
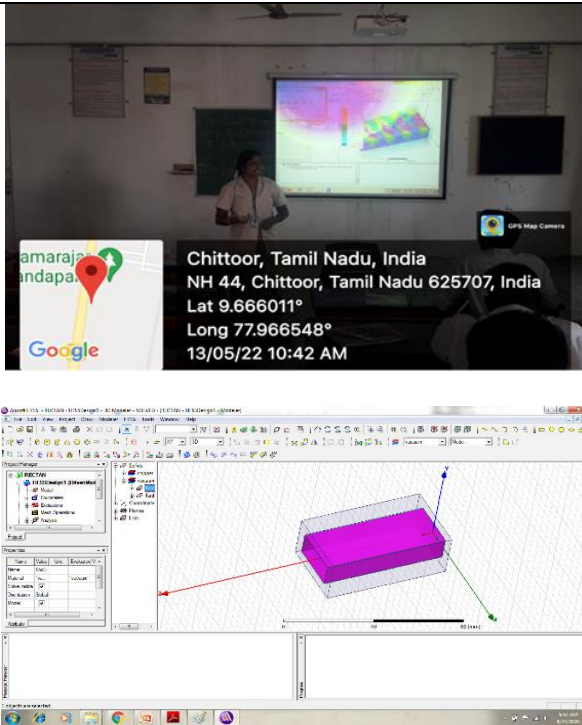



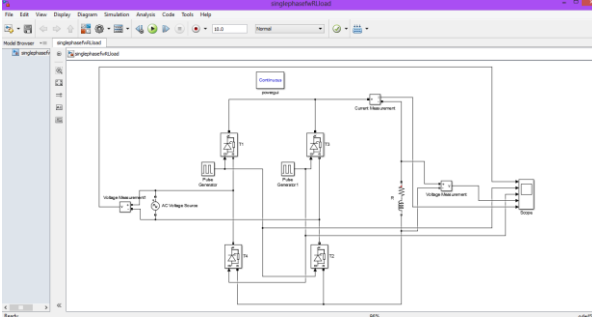


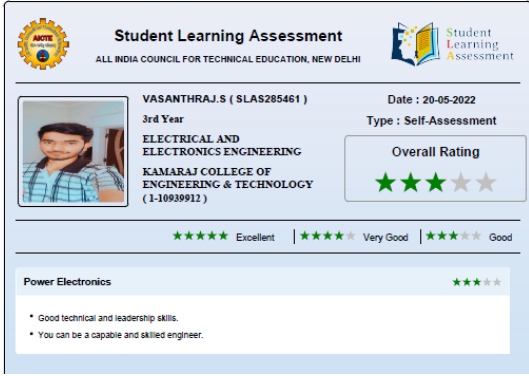
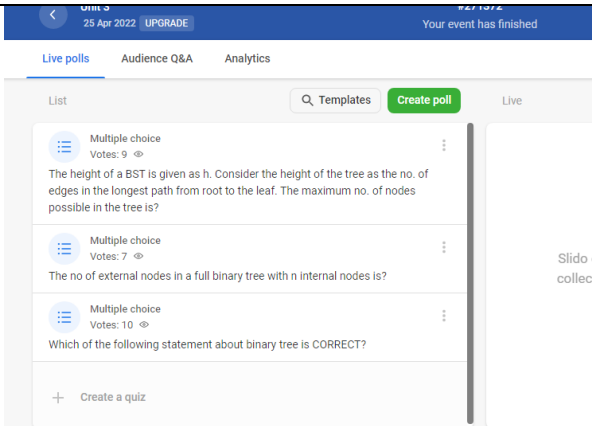
**ICT Tools/Activity Based Learning followed in Class Room Teaching**










S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
1.	Dr. N. Mehala AP/Maths	MA1401 Probability and Random Processes	ABL-Seminar by Student	Enhance the Student Skills	
2.	Mr.Jegan AP/EEE	EE1471-Control Systems Engineering	ABL-Video Presentation by the student ABISHEK EDWARD.S	Enhance the Student Skills	<a href="https://kcetvnrorg-my.sharepoint.com/:v/g/personal/20uec022_kamarajengg_edu_in/EUy1b0riCP1BoD_SKmmiQeEBDaApPHlfumjIPMpvtko4jg">https://kcetvnrorg-my.sharepoint.com/:v/g/personal/20uec022_kamarajengg_edu_in/EUy1b0riCP1BoD_SKmmiQeEBDaApPHlfumjIPMpvtko4jg</a>


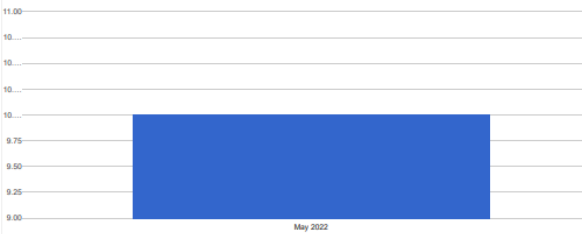


S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
3.	Mrs.P.Ramalakshmi AP/ECE	EC1403 Electronics Circuits I	Demo	Demonstrated on subject matter in a way that can be understood easily by the students	
4.	Mrs.M.Stella Mercy AP/ECE	EC1401 Communication Theory	PPT Presentation	Enhance the Student Skills	
5.	Mrs.C.Nagavani AP/ECE	EC8691- Microprocessor and Microcontroller	Model	Enhance the Student Skills and Content Delivery	

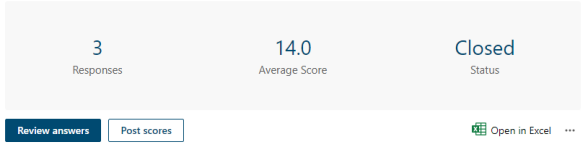
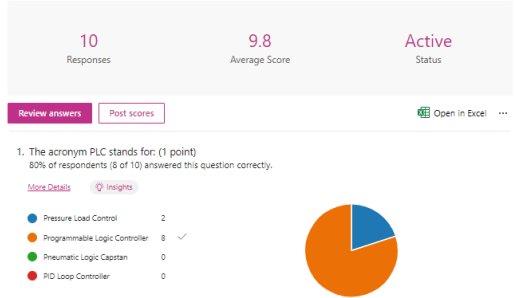
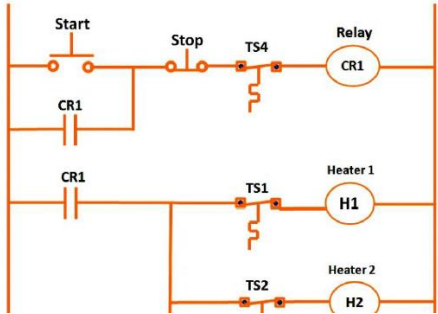
S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
6.	Dr.N.M.Mary Sindhuja AP/ECE	EC8651- Transmission Lines and RF Systems	Design of Rectangular waveguide using HFSS tool	Modern Tool Learning	
7.	Dr.T.Prathiba Mrs.P.Ramalaksh mi AP/ECE	CS8086-Soft Computing	Group Activity	Team work and Creativity	

