

2.3.2 Teachers use ICT enabled tools for effective teaching- learning process.

Write description in maximum of 200 words

Teachers leverage Information and Communication Technology (ICT) tools to enhance the teaching-learning process, making it more interactive, engaging, and effective. These tools include digital platforms, multimedia resources, online assessments, and learning management systems, Google Classroom/forms at drive . By integrating ICT, teachers can present complex concepts visually through videos, animations, and simulations, which aids in better understanding and retention of information.

Moreover, ICT facilitates collaboration and communication beyond the traditional classroom. Online forums, discussion boards, and virtual classrooms enable students to engage in group work and discussions, fostering a collaborative learning environment. For teachers, ICT tools simplify lesson planning, resource sharing, and administrative tasks, allowing more time to focus on instruction.

The use of ICT not only motivates students by making learning more enjoyable but also prepares them for a technology-driven world. Thus, integrating ICT in education enriches the overall teaching-learning experience, making it more dynamic, efficient, and student-centered.

The following shows various ICT Tools used for Teaching Learning Process:



Case Study Presentations

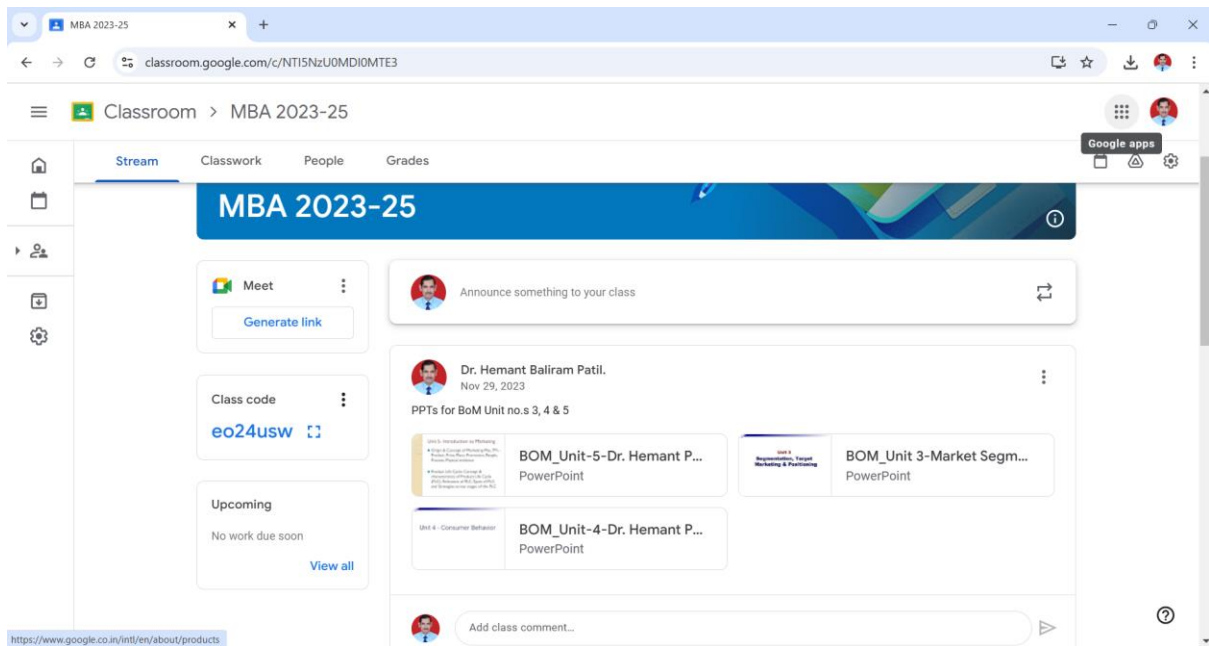


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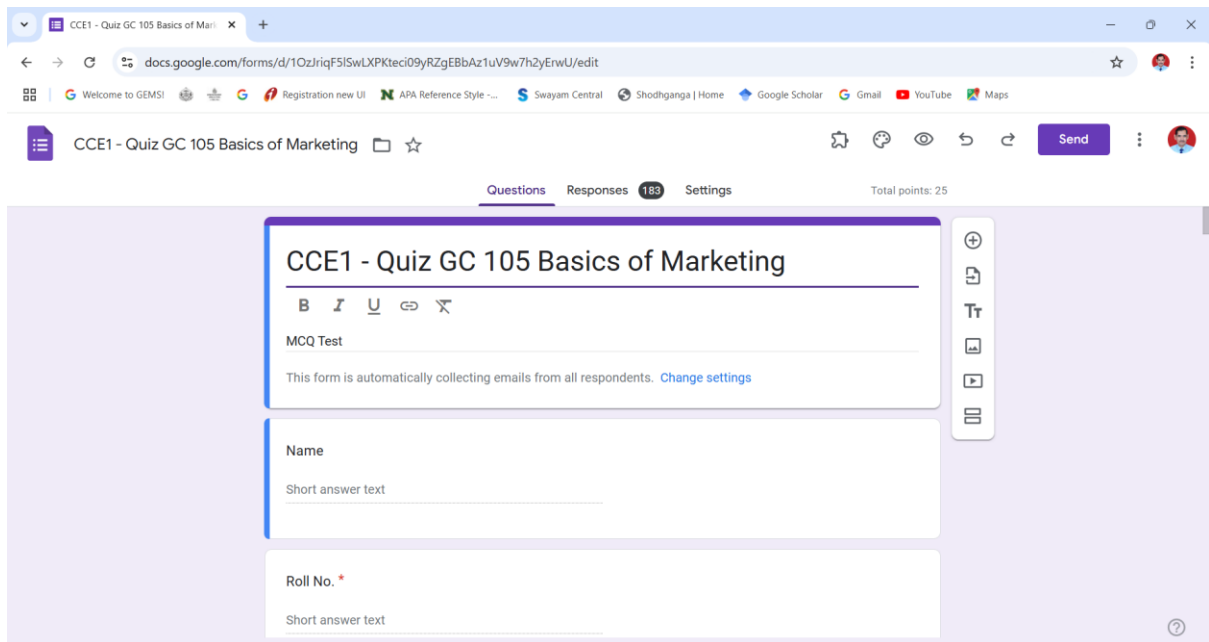


