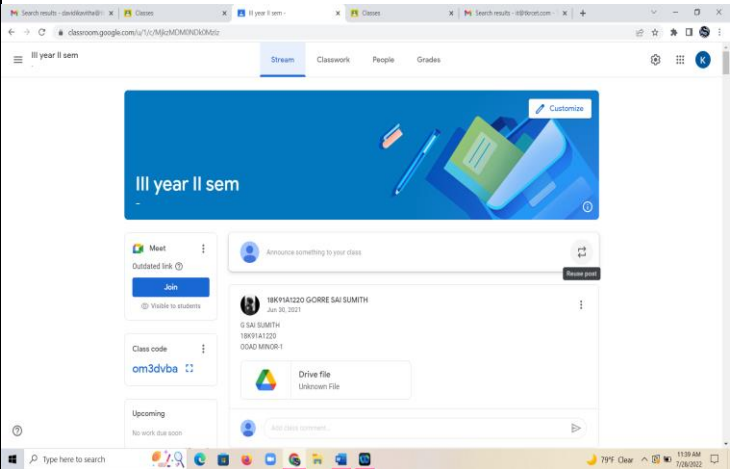


### Innovations by the Faculty in Teaching and Learning

S.No.	Innovations by the Faculty in Teaching and Learning
1.	Virtual Teaching - Learning Management System (LMS) Google Class Room
2.	Teaching through Technology (Mind Map Tool)
3.	Teaching through Collaboration (Group discussions, Group Projects)
4.	Department Digital Library
5.	Teaching through Role Play
6.	Student Seminars
7.	Project Based Learning
8.	Learning with Course Certifications (NPTEL, Coursera, Solo Learn, Spoken Tutorial, &Udemy, EdX)



## 1. Virtual Teaching - Learning Management System (LMS) Google Class Room:

Type of Innovation in Teaching & Learning Method	The Objective of the Innovation	Significance Results Observed	Template
Teaching through Google class Room	Bringing technology into the classroom allows learners to experiment with innovative methods of teaching.	Creating a google classroom using google app. Students are made to join as members of the google class room. Notes materials, Assignments, Quiz questions are posted in the app. Students can participate in the quiz by registering through app sign in and evaluation will be done.	 <p>The screenshot shows the Google Classroom web interface. At the top, there's a navigation bar with 'Stream', 'Classwork', 'People', and 'Grades'. The main content area is titled 'III year II sem'. It features a 'Meet' section with a 'Join' button and a 'Class code' of 'om3dvba'. Below this, there's a 'Drive file' section with a link to 'Unknown File'. The interface is clean and modern, with a blue header and white background.</p>




## 2. Teaching through Technology (Mind Map Tool):

Type of Innovation in Teaching & Learning Method	The Objective of the Innovation	Significance Results Observed	Template
Teaching through Technology (Mind Map Tool)	For better understanding and learning of concepts, new technology provides various tools.	Students can understand the concepts as well as get knowledge of how to use online tools.	



### 3. Teaching through Collaboration:

Type of Innovation in Teaching & Learning Method	The Objective of the Innovation	Significance Results Observed	Template
Group Discussions	<p>To develop skills in interpersonal communication and in expressing views in a clear and concise manner</p> <p>Idea: To make students develop communication skills</p> <p>Implementation: Select topic Students are divided into groups.</p> <p>Each group is assigned a name based on topic selected.</p> <p>Students are asked to give their views on the concept</p>	Bringing out the creative thoughts of students.	




#### 4. Department Digital Library:

Type of Innovation In Teaching	The Objective of the Innovation	Significance Results Observed	Template	
Department Digital Library	The Digital Library is very helpful for Faculty and Students to access E-Learning	The students were very much involved in self-learning through the facilities available in the Learning resource centres such as National Programme on Technology Enhanced Learning (NPTEL) Video Lectures, E-journals, DELNET, NLIST, INFLIBNET, NDL.	1	<a href="http://www.nptel.in">http://www.nptel.in</a>
			2	IEEE <a href="https://ieeexplore.ieee.org/Xplre/home.jsp">https://ieeexplore.ieee.org/Xplre/home.jsp</a>
			3	DELNET <a href="http://delnet.nic.in/">http://delnet.nic.in/</a>
			4	<a href="https://nlist.inflibnet.ac.in">https://nlist.inflibnet.ac.in</a>
			5	NDL <a href="https://ndl.iitkgp.ac.in/">https://ndl.iitkgp.ac.in/</a>