S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
8.	S.Kavitha	EI8077-Power Electronics and Drives	MS Teams	Conducting Assessment	<p>Form: https://www.office.com/launch/forms?auth=2&amp;from=FormsDomain</p> <p>Pre-Assessment on EI8077 - Power Electronics and Drives</p> <p>10 Responses      4.9 Average Score      Active Status</p> <p>1. The p-region has a greater concentration of _____ as compared to the n-region in a P-N junction. (1 point) 10% of respondents (1 of 10) answered this question correctly.</p> <ul style="list-style-type: none"> <li>holes: 1 ✓</li> <li>electrons: 4</li> <li>both holes &amp; electrons: 3</li> <li>photons: 2</li> </ul> <p>2. Power diode is _____ (1 point) 60% of respondents (6 of 10) answered this question correctly.</p> <ul style="list-style-type: none"> <li>a three terminal semiconductor...: 3</li> <li>a two terminal semiconductor...: 6 ✓</li> <li>a four terminal semiconductor...: 0</li> <li>a three terminal analog device: 1</li> </ul> <p>3. A diode is said to be forward biased when the (1 point) 80% of respondents (8 of 10) answered this question correctly.</p> <ul style="list-style-type: none"> <li>cathode is positive with respect...: 2</li> <li>anode is positive with respect...: 8 ✓</li> <li>anode is negative with respect...: 0</li> <li>both cathode &amp; anode are po...: 0</li> </ul>
9.	S.Kavitha	EI8077-Power Electronics and Drives	Matlab	Hands-on purpose	

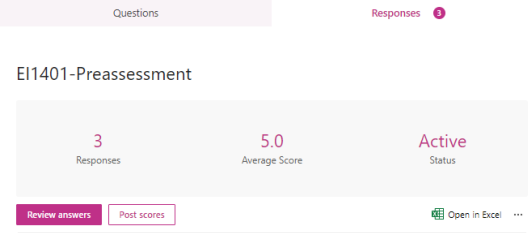

S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
10.	S.Kavitha	EI8077-Power Electronics and Drives	AICTE-SLAP	Assessment	
11.	J.Lavanya	CS8391-Data structures	Slido quiz	Training in Trees and graphs	

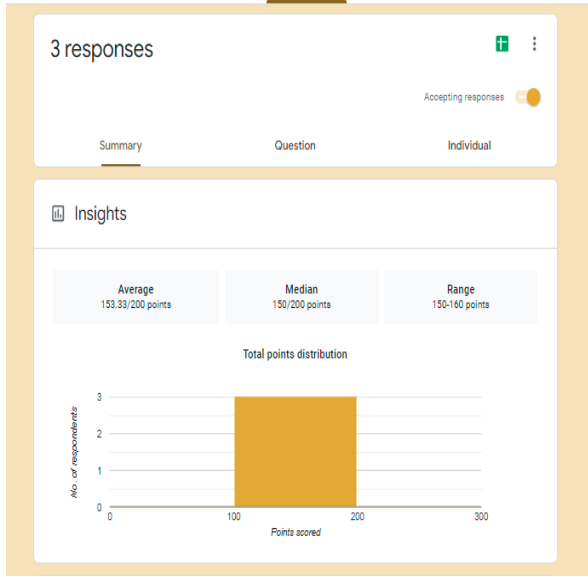
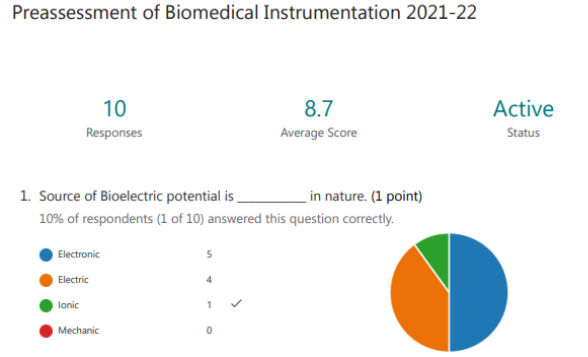
S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks																																																								
12.	L.V.Revathi	EI8691-Computer control Processes of	MS teams	Conducting Assessment	<p>Forms(https://www.office.com/launch/forms?auth=2&amp;from=FormsDomain)</p> <p>EI 8691-Preassessment (2019-23 Batch)</p> <p>10 Responses      7.5 Average Score      Active Status</p> <p>1. Flapper nozzle is used in a/an _____ controller. (1 point) 80% of respondents (8 of 10) answered this question correctly.</p> <table border="0"> <tr><td>● electronic</td><td>0</td></tr> <tr><td>● hydraulic</td><td>2</td></tr> <tr><td>● pneumatic</td><td>8 ✓</td></tr> <tr><td>● none of these</td><td>0</td></tr> </table>  <p>2. Response of a system to a sinusoidal input is called _____ response (1 point) 90% of respondents (9 of 10) answered this question correctly.</p> <table border="0"> <tr><td>● unit step</td><td>1</td></tr> <tr><td>● none of these</td><td>0</td></tr> <tr><td>● frequency</td><td>9 ✓</td></tr> </table> 	● electronic	0	● hydraulic	2	● pneumatic	8 ✓	● none of these	0	● unit step	1	● none of these	0	● frequency	9 ✓																																										
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13.	Dr.S.jeyadevi	EE8071- Applied Soft computing	Ms teams	Pre Assessment	<p>Forms(https://www.office.com/launch/forms?auth=2&amp;from=FormsDomain)</p> <p>Pre assessment</p> <p>10 Responses      8.9 Average Score      Active Status</p> <p>1. Any soft-computing methodology is characterised by (1 point) 80% of respondents (8 of 10) answered this question correctly.</p> <table border="0"> <tr><td>● Fuzzy solution</td><td>1</td></tr> <tr><td>● control actions are unambiguous</td><td>1</td></tr> <tr><td>● control actions is formally def.</td><td>0</td></tr> <tr><td>● algorithms which can easily ad.</td><td>8 ✓</td></tr> </table>  <p>2. The structural constitute of a human brain is known as (1 point) 100% of respondents (10 of 10) answered this question correctly.</p> <table border="0"> <tr><td>● Neuron</td><td>10 ✓</td></tr> <tr><td>● cell</td><td>0</td></tr> <tr><td>● genes</td><td>0</td></tr> <tr><td>● chromosome</td><td>0</td></tr> </table>  <p>3. Neurons also known as (1 point) 90% of respondents (9 of 10) answered this question correctly.</p> <table border="0"> <tr><td>● Neurons</td><td>1</td></tr> <tr><td>● Processing elements</td><td>0</td></tr> <tr><td>● nodes</td><td>0</td></tr> <tr><td>● All the above</td><td>9 ✓</td></tr> </table>  <p>4. Who initiated the idea of Soft Computing (1 point) 90% of respondents (9 of 10) answered this question correctly.</p> <table border="0"> <tr><td>● Charles Darwin</td><td>1</td></tr> <tr><td>● Lalla A Zaidin</td><td>9 ✓</td></tr> <tr><td>● M. Galich</td><td>0</td></tr> <tr><td>● Heisenberg</td><td>0</td></tr> </table>  <p>5. _____ is/are the way/s to represent uncertainty (1 point) 50% of respondents (5 of 10) answered this question correctly.</p> <table border="0"> <tr><td>● Fuzzy Logic</td><td>2</td></tr> <tr><td>● Probability</td><td>0</td></tr> <tr><td>● Fuzzy</td><td>1</td></tr> <tr><td>● All of the mentioned</td><td>5 ✓</td></tr> </table>  <p>6. In computing the output is called as (1 point) 100% of respondents (10 of 10) answered this question correctly.</p> <table border="0"> <tr><td>● Incomplete</td><td>10 ✓</td></tr> <tr><td>● Confused</td><td>0</td></tr> <tr><td>● Ambiguous</td><td>0</td></tr> <tr><td>● Precise</td><td>0</td></tr> </table>  <p>7. Core of soft computing is (1 point) 100% of respondents (10 of 10) answered this question correctly.</p> <table border="0"> <tr><td>● Fuzzy computing, neural comp...</td><td>10 ✓</td></tr> <tr><td>● Fuzzy network and artificial int...</td><td>0</td></tr> <tr><td>● neural science</td><td>0</td></tr> <tr><td>● Genetic science</td><td>0</td></tr> </table> 	● Fuzzy solution	1	● control actions are unambiguous	1	● control actions is formally def.	0	● algorithms which can easily ad.	8 ✓	● Neuron	10 ✓	● cell	0	● genes	0	● chromosome	0	● Neurons	1	● Processing elements	0	● nodes	0	● All the above	9 ✓	● Charles Darwin	1	● Lalla A Zaidin	9 ✓	● M. Galich	0	● Heisenberg	0	● Fuzzy Logic	2	● Probability	0	● Fuzzy	1	● All of the mentioned	5 ✓	● Incomplete	10 ✓	● Confused	0	● Ambiguous	0	● Precise	0	● Fuzzy computing, neural comp...	10 ✓	● Fuzzy network and artificial int...	0	● neural science	0	● Genetic science	0
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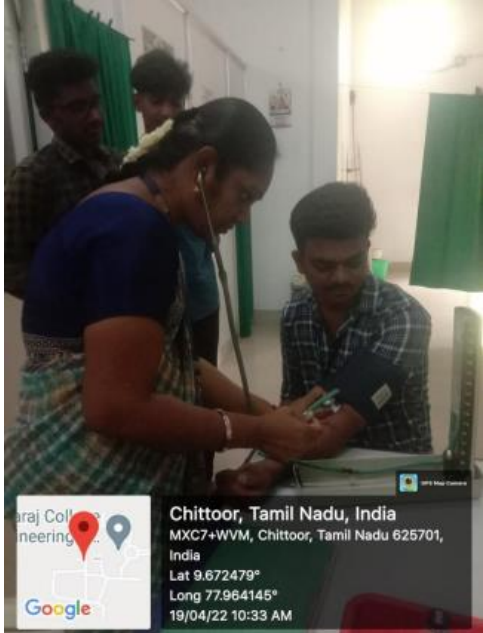
S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
14.			ProProfs	Post Assessment	<div data-bbox="1333 264 1768 302"> <p>10      5m 25s      83%</p> </div> <div data-bbox="1333 354 1524 373"> <p>What results are people getting?</p> </div> <div data-bbox="1333 391 1911 570">  <p>Pass - 83% Fail - 17%</p> </div> <div data-bbox="1333 581 1457 597"> <p><a href="#">See who passed or who failed</a></p> </div> <div data-bbox="1333 618 1560 638"> <p>How many Quiz attempts are happening?</p> </div> <div data-bbox="1843 623 1911 643"> <p>Weekly   Monthly</p> </div> <div data-bbox="1333 662 1911 894">  <p>May 2022</p> </div>
15.			Mathworks - onramp	Assessment (support with assignment 3)	<div data-bbox="1333 919 1684 954">  </div> <div data-bbox="1333 987 1665 1015"> <p>Course Completion Certificate</p> </div> <div data-bbox="1333 1047 1780 1144"> <p>Avinash N has successfully completed <b>100%</b> of the self-paced training course MATLAB Onramp</p> </div> <div data-bbox="1333 1177 1470 1234">   <small>DIRECTOR, TRAINING SERVICES</small> </div> <div data-bbox="1848 1226 1923 1242"> <p>30 June 2022</p> </div>

