



Criteria- II: Teaching Learning and Evaluation

2.3.2 Teachers use ICT enabled tools including online resources for effective teaching and learning process

ICT tools used by faculties





Use of ICT-enabled tools for Teaching, Learning and

Evaluation 2017-2022

Department of CHEMISTRY

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Google Form: A teacher could design a quiz/ test taking into consideration the difficulty level of the course and paste a shortened link of the course on an appropriate platform which is accessible to the learner. Institute has subscription at campus level to the Google Workplace.

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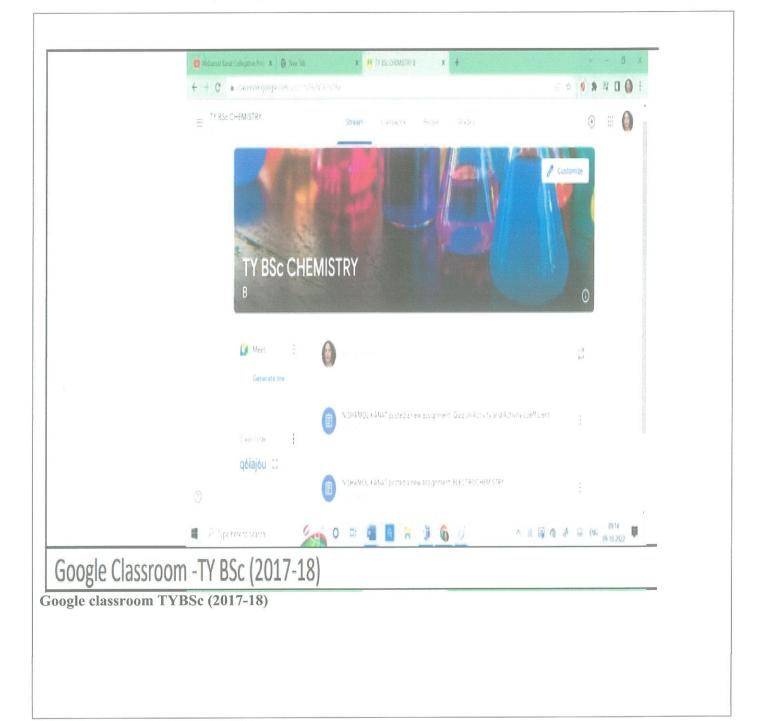
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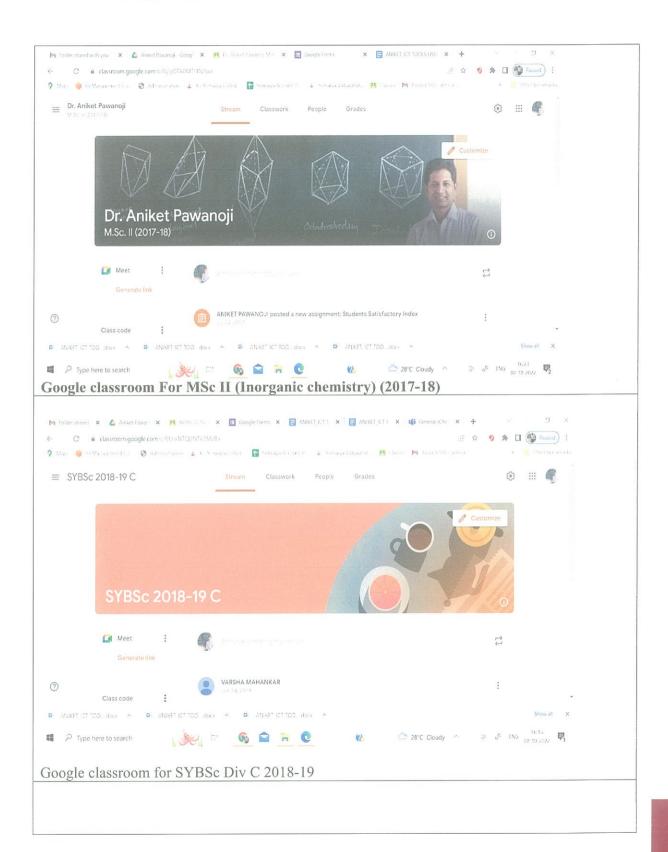


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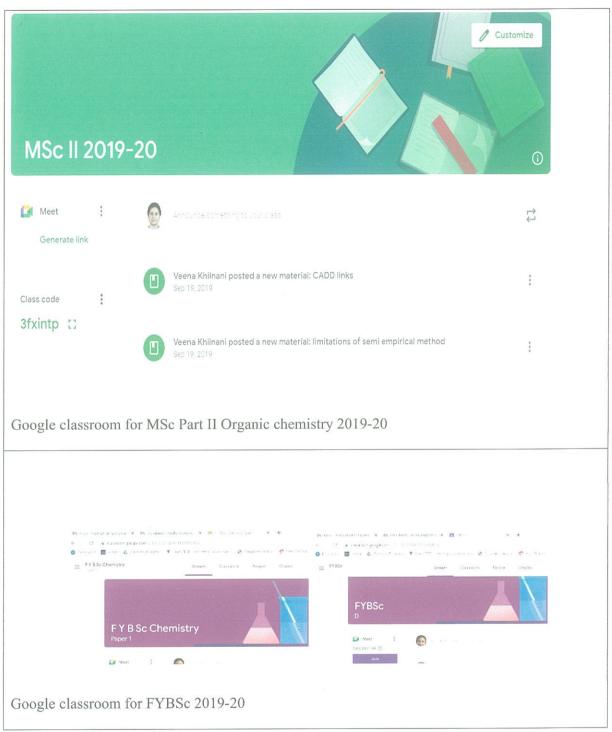


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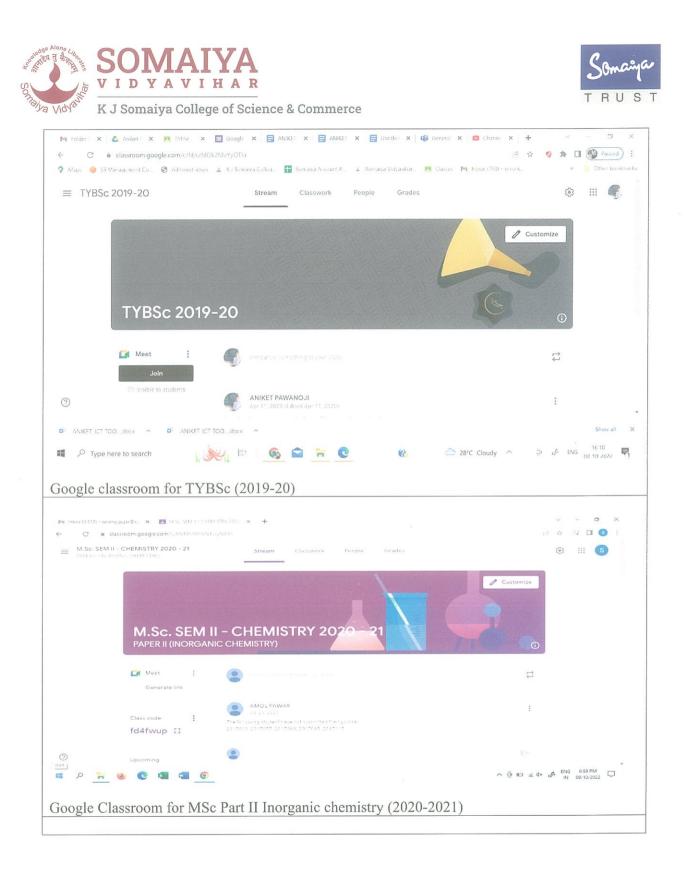










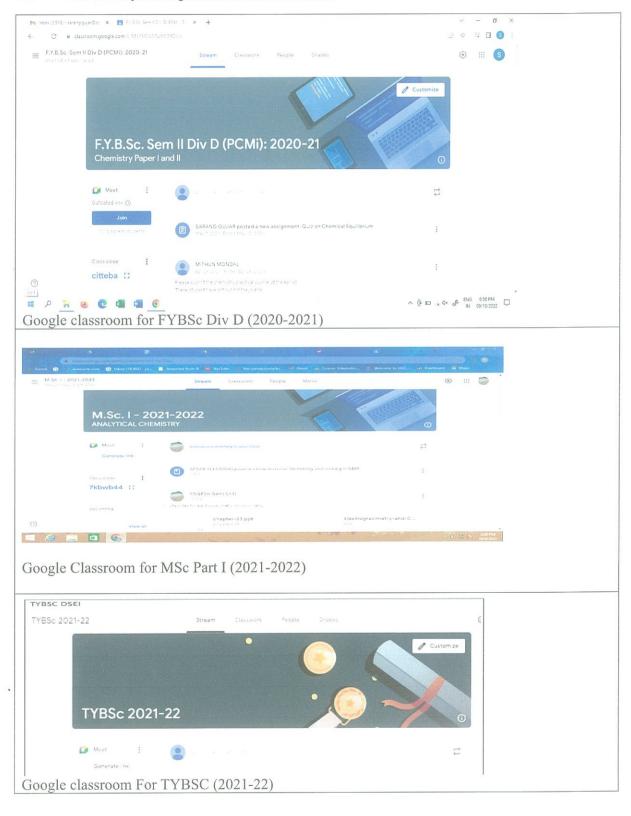


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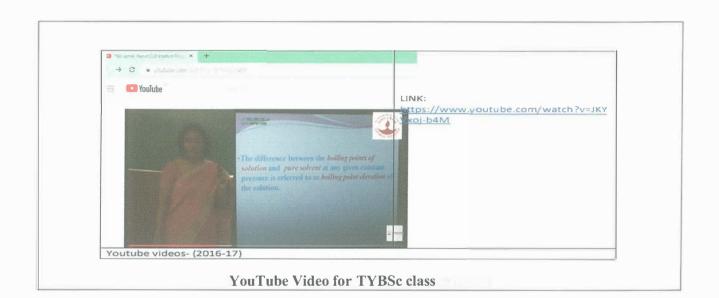