Session was conducted in Lab, institute have created separate slot for both Division





Learning Material at Google Classroom



Online Quiz using Google Forms

Classroom Teaching using Projector:



Faculty is delivering lecture using ICT Tools

Programiz Online Editors:

```
Main.java
17   for(i=0; i<n; i++)
18   {
19
20       // inner loop to handle number of columns
21       // values changing acc. to outer loop
22       for(j=0; j<=i; j++)
23       {
24           // printing stars
25           System.out.print("* ");
26       }
27
28       // ending line after each row
29       System.out.println();
30   }
31
32
33   // Driver Function
34   public static void main(String args[])
35   {
36       int n = 5;
37       printStars(n);
38   }
39 }
```

Output

```
java -cp /tmp/bH4uudjaDS/GeeksForGeeks
*
**
***
****
*****

=== Code Execution Successful ===
```

Screenshot of Online editor for JAVA Programming

Institute Wi-Fi Connection is used by Students:



Students solving the assignment test using College ICT facilities

Assignment Submission on Moodle LMS:

Select	User picture	First name / Surname	Email address	Status	Grade	Edit	Last modified (submission)
<input type="checkbox"/>		ABHISHEK PAIKRAO	ABHISHEK.PAIKRAO.mca23@mespune.in	Submitted for grading	Grade / 20.00	Edit	Thursday, 21 September 2023, 12:43 AM
<input type="checkbox"/>		AKSHAY PANDEY	AKSHAY.PANDEY.mca23@mespune.in	Submitted for grading	Grade / 20.00	Edit	Thursday, 7 September 2023, 1:38 PM
<input type="checkbox"/>		AAYUSH PARDESHI	AAYUSH.PARDESHI.mca23@mespune.in	Submitted for grading	Grade / 20.00	Edit	Thursday, 26 October 2023, 10:51 PM
<input type="checkbox"/>		ATIFKHA PATHAN	ATIFKHA.PATHAN.mca23@mespune.in	Submitted for grading	Grade / 20.00	Edit	Sunday, 10 September 2023, 8:41 PM

Screenshot of student practical assignment submission

Test conducting on Data Structure using LMS:

Data Structure and Algorithms

Dashboard / Courses / MCA 2023-2025 Batch / SEM I / DSA / MCQ on Linked List, Stack and Queue / Click here to attempt quiz / Results / Grades

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Attempts that are
 In progress Overdue Finished Never submitted

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 that have been regraded / are marked as needing regrading

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Page size

Marks for each question

Only one attempt per user allowed on this quiz.

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First name

Surname

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<input type="checkbox"/>	First name / Surname	Email address	State	Started on	Completed	Time taken	Grade/10.00	Q-1 /1.00	Q-2 /1.00	Q-3 /1.00
<input type="checkbox"/>	AMEY JOSHI Review attempt	AMEY.JOSHI.mca23@mespune.in	Finished	13 September 2023 4:14 PM	13 September 2023 4:26 PM	11 mins 41 secs	2.00	<input checked="" type="checkbox"/> 1.00	<input checked="" type="checkbox"/> 1.00	<input checked="" type="checkbox"/> 1.00
<input type="checkbox"/>	BHAVIKA ZOPE Review attempt	BHAVIKA.ZOPE.mca23@mespune.in	Finished	13 September 2023 4:14 PM	13 September 2023 4:24 PM	10 mins 19 secs	2.00	<input checked="" type="checkbox"/> 1.00	<input checked="" type="checkbox"/> 1.00	<input checked="" type="checkbox"/> 1.00
<input type="checkbox"/>	VED.MOHITE Review attempt	VED.MOHITE.mca23@mespune.in	Finished	13 September 2023 4:14 PM	13 September 2023 4:21 PM	7 mins 13 secs	3.00	<input checked="" type="checkbox"/> 1.00	<input checked="" type="checkbox"/> 1.00	<input checked="" type="checkbox"/> 1.00

screenshot of test submitted by Students on Moodle

Dr. Venugopal Narsingoju
 Coordinator