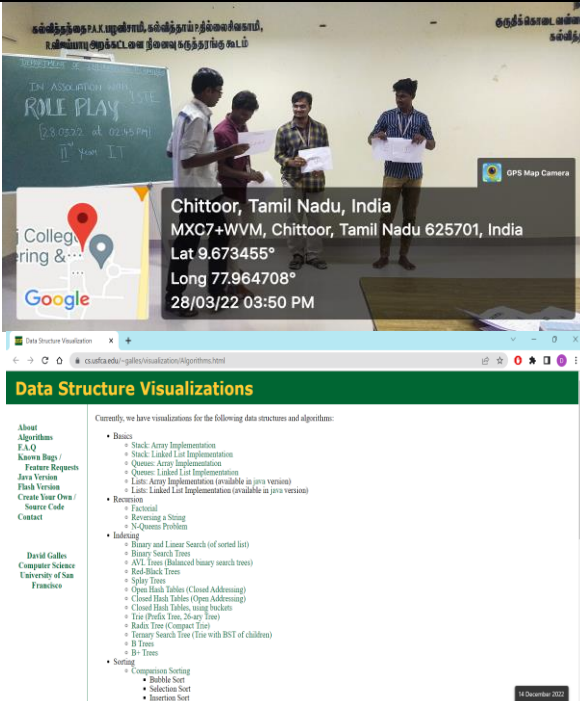
S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
16.	M.Geetha	MA1472 – Numerical methods and Probability	MS Teams	Assessment Test	<p>PRE ASSESSMENT TEST - MA1472 - NUMERICAL METHODS &amp; PROBABILITY - II EIE</p> 
17.	Dr. A.Rajavel	EI8651- Logic and Distributed Control system	MS Teams	Assessment Test	<p>PLC &amp; DCS -Pre-Assessment</p> 
18.			Automation	Demonstration	<p>DEMONSTRATION OF PLC PROGRAMMING</p> 

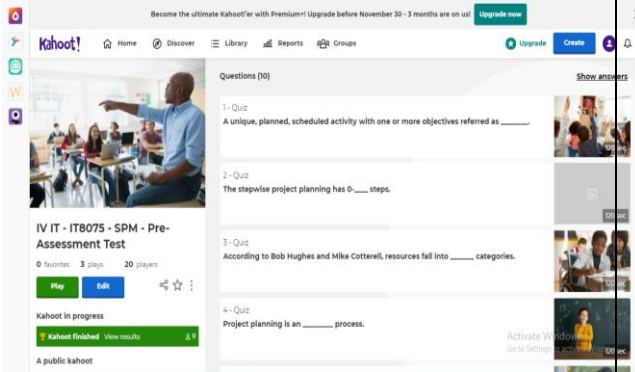
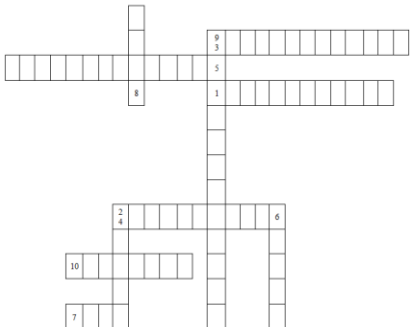



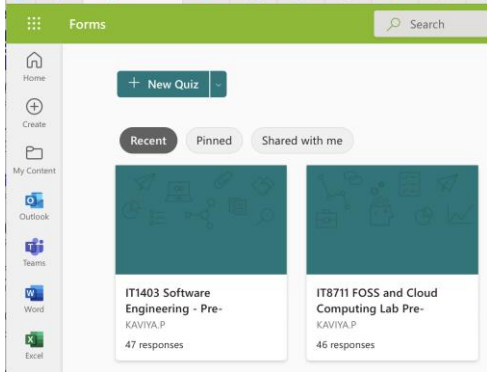

S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
19.		EI1401- Electrical and Electronic Measurement	MSFORMS	Assessment	
20.			Demo	Ammeter and Voltmeter	