Google Classroom: It served as an online blended learning platform which is developed by Google for educational institutes with an intention of simplifying, creating, distributing and grading assignments. It facilitated storage of enormous data/files in drive associated with

classroom and enabled faster retrieval of the data. There were tools available for uploading and assessment of the Assignments. Institute has subscription at campus level to the Google Workplace.

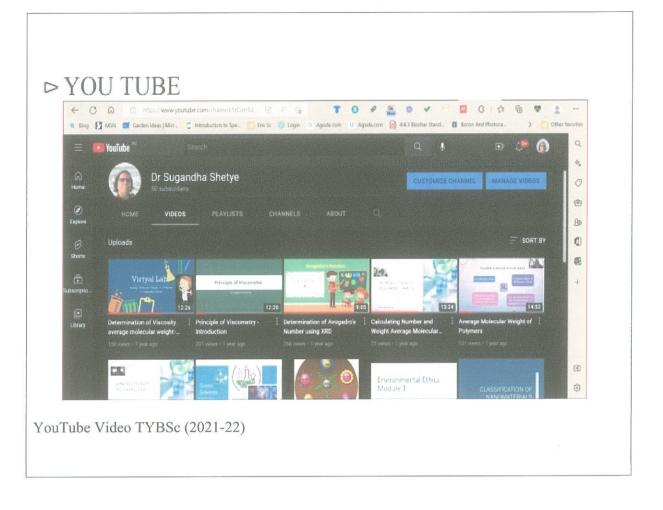












You Tube video: It is a free and easily available. Faculties from chemistry department have uploaded video on you tube which student can easily access.



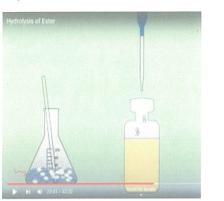






Prepared animated videos for organic chemistry experiments for online practical

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YouTube Video for FYBSc/SYBSc (2021-22)

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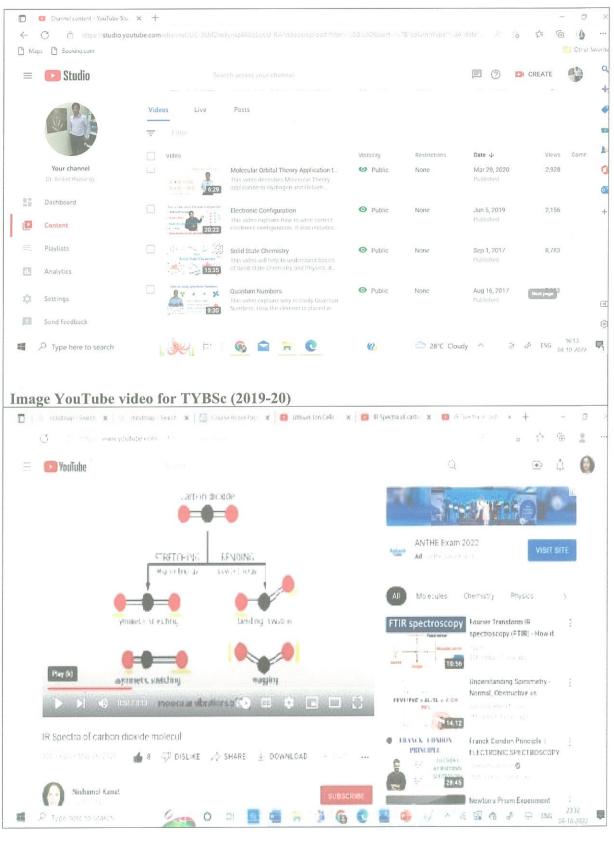
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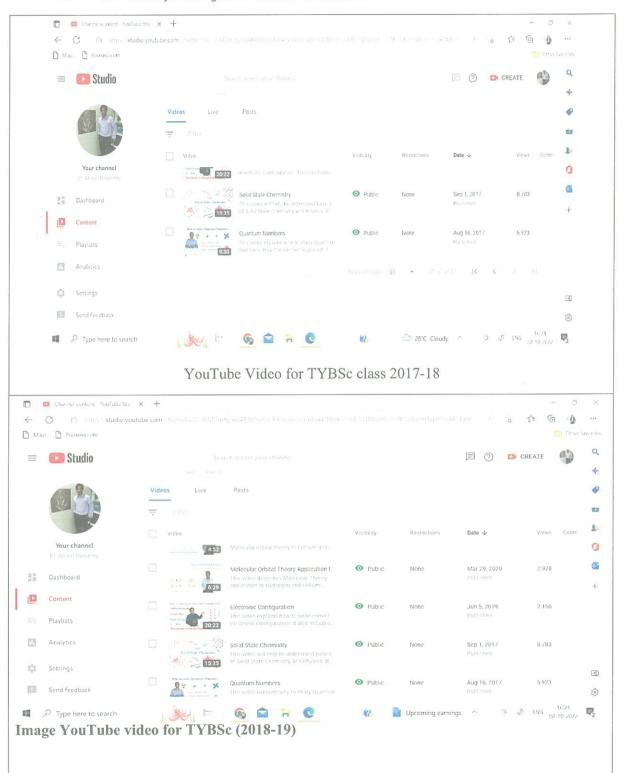


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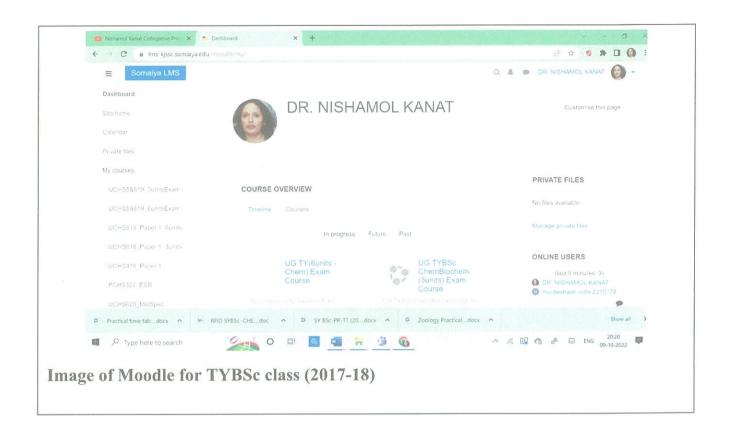