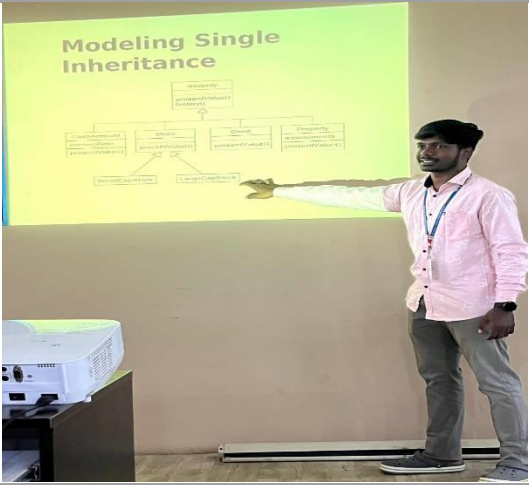
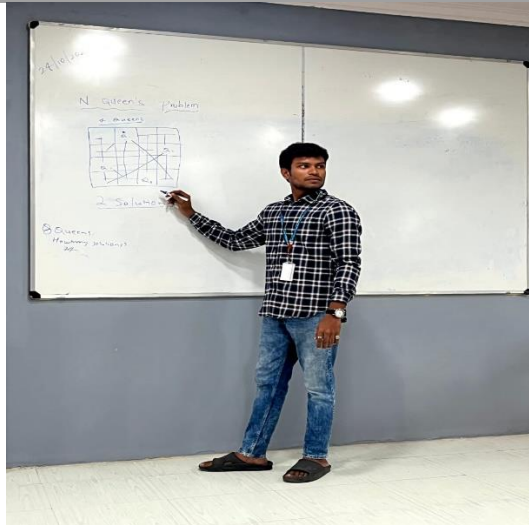


## 5. Teaching through Role Play:

Type of Innovation in Teaching & Learning Method	The Objective of the Innovation	Significance Results Observed	Template
Teaching through Role Play	<p>The results reveal that participants are more enthusiastic to engage in class activities. They also develop social and communication skills through group activities associated with the teaching of ADDIE. Role play can be a very useful strategy to teach concepts.</p>	<p>Gives students ownership over the learning process</p> <ul style="list-style-type: none"> <li>• Increases student motivation to learn</li> <li>• Allows students to develop useful skills in self and peer-assessment</li> </ul>	

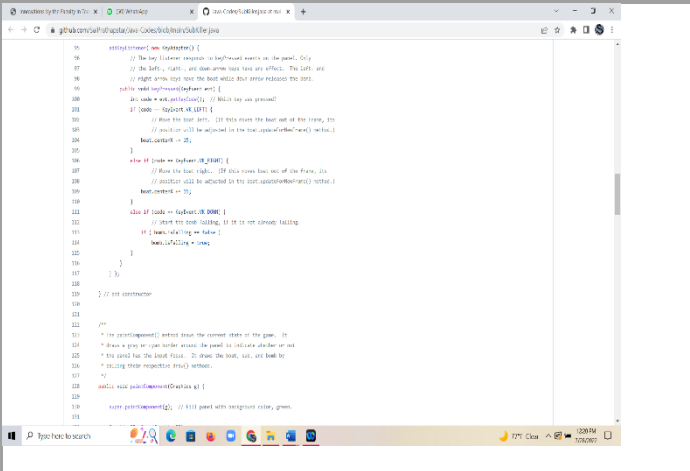


## 6. Student Seminars:

Type of Innovation in Teaching & Learning Method	The Objective of the Innovation	Significance Results Observed	Template
Student Seminars	<p>In many subjects, students deliver Seminars to the rest of their classmates. This significantly boosts students' confidence and their learning experience.</p> <p>Idea: To make students develop communication skills and reduce the stage fear in them.</p> <p>Implementation: Select Topic.</p> <p>Each student is assigned a topic, Students are asked to give a brief explanation on the Topic.</p>	Bringing out the communication skills of students	 



## 7. Project based learning:

<p><b>Type of Innovation in Teaching &amp; Learning Method</b></p>	<p><b>The Objective of theInnovation</b></p>	<p><b>Significance Results Observed</b></p>	<p><b>Template</b></p>
<p><b>Project Based Learning</b></p>	<p><b>Improve the Methodology to Integrate knowledge and skills</b></p>	<p><b>The students were very involved and learned how to develop a Game.</b></p>	



## 8. Learning with Course Certifications:

Type of Innovation in Teaching & Learning Method	The Objective of the Innovation	Significance Results Observed	Template
Learning with Course Certifications	Students follow the course with help of video lectures and are being tested with help of quizzes at the end of all chapters in the course and at the end certificates are earned by them on successfully completing the course.	It gives students confidence that they have learned and passed their test. This experience gives exposure to ideas and approaches outside their comfort zone. In addition, they are being able to think outside their experience which is an ingredient of leadership.	