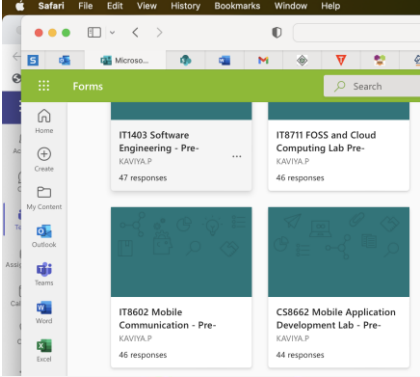
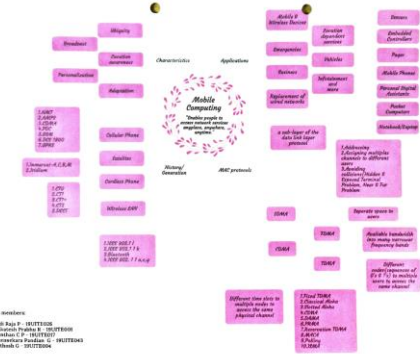
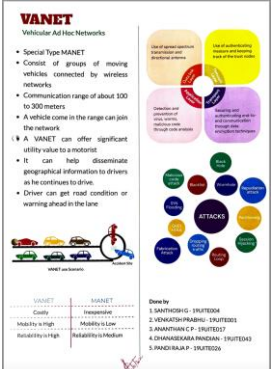
S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
21.	S.Ramesh Prabhu	EI1402 – Industrial Instrumentation	MS-Teams	Assessment	
22.	J.Uma Maheswari	EI8073- Biomedical Instrumentation	Ms Teams	Assessment	


S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
23.			Demo	Conducting class	
24.			Demo	Conducting class	

S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
25.	Dr. R. Arthy	IT1401 – Data Structures	1. Role Play 2. Online Demo Tool	1. Contest 2. Content Delivery	 <p>Chittoor, Tamil Nadu, India MXC7+WVM, Chittoor, Tamil Nadu 625701, India Lat 9.673455° Long 77.964708° 28/03/22 03:50 PM</p> <p><b>Data Structure Visualizations</b></p> <p>Currently, we have visualizations for the following data structures and algorithms:</p> <ul style="list-style-type: none"> <li>• Basics       <ul style="list-style-type: none"> <li>• Stack: Array Implementation</li> <li>• Stack: Linked List Implementation</li> <li>• Queue: Array Implementation</li> <li>• Queue: Linked List Implementation</li> <li>• Lazy Array Implementation (available in java version)</li> <li>• Lazy Linked List Implementation (available in java version)</li> </ul> </li> <li>• Recursion       <ul style="list-style-type: none"> <li>• Factorial</li> <li>• Reversing a String</li> <li>• N-Queens Problem</li> </ul> </li> <li>• Inseting       <ul style="list-style-type: none"> <li>• Binary and Linear Search (of sorted list)</li> <li>• Binary Search Trees</li> <li>• AVL Trees (Balanced binary search trees)</li> <li>• Red-Black Trees</li> <li>• Splay Trees</li> <li>• Open Hash Tables (Closed Addressing)</li> <li>• Closed Hash Tables (Open Addressing)</li> <li>• Trie (Prefix Tree, 26-ary Tree)</li> <li>• Radix Tree (Compact Trie)</li> <li>• Ternary Search Tree (Trie with BST of children)</li> <li>• B-Trees</li> <li>• B+ Trees</li> </ul> </li> <li>• Sorting       <ul style="list-style-type: none"> <li>• Comparison Sorting           <ul style="list-style-type: none"> <li>• Bubble Sort</li> <li>• Selection Sort</li> <li>• Insertion Sort</li> <li>• Shell Sort</li> </ul> </li> </ul> </li> </ul>

S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
26.	D. Vendhan	IT1402 - Operating Systems	Kahoot Crossword Puzzle Connection Game	Assessment	 <p>Questions (10)</p> <p>1- Quiz A unique, planned, scheduled activity with one or more objectives referred as _____</p> <p>2- Quiz The stepwise project planning has 0-_____ steps.</p> <p>3- Quiz According to Bob Hughes and Mike Cottarell, resources fall into _____ categories.</p> <p>4- Quiz Project planning is an _____ process.</p> <p>UNIT III - CROSS WORD ACTIVITY</p>  <p><b>Question Number 8</b></p> 



S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
27.	Kaviya.P	IT1403 - Software Engineering	Microsoft Forms Quiz	Content Delivery	 

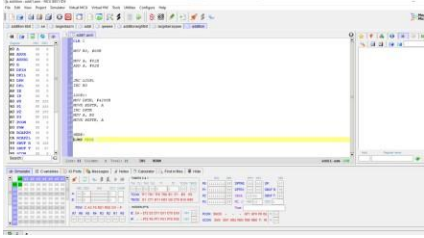

S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
28.	Kaviya P	IT8602 - Mobile Communication	1. Microsoft Forms 2. Conceptual Map 3. Poster Presentation	1. Assessment 2. Content Delivery 3. Content Delivery	  



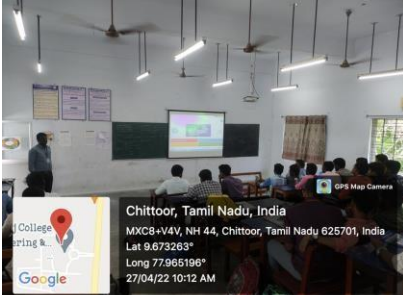
S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
29.	Dr. R. Arthy	CS8092 – Computer Graphics and Multimedia	Video Making	Assessment	 <p>Chittoor, Tamil Nadu, India  MXC7+WVM, Chittoor, Tamil Nadu 625701, India  Lat 9.673417 N  Long 77.964849 E  27/05/22 02:26 PM</p> <p>Chittoor, Tamil Nadu, India  MXC8+V4V, NH 44, Chittoor, Tamil Nadu 625701, India  Lat 9.673166 N  Long 77.96531 E  27/05/22 02:27 PM</p>

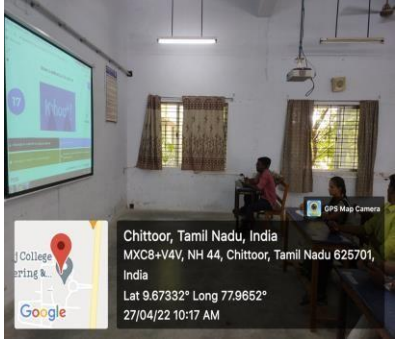
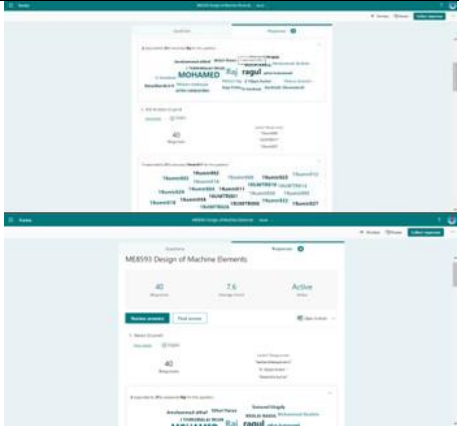


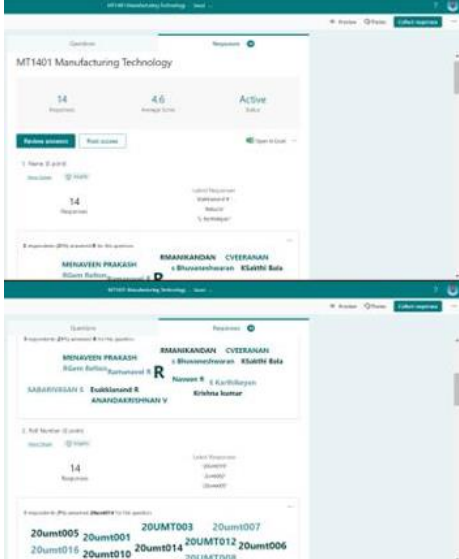




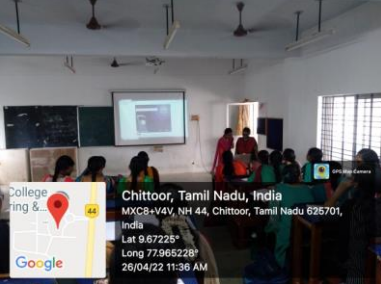

S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
33.	A.GANESAN	MT2203 Fluid Mechanics and Thermal Science	Kahoot	Assignment 2	
34.	A.GANESAN	GE8071 Disaster Management	Kahoot	Assignment 3	