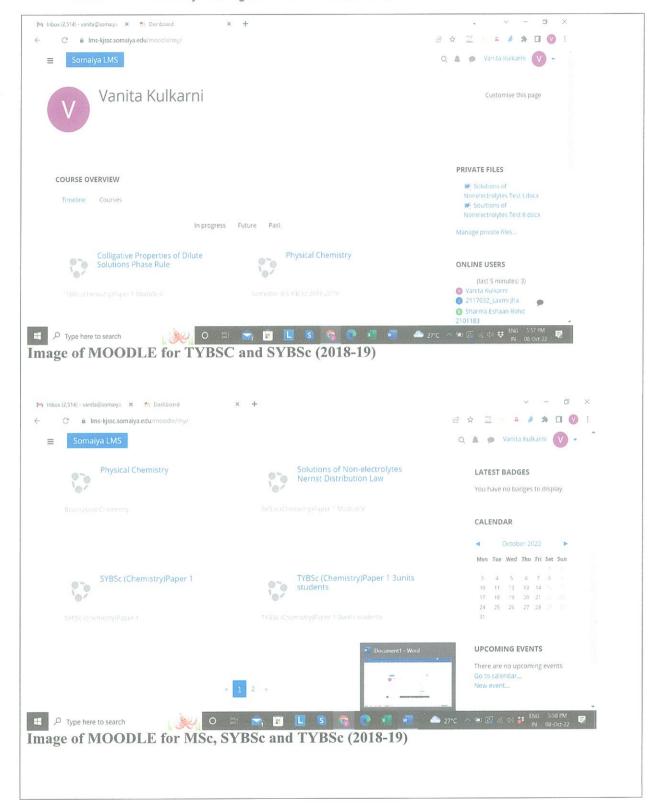


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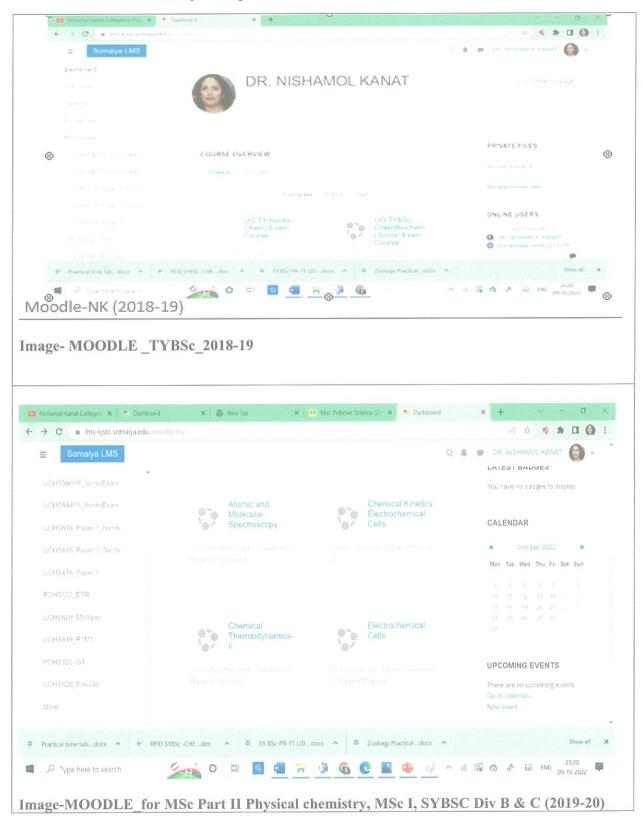


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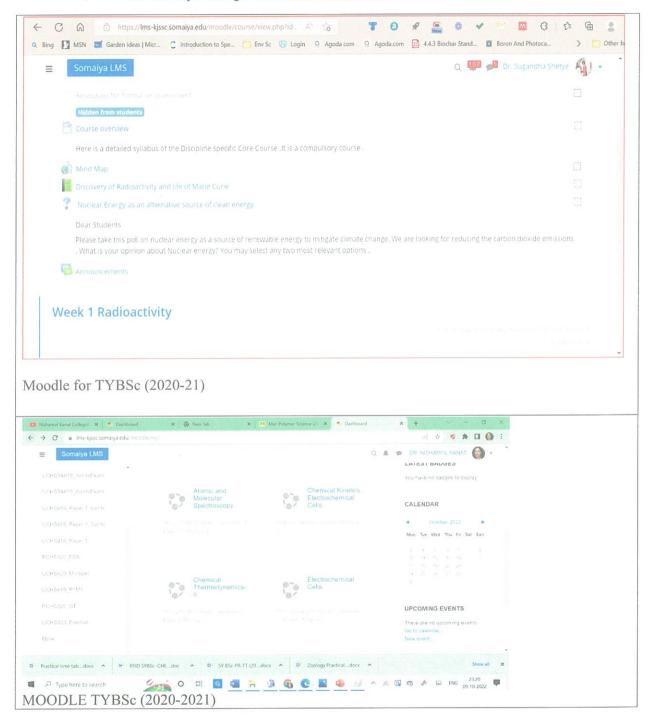












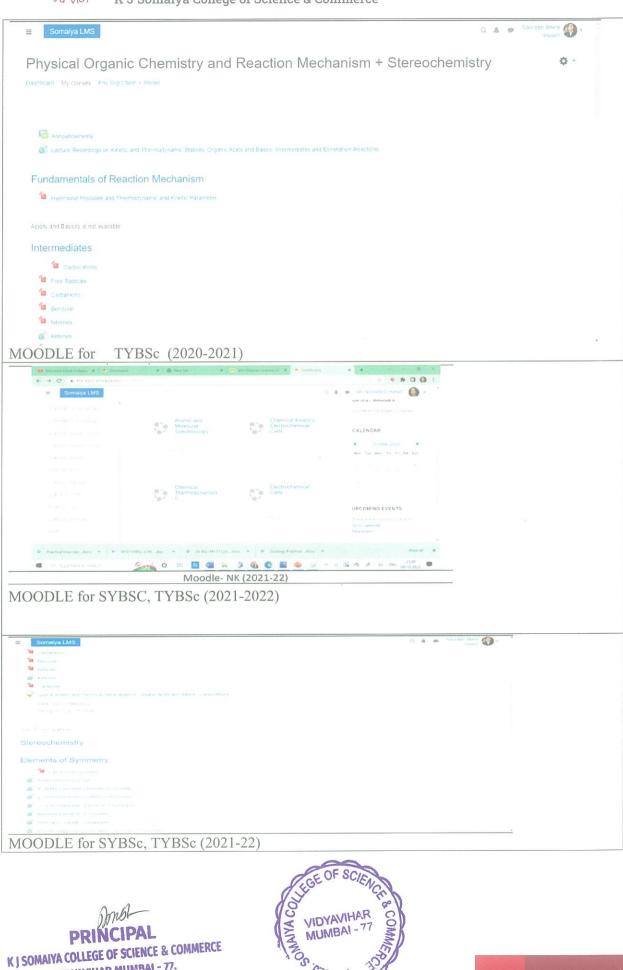






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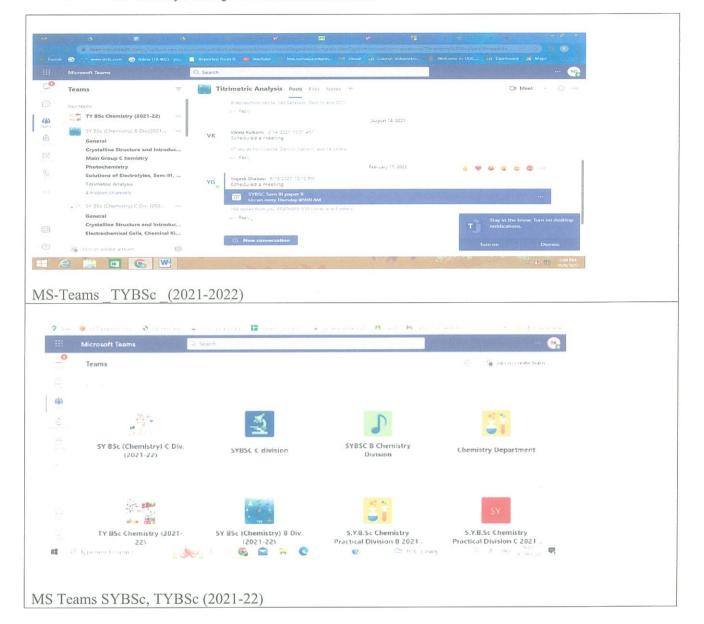
Moodle: It is a free and open-source learning management system. Teacher/instructor could customize the dashboard as per the requirement and facilitated better academic transactions. There were tools available for uploading and assessment of the Assignments.

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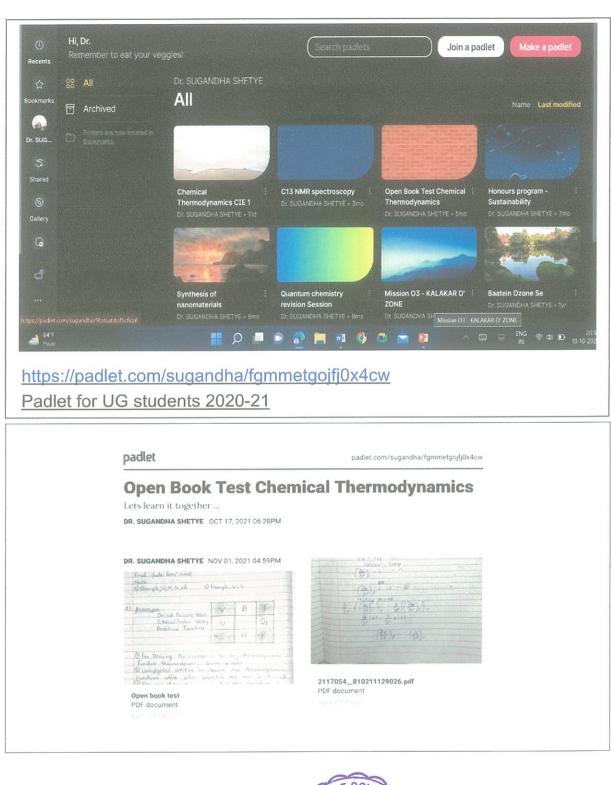
MS-Teams: It is a proprietary business communication platform developed by Microsoft. This also consisted of tools available for uploading and assessment of the Assignments.

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Padlet TYBSc (2021-22)

Padlet: It is an online blank wall board that can be used by invited participants to collaborate in collecting ideas, brainstorming and sharing information. Learners could post comments, images, videos and links on any topic in real time which could be modified later. Padlet wall could be viewed by an audience by being mirrored or projected to a screen.

