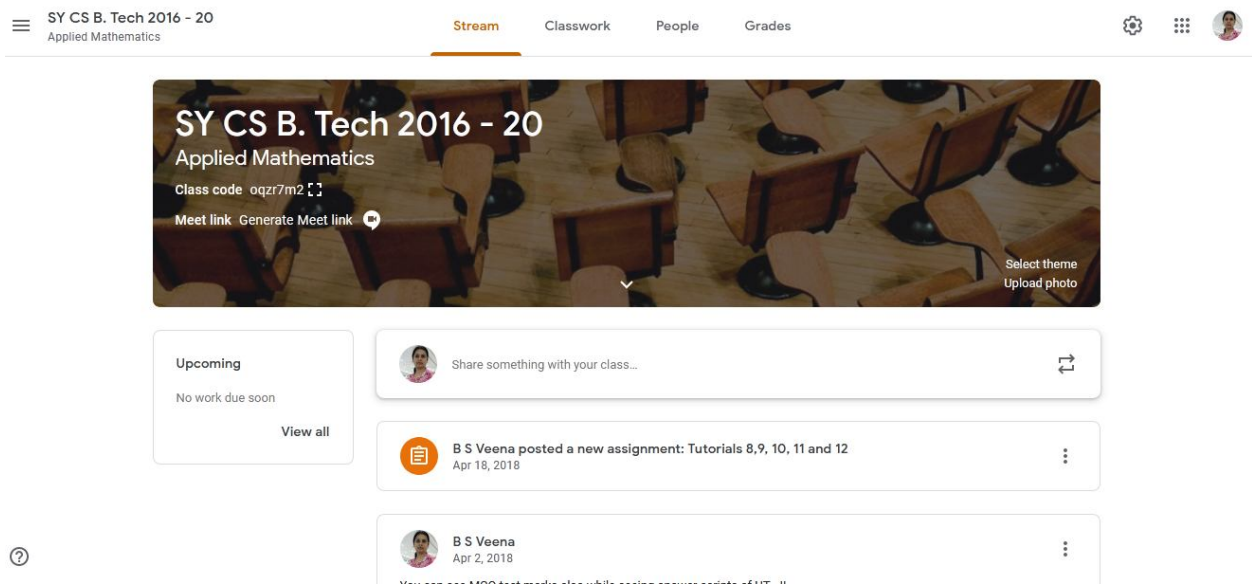



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Screen shot of home screen of google classroom



Home page of a classroom









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People (teachers and students) in the classroom


SY CS B. Tech 2016 - 20
Applied Mathematics





Stream Classwork **People** Grades

Teachers 

-  B S Veena
-  Arundhati Warke 
-  Head CSIT (invited) 

Students 

Actions  AZ



-  Aasheer Peerbhai 
-  Abhilash Shekhar 

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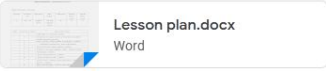
Syllabus and lesson plan shared with students



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Applied Mathematics



Stream Classwork People Grades

 B S Veena
Jan 8, 2018 

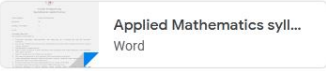
Lesson plan of Applied Mathematics

 Lesson plan.docx
Word

 Add class comment... 


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Syllabus of Applied Mathematics

 Applied Mathematics syll...
Word

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Assignments posted

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We are starting with the next unit Numerical methods from the next class. It is not possible to solve problems in this unit without calculator. So, it is mandatory to bring scientific calculator to the class. Mobile calculators are not allowed.

Add class comment...

B S Veena posted a new assignment: Tutorial sheet 4 - Complex Integration 2
Jan 25, 2018

B S Veena posted a new assignment: Tutorial sheet 3 - Complex Integration 1
Jan 19, 2018

B S Veena posted a new assignment: Tutorial sheet 2 - Complex differentiation
Jan 15, 2018

B S Veena posted a new assignment: Tutorial sheet 1 - Introduction and Basics of complex ...
Jan 8, 2018

Announcement in google classroom

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B S Veena
Mar 11, 2018
This week tutorial questions will be given in respective tutorial batches.

Add class comment...

B S Veena
Mar 8, 2018
A class test / MCQ will be conducted as part of continuous assessment in respective tutorial slots during March 19 - 24, 2018. Syllabus for this will be Numerical methods and Statistical methods. No retest will be conducted and will be marked zero if the student is absent.

Add class comment...

B S Veena
Mar 8, 2018
A class test / MCQ will be conducted as part of continuous assessment in respective tutorial slots during March 19 - 24, 2018. Syllabus for this will be Numerical methods and Statistical methods.



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