S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
35.	S.Wesley Moses Samdoss	MT1402- Microprocesso rs and its applications	1.MCU8051 Simulator 2. Raspberrypi	1.8051 Microcont roller Programm ing 2.Demonstrat ion	 

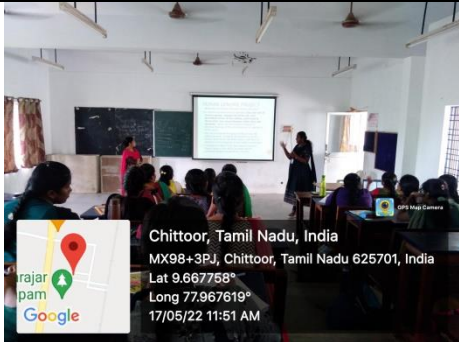
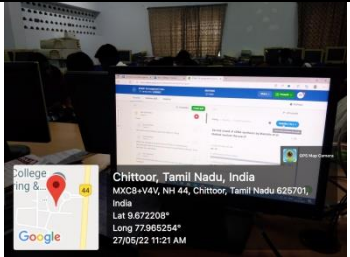
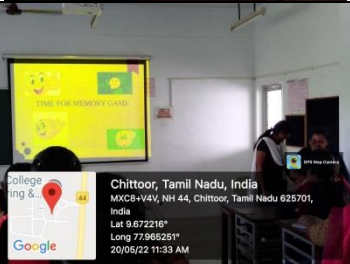

S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
36.	S.Wesley Moses Samdoss	MT1412- Microprocessors and its applications Laboratory	Android app – 8085 simulator	8085 Microprocessor Programming	
37.	A.Arulkumar	MT8602 & Industrial Automation	MATLAB Simulink Toolbox	Advanced Industrial Process Controllers	
38.	A.Arulkumar	MT8602 & Industrial Automation	Quiz on Kahoot Platform	Programmable Logic Controllers	

S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
39.	A.Arulkumar	MT1403 Sensors and Instrumentation	Quiz on Kahoot Platform	Sensors Applications in Industrial Control	
40.	S.David Blessley	ME8593 Design of Machine Elements	Microsoft Forms/Quiz	Preassessment	


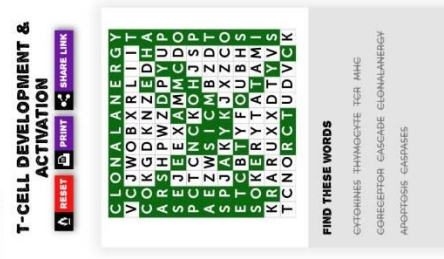


S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
41.	S.David Blessley	MT1401- Manufacturing Technology	Microsoft Forms/Quiz	Pre-assessment	
42.	S.David Blessley	MT1401- Manufacturing Technolog	Hands on Practice	Sand Casting (Foundry)	

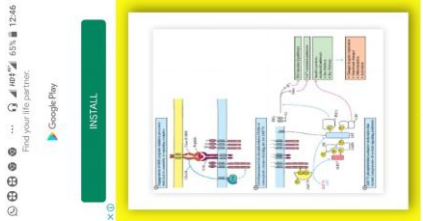
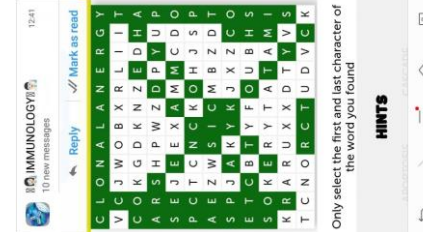
S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
43.	Dr K.Geetha	BT1502 & Genetic Engineering (2021-22 Even)	Online Quiz - KAHOOT	Revision of Unit II through activity based learning	
44.	Dr K.Geetha	BT1502 & Genetic Engineering (2021-22 Even)	Hangman Gaming tool: <a href="https://www.wisc-online.com/">https://www.wisc-online.com/</a>	To test the understanding of concept	
45.	Dr K.Geetha	BT1502 & Genetic Engineering (2021-22 Even)	Connections game with terminologies used in Unit IV	Review of Unit IV through activity	




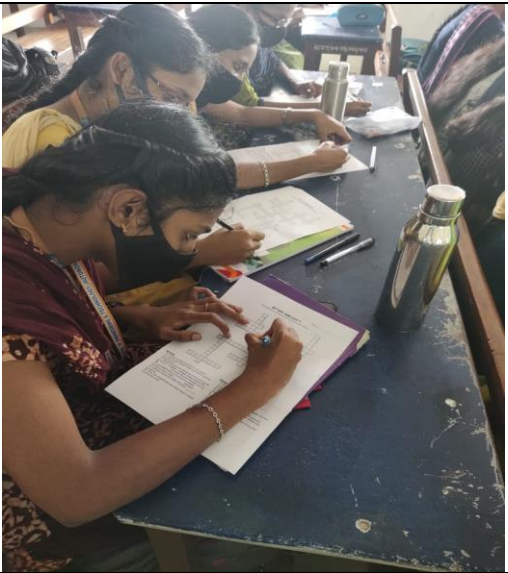

S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
46.	Dr K.Geetha	BT1502 & Genetic Engineering (2021-22 Even)	Power point presentation	Student seminar – to enhance their presentation skills	
47.	Dr K.Geetha	BT1502 & Genetic Engineering (2021-22 Even)	SLIDO Online Quiz tool	Assignment 3 – Quiz competition on complete syllabus	
48.	Dr K.Geetha	BT1502 & Genetic Engineering (2021-22 Even)	Memory Game	To judge the knowledge level of students	
49.	Er M.Soundaryalaks hmi, Dr D.Pradiba & Dr K.Geetha	BT8005 & Animal Biotechnology (2021-22 Even)	Gamification	Learnt how to create a game based activity to make learning more interesting	





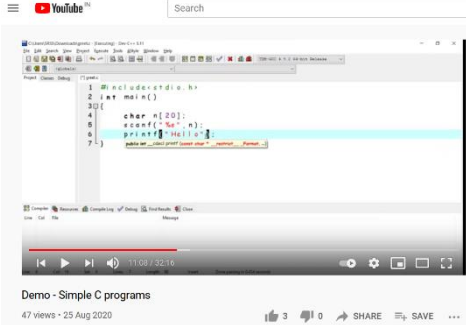
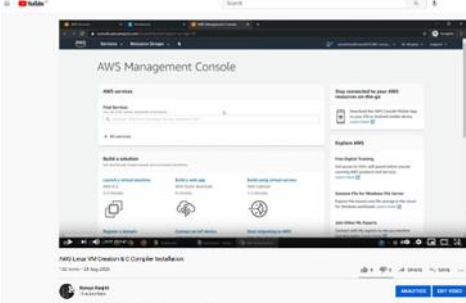
S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
50.	Dr K.Geetha	BT8791 & Immunology (2021-22 Odd)	PPT – student seminar online mode	Review of unit 1 and quiz competition	
51.	Dr K.Geetha	BT8791 & Immunology (2021-22 Odd)	Word search tool - Online	To learn the meaning of important terms	
52.	Dr K.Geetha	BT8601 & Genetic Engineering (2020-21 Even)	MS Forms	To make the students learn concept with clarity	
53.	Dr K.Geetha	BT8601 & Genetic Engineering (2020-21 Even)	Jumbled puzzle solving- Chromosome Walking process	To learn how chromosome walking is carried out	

S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
54.	Dr K.Geetha	BT8791 & Immunology (2020-21 Odd)	Online Jumbled picture assembly tool	To learn the process of T-cell activation	
55.	Dr K.Geetha	BT8791 & Immunology (2020-21 Odd)	Online Crossword puzzle	To learn the important terminologies associated with T cell activation	