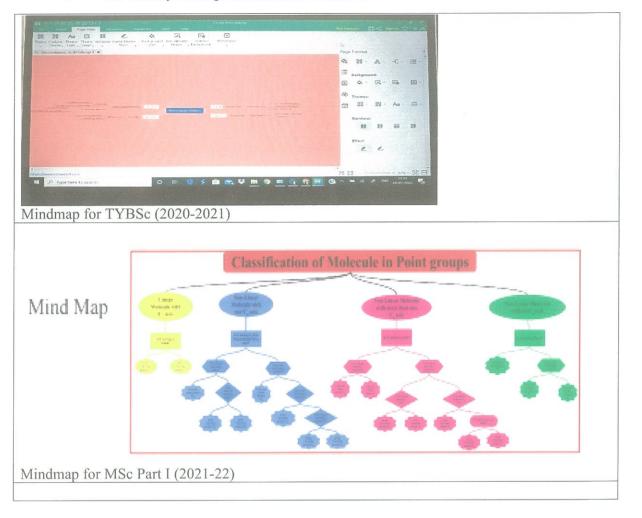
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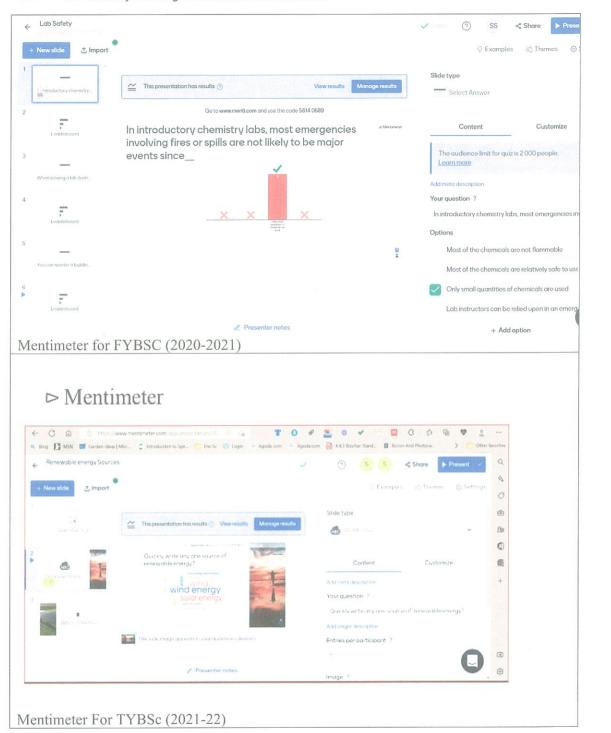
MindMap: A mind map is a diagram containing key words and pictures. It can show relation between all key words at all levels clearly and it can build the memory link from key words to pictures and colors. Elements of a mind map are arranged intuitively, according to the importance of concepts and marked by different colors and pictures.











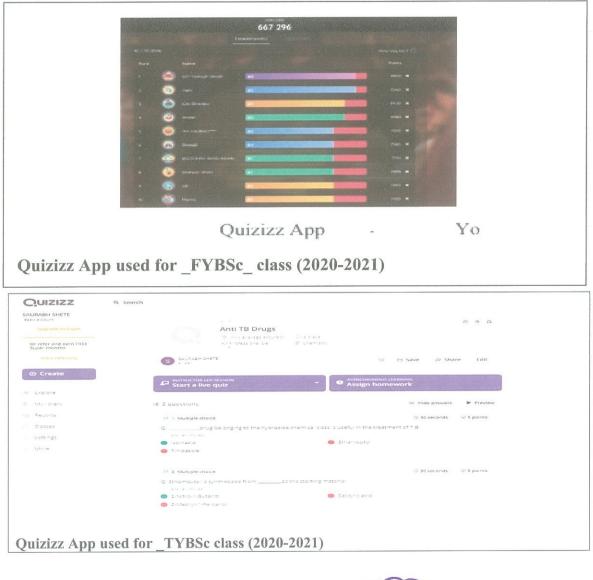
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Mentimeter: It allows to create presentations, interactive polls, quizzes











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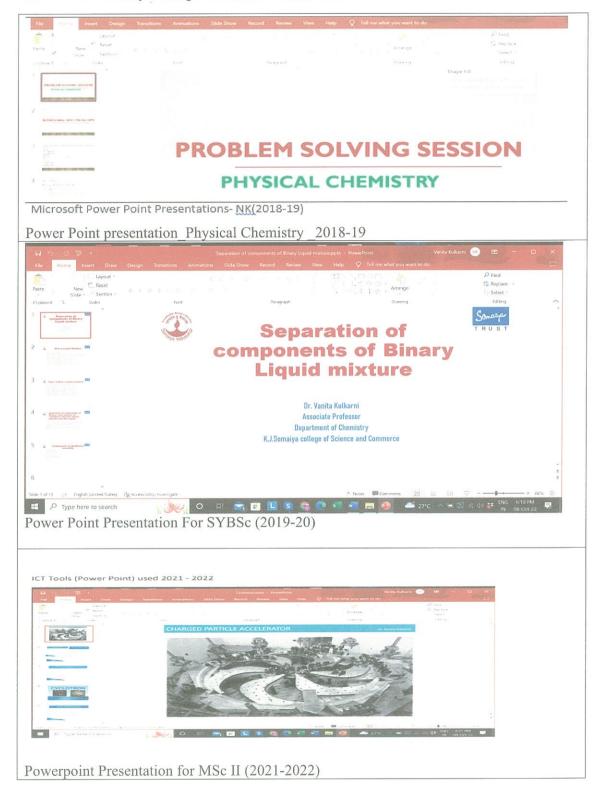
Quizizz App: It allows to create live quizzes, digital flash cards.











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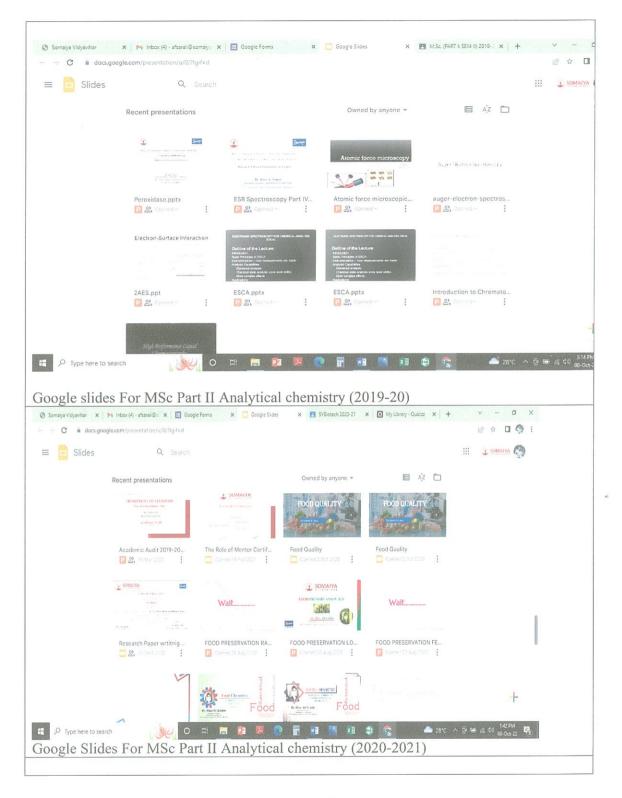
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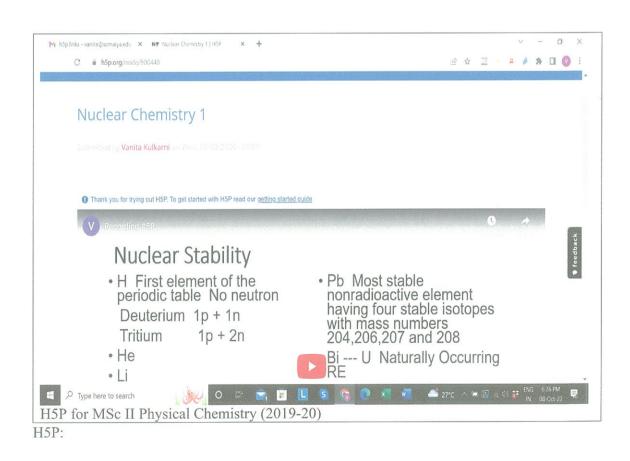




