



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR).

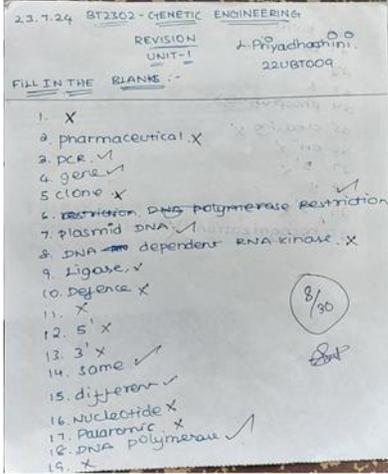
**Academic Year 2024-25**

**DEPARTMENT OF BIOTECHNOLOGY**

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

S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Color photos / images / geotag photos
<b>Department of Biotechnology</b>					
1.	Dr K.Geetha	BT2302 & Genetic Engineering	Quiz in classroom	To assess the learning of the class	 <p>Chittoor, Tamil Nadu, India  MXF7+9XG, Chittoor, Tamil Nadu 625701, India  Lat 9.673422°  Long 77.964699°  18/07/24 11:59 AM GMT +05:30</p>

S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Color photos / images / geotag photos
2.	Dr K.Geetha	BT2302 & Genetic Engineering	Think Share Pair Activity	Helps students to understand what was clear and what was confusing in a given topic	 <p>The image in the 'Color photos / images / geotag photos' column consists of two parts. The top part is a photograph of a classroom where several students are seated at desks, some looking towards the camera. A 'GPS Map Camera' overlay is visible in the bottom right corner of the photo, providing location data: Chittoor, Tamil Nadu, India; MXCB+V5J Kamaraj College, Bus Stop, NH 44, Chittoor, Tamil Nadu 625701, India; Lat 9.672186°; Long 77.965139°; 06/08/24 02:41 PM GMT +05:30. The bottom part is a handwritten note on a white sheet of paper. The title is 'Think - Pair - Share'. The content is divided into two sections: 'Strong' and 'Weak'. Under 'Strong', it lists '(Microinjection) Physical methods' and 'Transformation.'. Under 'Weak', it lists 'Induced competence' and 'Chemical methods transformation.'. The name 'NANEY SURESH SWETHA' is written in the top right corner of the note.</p>

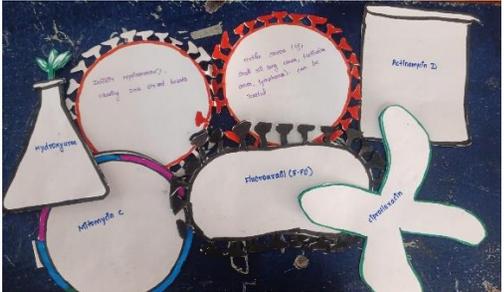
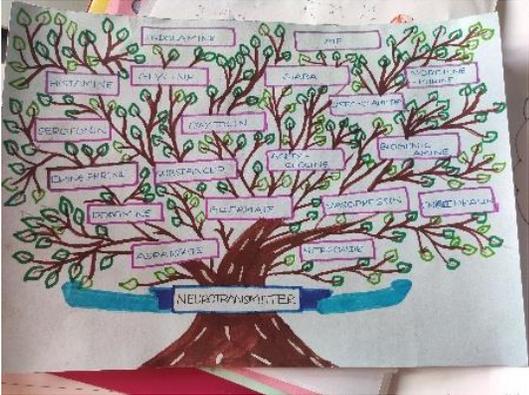
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3.	Dr K.Geetha	BT2302 & Genetic Engineering	Fill in the blanks	Review of Unit	 

S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Color photos / images / geotag photos
4.	Dr K.Geetha	BT2302 & Genetic Engineering	Student seminar	Peer enabled learning	
5.	Dr K.Geetha	BT2302 & Genetic Engineering	Role play	To teach the working of Real Time PCR Chemistry – TaqMan Probes	

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6.	Dr K.Geetha	VBT336 & Cancer Biology (Honours)	<p>Guest Lecture By Industry Expert: Cancer Research In Industries by Dr Rajasekaran R, Research Scientist, LifeSenz Cancer Research Labs Pvt Ltd, Mumbai.</p>	<p>To understand the application of concepts studied in Cancer biology</p>	 <p>The top photograph shows a lecturer standing at a podium in a classroom, addressing a group of students. A large screen behind him displays a presentation slide. The bottom photograph shows a wider view of the classroom with students seated at their desks, listening to the lecture.</p>

S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Color photos / images / geotag photos
7.	Er.A.Ganga	VBT313 & Bioanalytical Techniques and Instrumentation	Peer Learning	To enable students to work together to learn, build self-confidence, develop skills.	 <p>Chittoor, Tamil Nadu, India  MXC8+V5J Kamaraj College, Bus Stop, NH 44, Chittoor, Tamil Nadu 625701, India  Lat 9.672237°  Long 77.96518°  14/10/24 01:43 PM GMT +05:30</p>
8.	Er.A.Ganga	VBT325 & Principles of Food Preservation	Read, Say, Write	To create a vivid and lively environment to students that help them actively engage in learning.	 <p>Chittoor, Tamil Nadu, India  MXC8+V5J Kamaraj College, Bus Stop, NH 44, Chittoor, Tamil Nadu 625701, India  Lat 9.672141°  Long 77.965112°  19/09/24 12:32 PM GMT +05:30</p>

S. No.	Name of the Faculty	Subject code & name	ICT tool / ABL	Purpose	Color photos / images / geotag photos
9.	Er.R.Amuthalakshmi	BT2255 & Molecular Biology	Quizziz	A Quizziz activity was conducted to assess students' understanding of the Meselson & Stahl experiment, which demonstrated the semi-conservative nature of DNA replication.	
10.	Er.R. Amuthalakshmi	BT2255 & Molecular Biology	Venn Diagram Activity for Differences in Eukaryotic and Prokaryotic Replication process	This Venn Diagram activity effectively enhances students' comparative understanding of DNA replication in prokaryotes and eukaryotes by providing a visual representation that clearly highlights key similarities and differences	

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11.	Er.R. Amuthalakshmi	BT2255 & Molecular Biology	Flash card making activity for Inhibitors of DNA Replication	The Flash Card Making Activity effectively reinforces students' understanding of DNA replication inhibitors by promoting active recall and memory retention.	 <p>A collection of handmade flash cards on a dark background. The cards are shaped like a flask, a beaker, and a leaf. They contain handwritten text about DNA replication inhibitors, including 'Hydroxyurea', 'Methotrexate', 'Fluorouracil (5-FU)', and 'Actinomycin D'. One card has a note: 'Note: some 1st, 2nd and 3rd line drugs (antineoplastic) can be used'.</p>
12.	Er.R. Amuthalakshmi	VBT331 & Neurobiology and Cognitive Sciences	Tree Diagram Construction for Types of Neurotransmitters	the structured format improves retention by simplifying complex information, making it easier to recall neurotransmitter types and their roles in neural communication.	 <p>A hand-drawn tree diagram titled 'NEUROTRANSMITTERS' at the base. The tree branches out into various neurotransmitters, each in a pink box. The neurotransmitters listed include: Serotonin, Dopamine, Norepinephrine, Epinephrine, Histamine, GABA, Glycine, Glutamate, Acetylcholine, Nitric oxide, Endorphins, Melanin, and others. The diagram is colorful with green leaves and a brown trunk.</p>