S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
56.	Dr Pradiba D	BT1401 Analytical methods of Instrumentation	Jigsaw technique	<p>To help build comprehension.</p> <p>To encourage cooperative learning among students.</p> <p>To help improve listening, communication, and problem-solving skills.</p> <p>Topic : chromatography</p>	

S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
57.	Dr Pradiba D	BT1401 Analytical methods of Instrumentation	Cross word puzzle	To evaluate their knowledge and to pay attention to terminology	
58.	Dr A Ronaldo Anuf	BT 8014 Life style disease	Making Connections – Ice breaker	Assesment of Awareness regarding Risk factor in Cancer	

S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
59.	Dr A Ronaldo Anuf	BT 8014 Life style disease	Presentation of new paper cuttings	To provide students an awareness about the common health hazards	
60.	Dr R Shyam Kumar	BT1302 - Microbiology	Poster making	to improve the communication, group work, peer enablement among students	

S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Remarks
61.	R.Ramya	CS8493 – Operating Systems	Word Search Puzzle	To recall the concepts that are discussed	 <p>The screenshot shows a YouTube video player with a C program code editor. The code is as follows:</p> <pre> 1 #include &lt;stdio.h&gt; 2 int main() 3 { 4     char n[20]; 5     printf("Enter a string: "); 6     gets(n); 7     printf("%s\n", n); </pre> <p>The video title is "Demo - Simple C programs" and it has 47 views as of 25 Aug 2020.</p>
62.	R.Ramya	CS8711 – Cloud Computing Laboratory	Youtube videos	To illustrate the concepts	 <p>The screenshot shows a YouTube video player displaying the AWS Management Console. The console interface includes sections for "AWS services", "Build a solution", and "AWS IAM". The video title is "AWS Linux VM Creation &amp; C Compiler Installation" and it has 100 views as of 28 Aug 2020.</p>

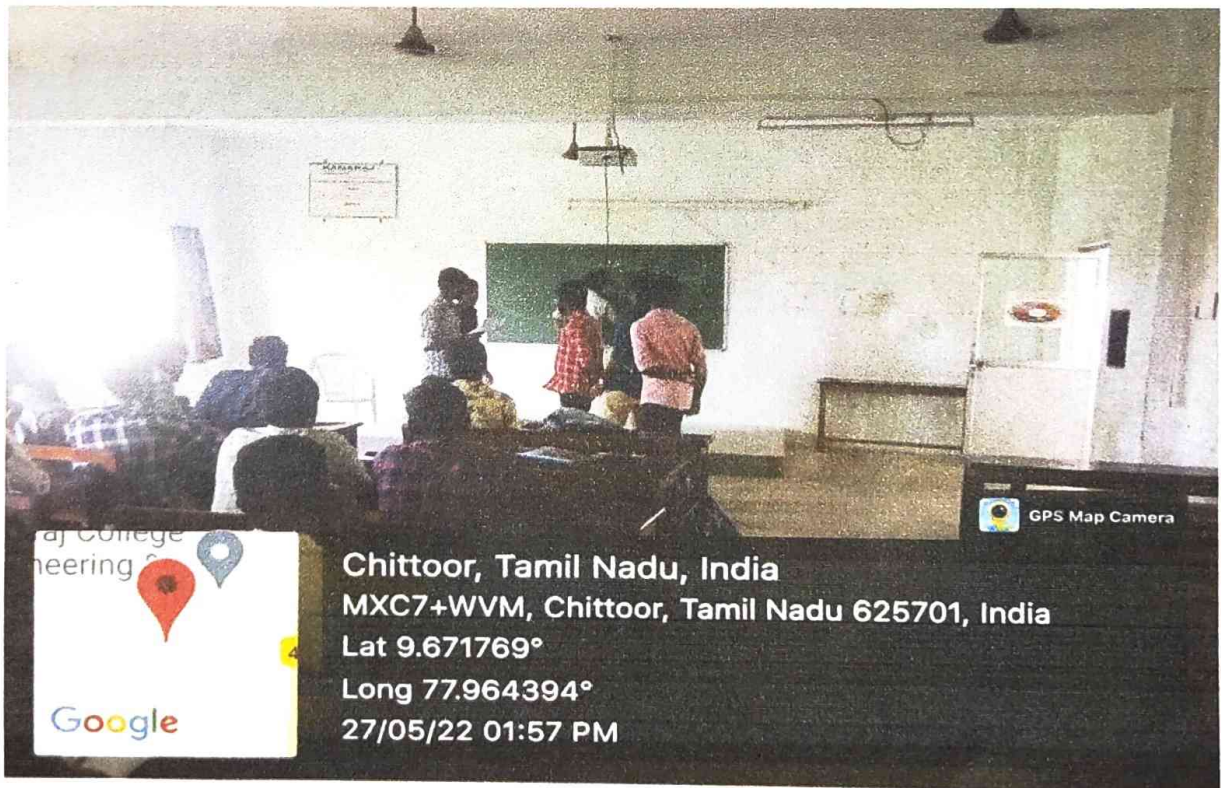


## Department of Mechanical Engineering

Course	: B.E.	Subject	: ME8692
Staff Name	: Mr.S.Muthu Natarajan	Code	
Class	: III Mechanical	Subject Name	: Finite Element Analysis
		Academic Year	: 2021-2022

### Activity Based Learning Report

#### Students Presentation – Fish Bowl Activity



Students were grouped into six members a team format based on their project team and they have selected the topic through fish bowl activity where the 12 different topics were randomly selected by each team head and the respective teams should present the allotted topic for the remaining students. This will help them to review the entire syllabus.

**ME8692 Finite Element Analysis - Students Presentation Details**

S. No.	Batch No.	Team No.	Roll No.	Register No.	Name of the Student	Topic
1	1	T1	19UMEC002	920419114016	JOYSON RALPH JEBADURAI V	Weighted Residual Method
2			19UMEC022	920419114014	JAGANATHAN S	
3			19UMEC011	920419114012	GOBINATH M	
4	2	T1	19UMEC012	920419114024	MUTHUVEERASALAPANDIAN M	
5			19UMEC014	920419114036	SUBHASHRAJ R	
6			19UMEC023	920419114002	ABISHEK S	
7			19UMEC027	920418114013	GOVARTHANAN T	
8	3	T2	19UMEC013	920419114026	N.NAVANEETHAKRISHNAN	Rayleigh Ritz Method
9			19UMEC015	920419114023	D.L.MANOJ	
10			19UMEC030	920419114005	V.ARUNKUMAR	
11	4	T2	19UMEC044	920419114031	RAMPRASATH C	
12			19UMEC042	920419114039	VENKATESHWARA R	
13			19UMEC053	920419114301	ARUNKUMAR P	
14			19UMEC004	920419114008	R.BALASUBRAMANIYAN	
15	6	T3	19UMEC031	920419114019	R.KUMARESH	One Dimensional Bar Element
16			19UMEC039	920419114007	R.ASWIN SUNDAR	
17			19UMEC032	920419114028	PRAVEEN RAJ R	
18	13	T3	19UMEC040	920419114041	VIGNESH K B	
19			19UMEC037	920419114004	ARAVINDAN C	
20			19UMEC005	920419114029	V RAHUL	
21			19UMEC003	920419114043	A.VIMAL	
22	7	T4	19UMEC024	920419114033	K.SATHEESH KUMAR	One Dimensional Heat Transfer Problems
23			19UMEC059	920419114302	N.BALA SUDHARSAN	
24			19UMEC050	920419114313	S.RAGUL	
25	11	T4	19UMEC061	920419114305	R.HARIHARAN	
26			19UMEC060	920419114308	MOHAMED IRSHATH A	
27			19UMEC058	920419114303	DHARUN N	
28			19UMEC057	920419114312	PRABAKARAN A	
29	12	T5	19UMEC047	920419114307	MICKAEL RAJ P	Truss Element
30			19UMEC056	920419114309	NAGARAJ S	
31			19UMEC007	920419114020	LOKESH S	