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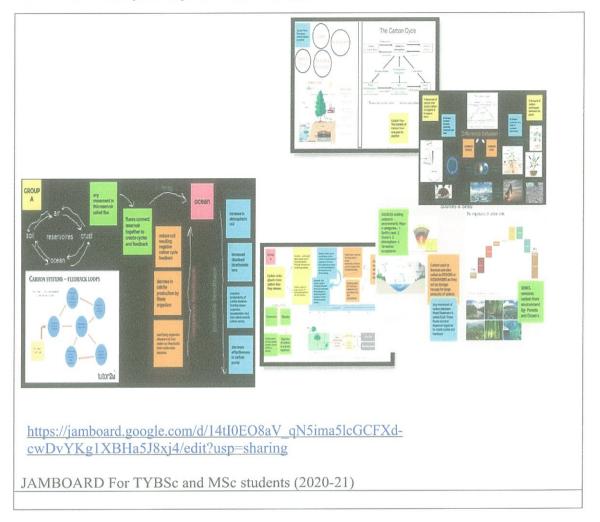
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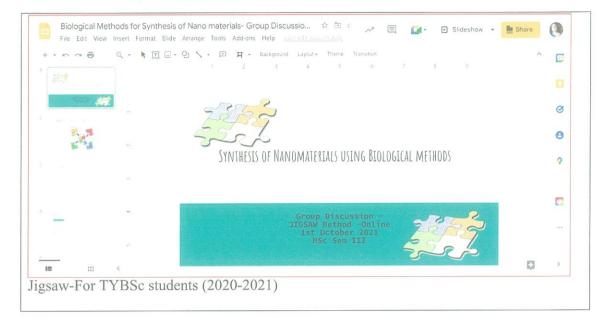
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Interactive sessions pear Deck and Quizizz:









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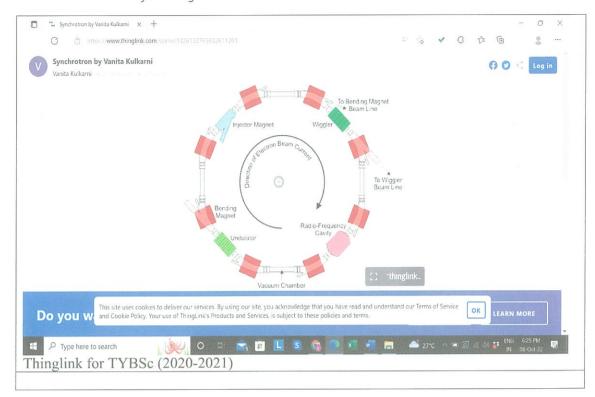








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Instructional mater	ial for Cooperative learning
Cooperative learning for MSc Part II	Organic (2021-22)

Image for Cooperative learning

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Signature: Head of the department

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Use of ICT-enabled tools for Teaching, Learning and Evaluation

2017-2022

Department of Microbiology

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Image of Google form for S. Y. B. Sc. class for CIE exam (2021-2022)

Google Form: A teacher could design a quiz/ test taking into consideration the difficulty level of the course and paste a shortened link of the course on an appropriate platform which is accessible to the learner. Institute has subscription at campus level to the Google Workplace.

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Image of Google Classroom for F. Y. B.Sc. class (2021-2022)

Google Classroom: It served as an online blended learning platform which is developed by Google for educational institutes with an intention of simplifying, creating, distributing and grading assignments. It facilitated storage of enormous data/files in drive associated with

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Image for an animated video using Renderforest for T. Y. B. Sc. Class (2021-2022)

Renderforest: It is an online tool to create stunning videos animations, presentation graphics. Animated videos are created to keep the content more comprehensive for a learner.

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Image of Moodle for T. Y. B. Sc. class (2019-2020)

Moodle: It is a free and open-source learning management system. Teacher/instructor could customize the dashboard as per the requirement and facilitated better academic transactions. There were tools available for uploading and assessment of the Assignments.

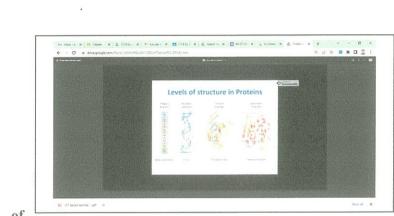






Image of Educational Blog used for S. Y. B. Sc. class (2019-2020)

Educational blog: Blogs are created for educational purposes. Supplements student and teacher learning by sharing resources, facilitating reflections and creating academic resources for enhanced cognitive levels.



screencast

Image of

video created for F. Y. B. Sc. class (2019-2020)

Screen casts: It consists of digital recording of computer screen output, also known as video screen capture often containing audio narration. In other words, screencast is a movie of the changes overtime that a user sees over a computer screen, which is enhanced with audio narration. This helped teachers to create a content explaining a process in which every step could be supported by a comprehensive audio narration.



Image



Padlet: It is an online blank wall board that can be used by invited participants to collaborate in collecting ideas, brainstorming and sharing information. Learners could post comments,









K J Somaiya College of Science & Commerce

images, videos and links on any topic in real time which could be modified later. Padlet wall could be viewed by an audience by being mirrored or projected to a screen.

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Polls-everywhere: It is an online response system offering real-time question and answer polls. Instructors could ask multiple choice questions, rank order, open ended questions, engage students through a word cloud or have students complete a survey with progress tracked on screen. It links to PowerPoint, Keynote, or Google Slides after an account is created. It is the easiest way to obtain the live responses of the audience/ students at any venue, conferences, classrooms, concerts etc.



the **MOOCs**

Image of one of completed by a student T. Y. B Sc. class

(2021 - 2022)

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Massive Open Online Course (MOOC): they are online courses offered by NPTEL on SWAYAM, Coursera and many other national and international coordinators. MOOCs enable a earner to gain knowledge and become familiar about the recent trends in a subject. MOOCs are learner-centric courses.



Image of MindMap for S. Y. B. Sc. class (2021-2022)

MindMap: A mind map is a diagram containing key words and pictures. It can show relation between all key words at all levels clearly and it can build the memory link from key words to pictures and colors. Elements of a mind map are arranged intuitively, according to the importance of concepts and marked by different colors and pictures.



Image of Testmoz for S.Y.B.Sc. and T. Y. B. Sc. classes (2018-2019)

Testmoz: It is an excellent web-tool that allow you to create auto-graded test and quizzes. Once the test is conducted it provides detailed reports so that teacher can analyze student scores and responses.











Image of Plickers for T. Y. B. Sc. class (2018-2019)

Plickers: It is a free assessment tool based on the concept of having students use response "clickers" to respond to multiple choice questions. Plickers however does away with the need for expensive "clickers".

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Image of Kahoot used for S. Y. B. Sc. class (2019-2020)

Kahoot: It is a tool for using technology to administer quizzes, discussions, or surveys. It is a game-based classroom response system played by the whole class in real time. Multiple choice system questions are projected on the screen and students answer the questions with their smart-phone, tablet or computer.











Image of Mentimeter used for F. Y. B. Sc., S. Y. B. Sc. classes (2019,2020,2021)

Mentimeter: It allows to create presentations, interactive polls, quizzes



Quizlet used for

Image of M. Sc. I class (2019-2020)

Quizlet: It allows to create live quizzes, digital flash cards.



Image for Cooperative learning strategies for T. Y. B. Sc. class (2019-2020)

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Brief description of the strategy adopted and the outcome for the same

Activity (Problem based learning): Ninad Achrekar one of student was considered as a company manager facing problem of dye contamination of the surrounding water body. Students were asked to discuss, have brainstorming session with their peers and come up withsolutions involving plasmids.



on Edmodo for

Image of classes created F. Y. B. Sc. M.Sc. I, II (2019-2020):

Edmodo: It is an educational technology offering a communication, collaboration and coaching platform to the teachers in schools and Colleges. Edmodo network enables teachers to share content, distribute quizzes, assignments and manage communication with the students, colleagues and parents.



Signature: Head of the department









Use of ICT-enabled tools for Teaching, Learning and Evaluation

2017-2022

Department of Botany

Image of Google form for S.Y.B.Sc. Sem IV class for internal exam (2020-21)

Google Form: A teacher could design a quiz/ test taking into consideration the difficulty level of the course and paste a shortened link of the course -on an appropriate platform which is accessible to the learner. Institute has subscription at campus level to the Google Workplace.

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Image of Google Classroom for T.Y.B.Sc. Botany Practical class (2021-22)

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Image of Moodle for F.Y.B.Sc. Botany Sem I class (2021-22)

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Image of MS-Teams used for M.Sc. Botany Sem III class (2021-22)

MS-Teams: It is a proprietary business communication platform developed by Microsoft. This also consisted of tools available for uploading and assessment of the Assignments.



K J SOMAIYA COLLEGE OF SCIENCE & COMMERCE VIDYAVIHAR MUMBAI - 77.







Image of Edpuzzle created for S.Y.B.Sc. Botany Sem III class (2021-22)

Edpuzzle: It consists of recorded videos embedded with questions. Students have to answer the question and then it can continue watching the video. This technique can be used for internal assessment.

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Image of Padlet created for S.Y.B.Sc. Botany Sem IV class (year)

Padlet: It is an online blank wall board that can be used by invited participants to collaborate in collecting ideas, brainstorming and sharing information. Learners could post comments, images, videos and links on any topic in real time which could be modified later. Padlet wall could be viewed by an audience by being mirrored or projected to a screen.











Image of h5P for M.Sc. Botany Sem III class (2020-21)

H5P: It is an online response system offering real-time question and answer. h5P tool has many options for interactive sessions. Different types of assessment can be conducted using h5P tools. Apart from interactive videos, h5P can also be used for creating interactive recordings, Session content, etc.