32			19UMEC017	920419114044	YUVARAJ.K	CST Element - Stress Calculation
33	10	T6	19UMEC029	920419114027	NAVEEN.D	
34			19UMEC006	920419114030	RAJESH KANNAN.R	
35	15		19UMEC025	920419114001	AAKASH KANNAN.U	
36			19UMEC009	920419114009	BHUVANESH PANDIAN.P	
37			19UMEC036	920419114017	KALIDASAN.M	
38			19UMEC010	920419114018	KARTHIK. S	
39	14		19UMEC001	920419114025	NARENDRAN.K	
40			19UMEC026	920419114003	AJAY KUMAR	
41		T7	19UMEC033	920419114038	THOMAS LIVIN DANIEL.A	
42	16		19UMEC045	920419114304	S.GANESH KARTHIC	
43			19UMEC048	920419114319	J.VINISH KUMAR	
44			19UMEC052	920419114315	M.SENTHIL KUMAR	
45	17		19UMEC063	920419114317	SIVA SUBRAMANIAN.S	
46			19UMEC049	920419114316	SIVAPACKIA.R	
47		T8	19UMEC055	920419114314	RATHISH.S	
48	20		19UMEC020	920419114032	RATHINA SIVA MALAYAPPAN.G	
49			19UMEC041	920419114040	VIGNESH G	
50			19UMEC021	920419114022	MADHAVAN P	
51	5		19UMEC051	920419114318	S.VIJAYAKUMAR	
52		T9	19UMEC046	920419114311	P.PARTHIBAN	
53			19UMEC054	920419114310	A.PANDI KAMAL KRISHNA	
54	8		19UMEC016	920419114015	J. JEEVA BALAN	
55			19UMEC062	920419114306	K.MANIKANDA PRABU	
56			19UMEC008	920419114006	K. ASWIN	
57	18		19UMEC035	920419114034	SIVA ANANTH.E	
58		T10	19UMEC034	920419114042	VIGNESH.N.A	
59			19UMEC043	920419114035	SIVABARATH.K	
60	19		19UMEC019	920419114021	MADHAVAN.G	
61			19UMEC028	920419114010	DEEPAN KAARTHIK.T	
62			19UMEC038	920419114011	GNANA PRAKASAM.G	

D.D. Dhananjay



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S.P.G.C.Nagar, K.Vellakulam - 625 701, (Near Virudhunagar), Madurai District.

DEPARTMENT OF MECHANICAL ENGINEERING

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## ACTIVITY BASED LEARNING

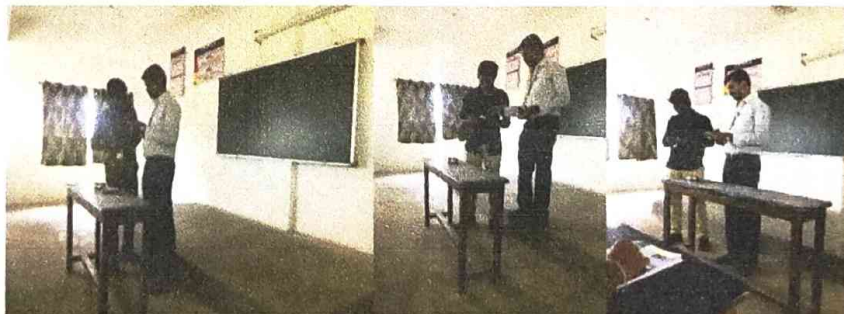
Name of the course instructor	: B.PRABHU
Subject Name	: Production Planning and Control
Subject Code	: IE8693
Academic Year	: 2021-2022 (Even)
Class & sec	: IV - A
Tool used	: Quiz through Fish Bowl

### Description:

The subject IE8693 – Production planning and control (PPC), all the syllabus topics are explained to the students by giving lecturing through case studies and power point presentation. For better understanding and easy remembering of the contents, individual students are asked to participate the QUIZ through Fish Bowl, in which the glossary questions in PPC are prepared and they are asked to take the lot at a time. The chosen content is explained by the students. Hence, they will able to remember and recall the concepts of the subject.

Proof (Photo\document\any other)

Conducted Date: 04/03/2022

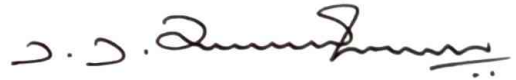


**Outcome:**

1. The students will be able to recall the concepts in PPC.
2. The students will have the chance to know the contents of PPC concepts through their batch mates.



**Staff In charge**



**Hod\Mech**

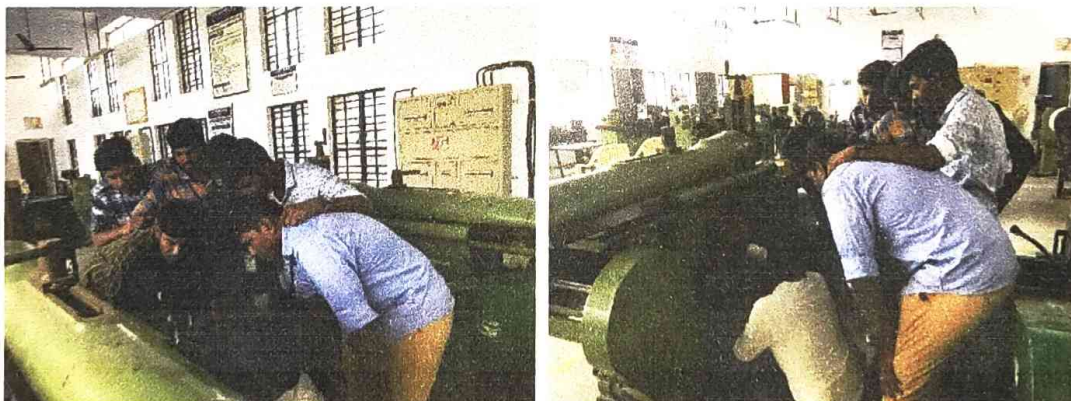
**INNOVATION**

Name of the course instructor : Mr.B.K.Parrthipan  
Subject Name : Kinematics of Machinery  
Subject Code : ME1471  
Academic Year : 2021 – 2022 (EVEN)  
Class : II  
Tool Used : Laboratory Demonstration

**Objective:**

The students are to be given practical exposure for better understanding of mechanism such as quick return mechanism, couplings, gear trains, couplings and shafts to be studied in Kinematics of Machinery.