Image of MindMap for M.Sc. Botany Sem III class (2021-22)

MindMap: A mind map is a diagram containing key words and pictures. It can show relation between all key words at all levels clearly and it can build the memory link from key words to pictures and colours. Elements of a mind map are arranged intuitively, according to the importance of concepts and marked by different colours and pictures.

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Image of Testmoz for T.Y.B.Sc. Botany Sem V class (2020-21)

Testmoz: It is an excellent web-tool that allow you to create auto-graded test and quizzes. Once the test is conducted it provides detailed reports so that teacher can analyze student scores and

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Image of Mentimeter used for S.Y.B.Sc. Botany Sem IV class (2021-22)

Mentimeter: It allows to create presentations, interactive polls, quizzes

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Image for Cooperative learning strategies for S.Y.B.Sc. Botany Sem III class (2022-23)

Brief description of the strategy adopted and the outcome for the same: Introduction, History, Cultivation and Processing of Rice was taught to the S.Y.B.Sc. Botany Sem III students using Cooperative Learning Strategy by Dr Ketan Thatte. Study material was provided in small groups prior to the session. During session, Round Robin Discussion Strategy was followed.



plack

Signature: Head of the department:

Mrs. Supriya Janbandhu



PRINCIPAL K J SOMAIYA COLLEGE OF SCIENCE & COMMERCE VIDYAVIHAR MUMBAI - 77.





Use of ICT-enabled tools for Teaching, Learning and Evaluation

2017-2022

Department of Biochemistry

Image of Google Classroom for M.Sc. I class for academic year 2016-2017

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Image of Google Classroom for T.Y.B.Sc. class for academic year 2017-2018



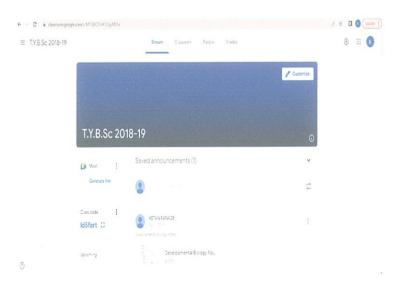






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Image of Google Classroom for T.Y.B.Sc. class for academic year 2018-2019



PR PAI K J SOMAIYA COLLEGE OF SCIENCE & COMMERCE VIDYAVIHAR MUMBAI - 77.







Image of Google Classroom for M.Sc.I class for academic year 2019-2020

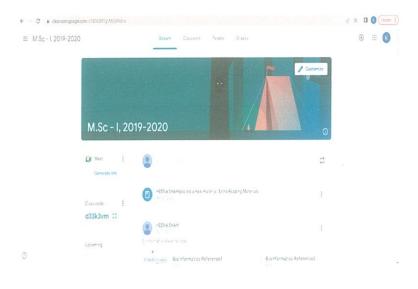










Image of Google Classroom for T.Y.B.Sc. class for academic year 2020-2021

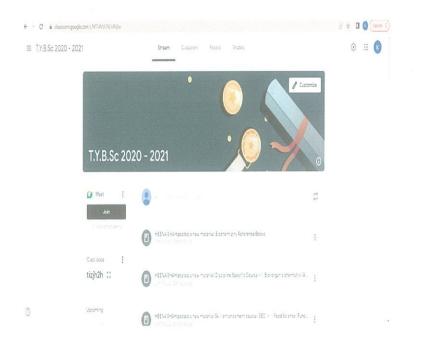


Image of Google Classroom for T.Y.B.Sc. class for academic year 2021-2022

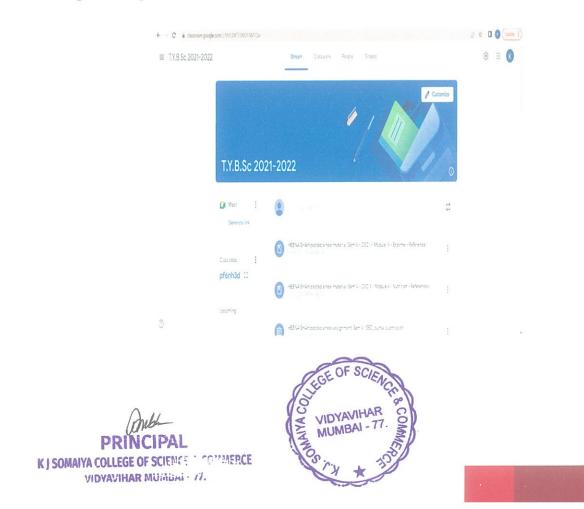






Image of Google Classroom for T.Y.B.Sc. class for academic year 2022-2023

Google Classroom: It served as an online blended learning platform which is developed by Google for educational institutes with an intention of simplifying, creating, distributing and grading assignments. It facilitated storage of enormous data/files in drive associated with classroom and enabled faster retrieval of the data. There were tools available for uploading and assessment of the Assignments. Institute has subscription at campus level to the Google Workplace.

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Dr. Samidha Mohan Pawaskar Head, Department of Biochemistry









Use of ICT-enabled tools for Teaching, Learning and Evaluation

2017-2022

Department of Geology

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Image of Google form for M.Sc. I class for exam (2019-20)

Google Form: A teacher could design a quiz/ test taking into consideration the difficulty level of the course and paste a shortened link of the course on an appropriate platform which is accessible to the learner. Institute has subscription at campus level to the Google Workplace.

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Image of Moodle for M.Sc. I class (2021-2022)

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Image of MS-Teams used for T.Y.B.Sc. class (2020-2021)

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Image of Padlet created for T.Y.B.Sc. class (2020-2021)

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Image of Polls-everywhere for T.Y.B.Sc. class (2020-2021)

Polls-everywhere: It is an online response system offering real-time question and answer polls. Instructors could ask multiple choice questions, rank order, open ended questions, engage students through a word cloud or have students complete a survey with progress tracked on screen. It links to PowerPoint, Keynote, or Google Slides after an account is created. It is the easiest way to obtain the live responses of the audience/ students at any venue, conferences, classrooms, concerts etc.

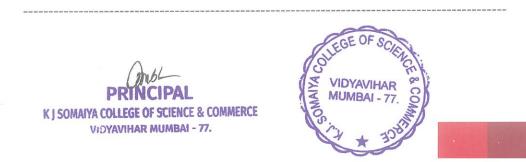








Image of MindMap for M.Sc. II class (2021-2022)

MindMap: A mind map is a diagram containing key words and pictures. It can show relation between all key words at all levels clearly and it can build the memory link from key words to pictures and colors. Elements of a mind map are arranged intuitively, according to the importance of concepts and marked by different colors and pictures.

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Image of Quizlet used for T.Y.B.Sc. class (2021-22)

Quizlet: It allows to create live quizzes, digital flash cards.

Signature: Head of the department











Use of ICT-enabled tools for Teaching, Learning and Evaluation

2017-2022

Department of Mathematics

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Image of Google form for T.Y.B.Sc. class for Practical exam (2020-21)

Google Form: A teacher could design a quiz/ test taking into consideration the difficulty level of the course and paste a shortened link of the course on an appropriate platform which is accessible to the learner. Institute has subscription at campus level to the Google Workplace.

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Image of Google Classroom for S.Y.B.Sc. class (year 2021-22)

Google Classroom: It served as an online blended learning platform which is developed by Google for educational institutes with an intention of simplifying, creating, distributing and grading assignments. It facilitated storage of enormous data/files in drive associated with

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PRINC K J SOMAIYA COLLEGE OF SCIENCE & COMMERCE VIDYAVIHAR MUMBAI - 77.







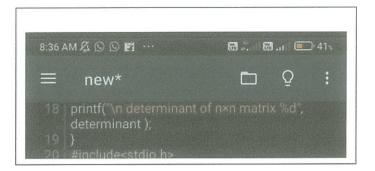


Image of Cxxdroid for T.Y.B.Sc. class (2021-22)

Cxxdroid: It is a free and open-source programming app. This app is used for running programs in C.