**Proof (Photo\document\any other)**



**Outcome:**

The understanding level of the students is improved by demonstration of theory using the machineries available in the Manufacturing Technology lab. They also understand how the mechanisms are used in various machinery

*B.K. Parrthipan*

Staff In charge

*S.S. [Signature]*



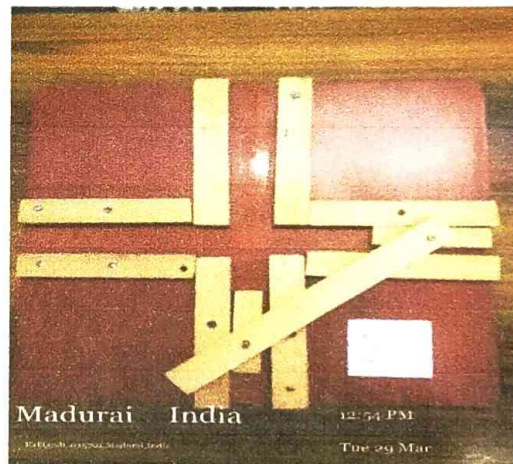
**INNOVATION**

Name of the course instructor : Mr.B.K.Parrthipan  
Subject Name : Kinematics of Machinery  
Subject Code : ME1471  
Academic Year : 2021 – 2022 (EVEN)  
Class : II  
Tool Used : Model Making Contest

**Objective:**

The students are asked to create a model of a mechanism studied in the topic “Basic of Mechanisms”

**Proof (Photo\document\any other)**



**Outcome:**

The students created a model of various mechanism like four bar mechanism, single slider crank mechanism etc., with the help of their learnings in the topic “Basic of Mechanisms”

B.K. Parrthipan  
Staff In charge

*(Handwritten signature)*



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DEPARTMENT OF MECHANICAL ENGINEERING

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## INNOVATION

Name of the course instructor :S.DEVARAJ, AP/MECH

Subject Name : Automobile Engineering

Subject Code : ME8091

Academic Year : 2021 - 2022

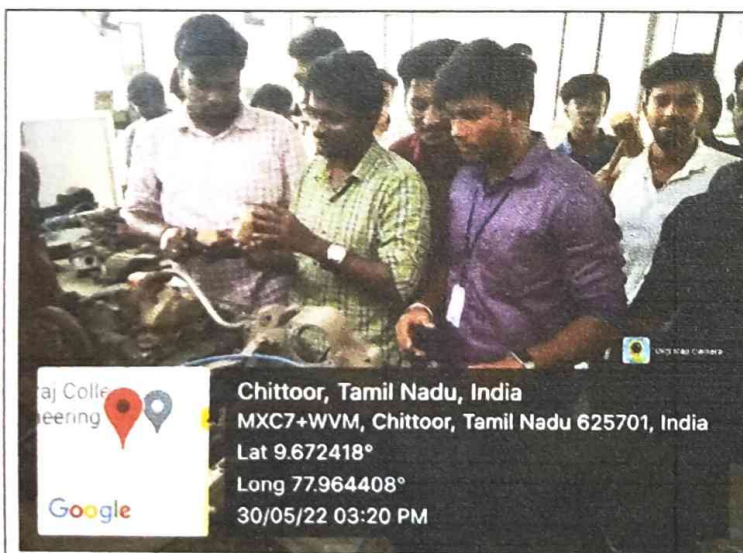
Class : III

Tools Used : Hands on Practices, ICT (Quizizz)

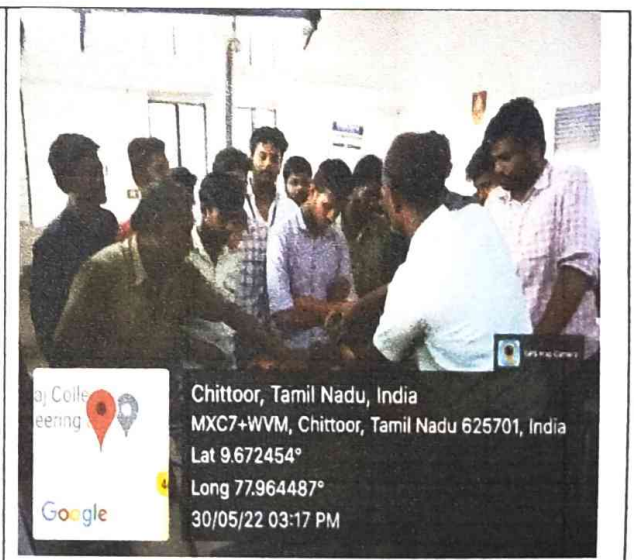
### Objective:

- To enhance the practical knowledge and also involve the students with real time applications laboratory demonstration of Automobile components was given in advance.
- To Dismantling and Assembling the differential unit and Gear box assembly in Automobile Engineering.
- To enrich the students' knowledge in Automobile Engineering concepts ICT tool Quizizz was used.
- To create a dynamic learning, Peer learning can provide a great support system among students, and the interchanging roles of teacher and learner.

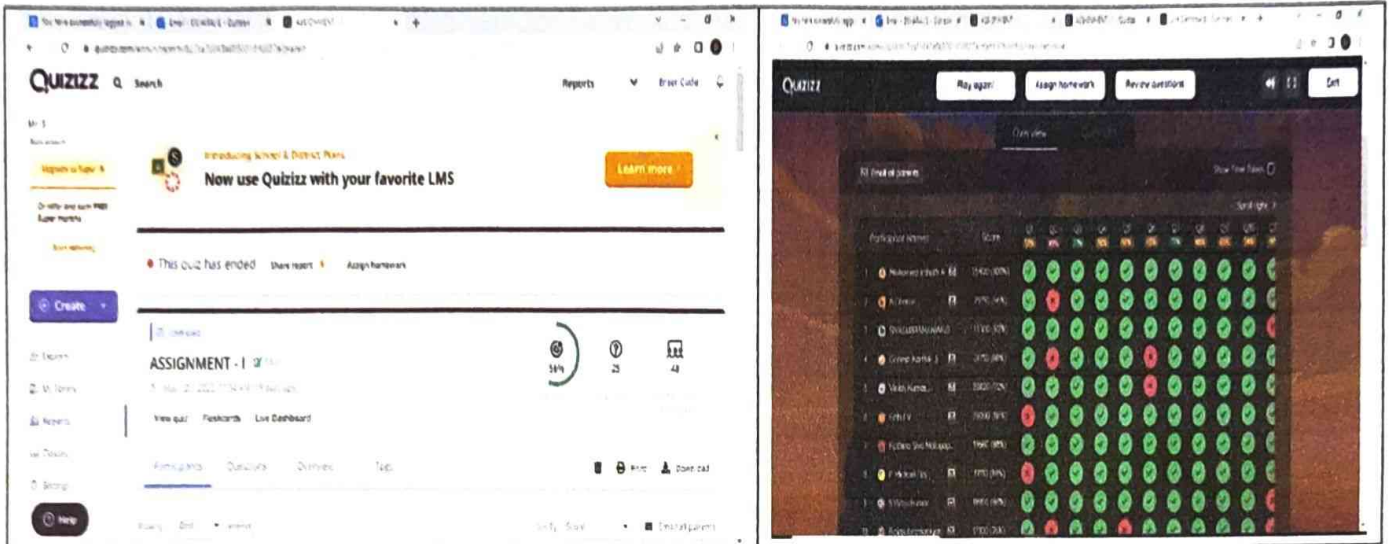
### Proof (Photo\document\any other) Conducted:



Hands on Practices (30.05.22)



Lab Demonstration (30.05.22)



ICT Tool - Quizizz (22.02.22)

**Outcome:**

- It is expected that the student will be able to understand the concepts of differential unit and Gear box assembly to apply in various tools.
- In this activity, a demo on Engine components were given to students to understand the working of engine components.
- It provides real-world experience by allowing the student to get his/her hands directly on whatever he/she is learning.

STAFF IN CHARGE

HODMECH







**Outcome:**

- The whole class basic strength was analyzed from the result data obtained.
- The result Excel sheet can be directly obtained from the tool used quizizz which minimize the analyzing time provide reliable statistical data.



**STAFF IN CHARGE**



**HOD\MECH**



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## Department of Mechanical Engineering

Course	: B.E.	Subject	: ME8692
Staff Name	: Mr.S.Muthu Natarajan	Code	: Finite Element Analysis
Class	: III Mechanical	Subject Name	: Finite Element Analysis
		Academic Year	: 2021-2022

## Activity Based Learning Report

### Peer Enabled Learning



Students were asked to form a team among themselves (the maximum members in a team is limited to 6). They were given a task to prepare the formulae sheet for unit 1 & 2 and present the same in front of other students for better understanding.

  
Staff In charge

  
HoD/Mech