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Signature: Head of the department









Use of ICT-enabled tools for Teaching, Learning and Evaluation

2017-2022

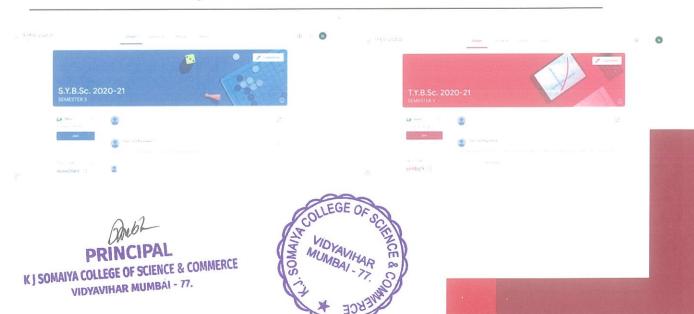
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T.Y.B.Sc. – DSE – Operations Research - Internal Test 17/8/21 (Incharge: Aarti Kore)

Image of Google form for T.Y.B.Sc. class for internal exam (20-21,21-22, 22-23)

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Namrata Nagwekar







Madhavi Jardosh

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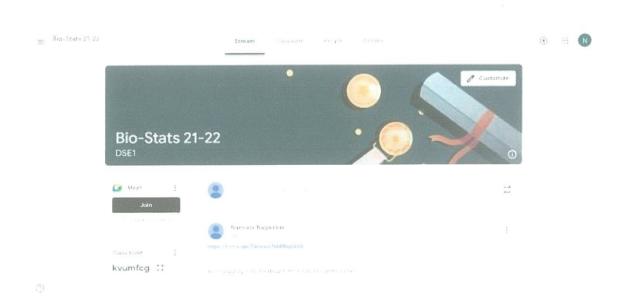






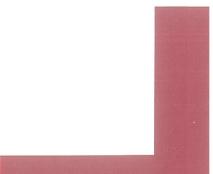
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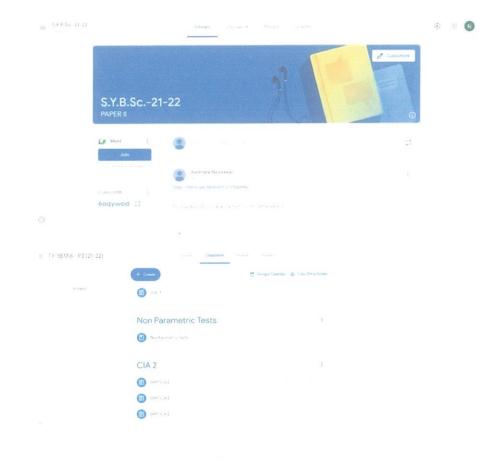












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Ashish Mhatre



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Google Classroom for T.Y.B.Sc.- Statistics – sem VI- Paper III – Stochastic Processes

Image of Google Classroom for T.Y.B.Sc. and S.Y.B.Sc. class (20-21, 21-22)

Google Classroom: It served as an online blended learning platform which is developed by Google for educational institutes with an intention of simplifying, creating, distributing and grading assignments. It facilitated storage of enormous data/files in drive associated with classroom and enabled faster retrieval of the data. There were tools available foruploading and assessment of









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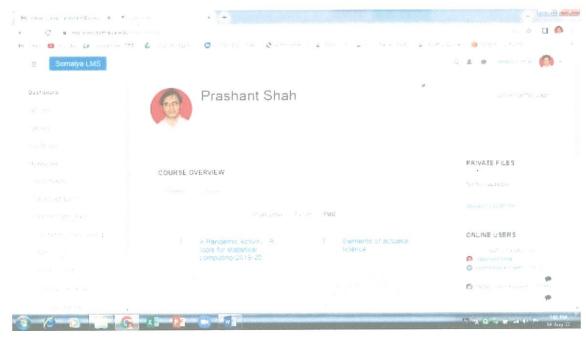






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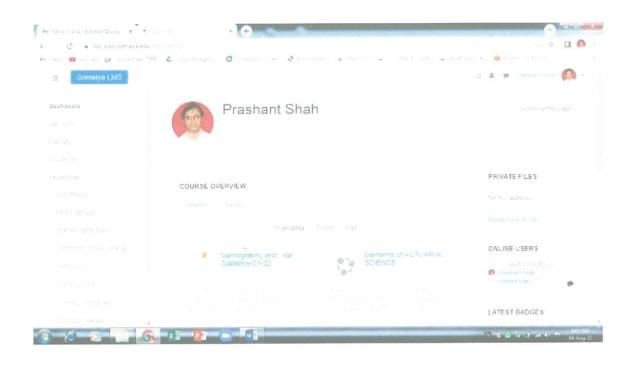








K J Somaiya College of Science & Commerce



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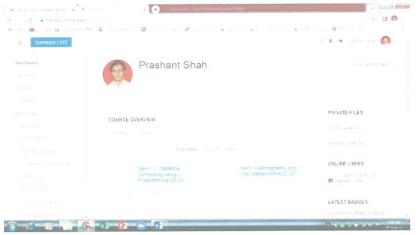




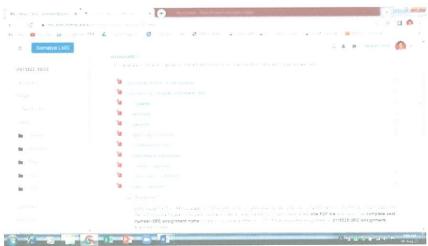


K J-Somaiya College of Science & Commerce

MOODLE – LMS (2021-22)















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Moodle for Sem III – Paper III – Operations Research 1

Image of Moodle for S.Y.B.Sc., T.Y.B.Sc. class (22-23)

Moodle: It is a free and open-source learning management system.







K J Somaiya College of Science & Commerce

Teacher/instructor could customize the dashboard as per the requirement and facilitated better academic transactions. There were tools available for uploading and assessment of the Assignments.

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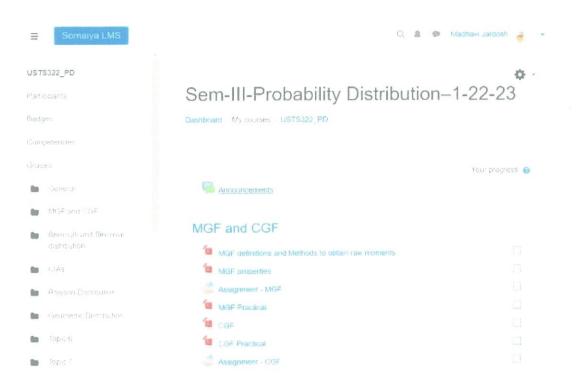








Moodle for Sem 3- Paper III - Operations Research - I



Madhavi Jardosh

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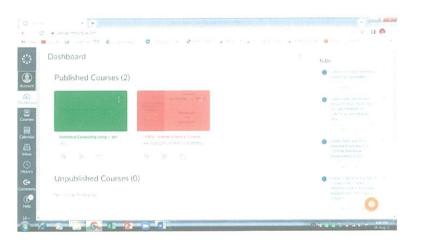






Prashant Shah

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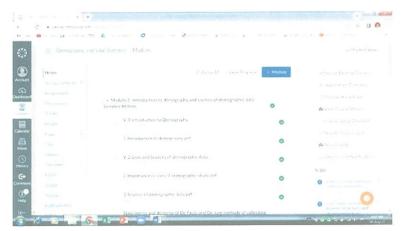


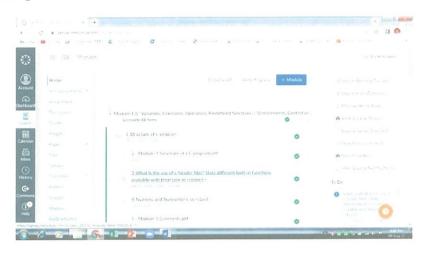








Image of Canvas used for T.Y.B.Sc. class (2020-21)



Signature: Head of the department: Mr. Prashant Shah

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Use of ICT-enabled tools for Teaching, Learning and Evaluation

2017-2022

Department Of Physics



Image of Google Classroom for T.Y.B.Sc. Sem VI (Applied Physics) class (2017-18)



Image of Google Classroom for T.Y.B.Sc. Sem V (Physics II) class (2018-19)

Google Classroom: It served as an online blended learning platform which is developed by Google for educational institutes with an intention of simplifying, creating, distributing and grading assignments. It facilitated storage of enormous data/files in drive associated with

classroom and enabled faster retrieval of the data. There were tools available for uploading and assessment of the Assignments. Institute has subscription at campus level to the Google Workplace.











Image of Google form for M.Sc. sem III paper IV for Internal exam (2019-20)

Google Form:

A teacher could design a quiz/ test taking into consideration the difficulty level of the course and paste a shortened link of the course on an appropriate platform which is accessible to the learner. Institute has subscription at campus level to the Google Workplace.









Image of screencasts created for S.Y.B.Sc. Sem IV Paper I class (2020-21)

Screen casts: It consists of digital recording of computer screen output, also known as video screen capture often containing audio narration. In other words, screencast is a movie of the changes overtime that a user sees over a computer screen, which is enhanced with audio narration. This helped teachers to create a content explaining a process in which every step could be supported by a comprehensive audio narration.











Image of MS teams Poll & Polly for S.Y.B.Sc. sem I Physics – I class (2020-21)

Ms Teams : It is an online response system offering real-time question and answer polls. Instructors could ask multiple choice questions, rank order, open ended questions, engage students through a word cloud or have students complete a survey with progress tracked on screen. It links to PowerPoint, Keynote, or Google Slides after an account is created. It is the easiest way to obtain the live responses of the audience/ students at any venue, conferences, classrooms, concerts etc.

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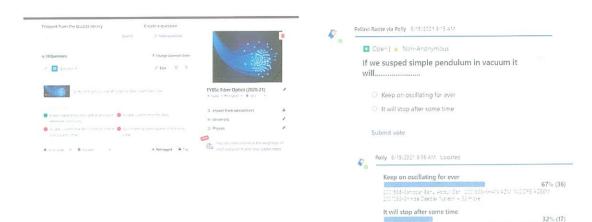


Image of Quizzes used for F.Y.B.Sc. Physics - I class (2020-21)

Quizzes It allows to create live quizzes in interactive way

Image of Kahoot used for T.Y.B.Sc. Sem VI DSE- II class (2021-22)

Kahoot: It is a tool for using technology to administer quizzes, discussions, or surveys. It is a game-based classroom response system played by the whole class in real time. Multiple choice system questions are projected on the screen and students answer the questions with their smartphone, tablet or computer.







Image of Tinkercad used for T.Y.B.Sc. class (Practical) (2021-22)

Tinkercad: This is a free web app for 3D design, electronics, and coding. It allows to build the real circuit on breadboard and simulate it to observe results. It's useful to give feeling of real world practical situations. Used by teachers to demonstrate the working of circuit during practical and theory as well as assign to students to perform few of the practical during pandemic situation.

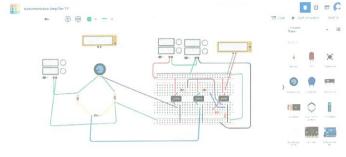


Image of MS Teams form for S.Y.B.Sc. sem III paper I for Internal evaluation (2012-23)

MS Teams Forms: A teacher could design a quiz/ test taking into consideration the difficulty level of the course and paste a shortened link of the course on an appropriate platform which is accessible to the learner. Institute has subscription at campus level to the MS teams.

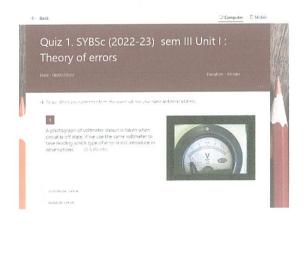










Image of Edpuzzle used for M.Sc. Sem III class (2021-23)

Edpuzzle :

Edpuzzle is an all-in-one video learning platform for student engagement. Easily create interactive video lessons for your students that can integrate right into your LMS. Get real-time data on who watched the video and how many questions they answered correctly.

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Image of Multisim Simulator Used for T.Y.B.Sc. and M.Sc. (2019-20 and 2020-21)

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Multisim Live is an interactive circuit simulator which allows one to create and test a circuit. It is an extremely useful tool to illustrate concepts to students. One can share these simulations without installing any software applications.

Dr. Deepak More Head of the department









Use of ICT-enabled tools for Teaching, Learning and Evaluation

2017-2022

Department of Zoology

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Image of Google form for T.Y.B.Sc. class for DSCII Internal exam (21-22)

Google Form: A teacher could design a quiz/ test taking into consideration the difficulty level of the course and paste a shortened link of the course on an appropriate platform which is accessible to the learner. Institute has subscription at campus level to the Google Workplace.



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Image of Google Classroom for F.Y.B.Sc. Sem 1 (2021-22)











Image of Google Classroom for T.Y.B.Sc. Zoology (2020-21)

Google Classroom: It served as an online blended learning platform which is developed by Google for educational institutes with an intention of simplifying, creating, distributing and grading assignments. It facilitated storage of enormous data/files in drive associated with

classroom and enabled faster retrieval of the data. There were tools available for uploading and assessment of the Assignments. Institute has subscription at campus level to the Google Workplace.

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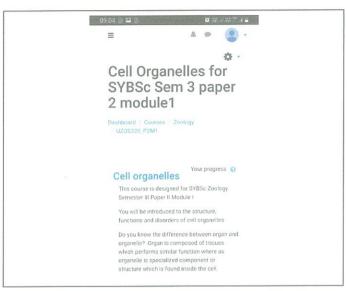


Image of Moodle for S.Y.B.Sc. Zoology Sem 3 class (2021-22)

Moodle: It is a free and open-source learning management system. Teacher/instructor could customize the dashboard as per the requirement and facilitated better academic transactions. There were tools available for uploading and assessment of the Assignments.

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MS-Teams used

Image of for S.Y.B.Sc. Sem 3 class (21-22)

MS-Teams: It is a proprietary business communication platform developed by Microsoft. This also consisted of tools available for uploading and assessment of the Assignments.







Image of Jam Board created for T.Y.B.Sc. class (2020-21)

Jam Board: Jam board is a digital interactive whiteboard developed by Google to work with Google Workspace, formerly known as G Suite. It was officially announced on 25 October 2016. It has a 55" 4K touchscreen display and can be used for online collaboration using Google Workspace. *Jamboard is a cloud-based app that enables visual collaboration between users in real-time. So students can simultaneously share their views on a topic and have a discussion.*

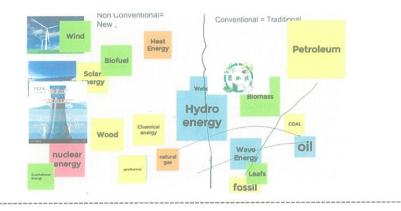


Image of Quizziz for F.Y.B.Sc. (2021-22)

Quizziz: Quizizz is an Indian educational software company headquartered in Bengaluru, India, that creates and sells a gamified student engagement platform. The software is used in class, group assignments, pre-test review, formative assessments and pop quizzes. It is the easy and fun way to quickly gauge the level of grasping of the audience/ students.

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Image of MindMap for M.Sc. I class (22-23)

MindMap: A mind map is a diagram containing key words and pictures. It can show relation between all key words at all levels clearly and it can build the memory link from key words to pictures and colors. Elements of a mind map are arranged intuitively, according to the importance of concepts and marked by different colors and pictures.

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Image for Cooperative learning strategies for M.Sc II class (21-22)

Brief description of the strategy adopted and the outcome for the same: Round robin strategy of co-operative learning is employed extensively to make group study fun and to increase class cooperation and team work. A topic is broken into parts and each is given to a group. Then one member from theeach group moves to the next, in this manner all the parts are completed.





Dr. Vikrant Deshmukh



Signature: Head of the department

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The Department of Business Law uses ICT aids namely Mind master and Power Point Presentations to engage lectures and Google classrooms for posting materials and to conduct internal tests



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Classification of Bailment

On the basis of reward

1. Gratuitous

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2. Non- Gratuitous

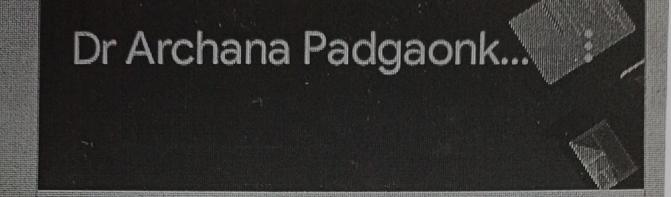
There is consideration A gives his car to B on hire

On the basis of benefit

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- 2. For the benefit of the Bailee
- 3. For the benefit of both the Bailor & the Bailee

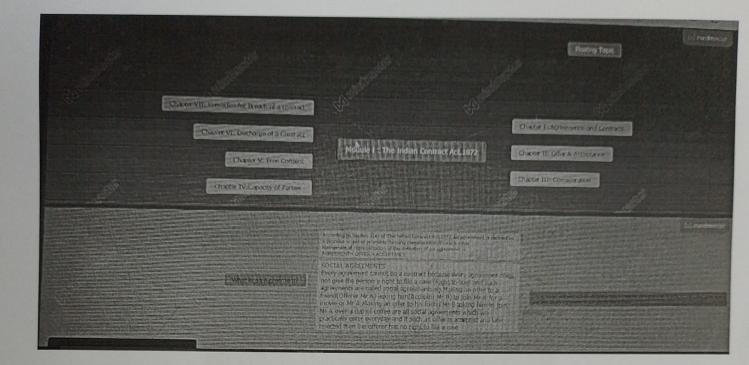


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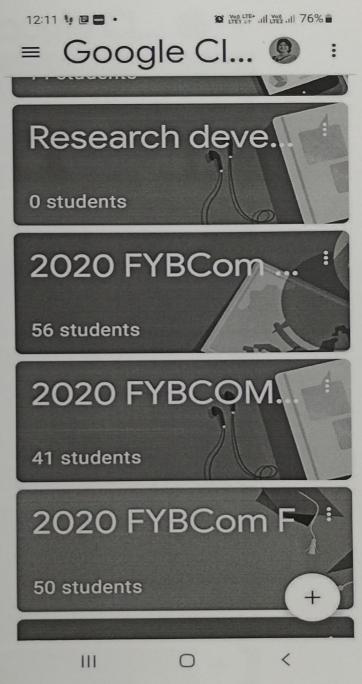


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ICT TOOLS USED BY BUSINESS COMMUNICATION DEPARTMENT





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ICT TOOLS USED BY BUSINESS CIMMUNICATION DEPARTMENT

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sem II	internal test	
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questions sem 2 Posted 22 Feb



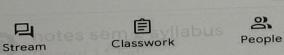
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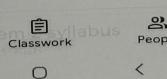
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