



**BVRIT HYDERABAD College of Engineering for Women
Department of Electronics and Communication Engineering**

Name of the Activity: Forming Pyramids for Network Topologies

Faculty Name: Dr. J. Naga Vishnu Vardhan

Class / Semester: III - IT / II Sem

Academic Year: 2018-19

Subject Name: Principles of Electronic Communications

Topic: Network Topologies

Brief Write-up (Not exceeding 200 Words)

Students are asked to form like Pyramids for various network Topologies – Star, Ring, Bus etc. They are asked to speak about that particular topology discussed in the class and understand the data flow and client server concept. After forming pyramids, students are given a ball and asked to pass among them that help to understand the data flow in various topologies

Objective:

Technical concept mixed with fun and joy makes the student feel comfortable and understand the concept clearly



For any queries, please contact: vishnu.j @bvrithyderabad.edu.in



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Name of the Activity: Plickers

Faculty Name: P. Rajeshkumar

Class / Semester: II ECE B II Semester

Academic Year 2018-19

Subject Name: Pulse and Digital circuits

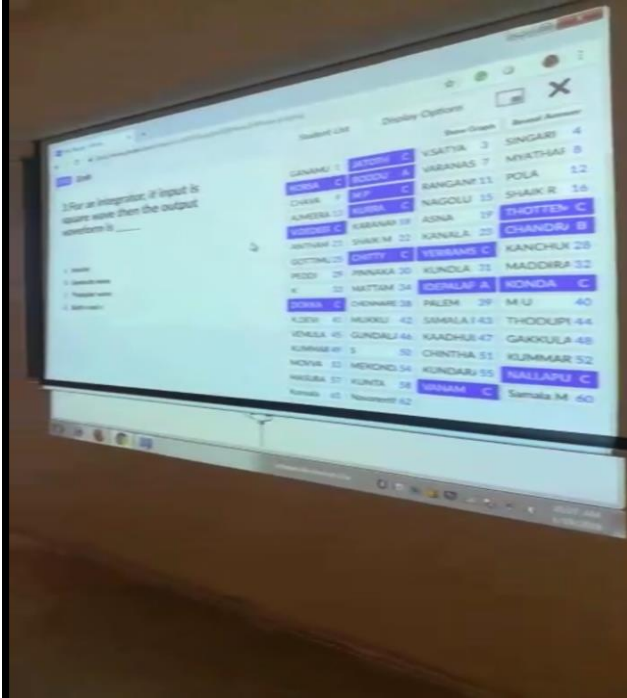
Topic: Linear and Non Linear Wave shaping

Brief Write-up (Not exceeding 200 Words)

For teachers all over the world, Plickers is a revolutionary way to collect instant multiple-choice responses from students, without requiring them to have clickers, computers, or tablets. Plickers is a free, interactive tech tool that uses printable “paper clickers” instead of clicker devices. Each student is assigned a unique Plickers card that has a black and white image similar to a QR code. ... Then students hold up their Plickers cards and rotate them to indicate which answer they think is correct.

Objective: To engage the student in class room learning by the usage of latest technical equipment.

Photographs



For any queries, please contact: rajeshkumar.p @bvrithyderabad.edu.in



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Name of the Activity: Content Development

Faculty Name: K.Mahesh Babu

Class / Semester: IV/I

Academic Year : 2018-2019

Subject Name: Microwave Engineering

Topic: Content Development

Brief Write-up (Not exceeding 200 Words)

All the students are taken to the computer Lab to develop content for the respective topic allotted to them. Students have presented the same topic in the class. So that teacher can understand how best the student understood.

Objective:

Goal is to present ideas, thoughts and opinions related to topic given to the student

Photographs



For any queries, please contact to below mail:

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BVRIT HYDERABAD College of Engineering for Women
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Name of the Activity: Mindmap

Faculty Name: Mr. R.Priyakanth

Class / Semester: II - I

Academic Year : 2018-19

Subject Name: Signals and Stochastic Processes

Topic: Applications of Signals and Stochastic Processes

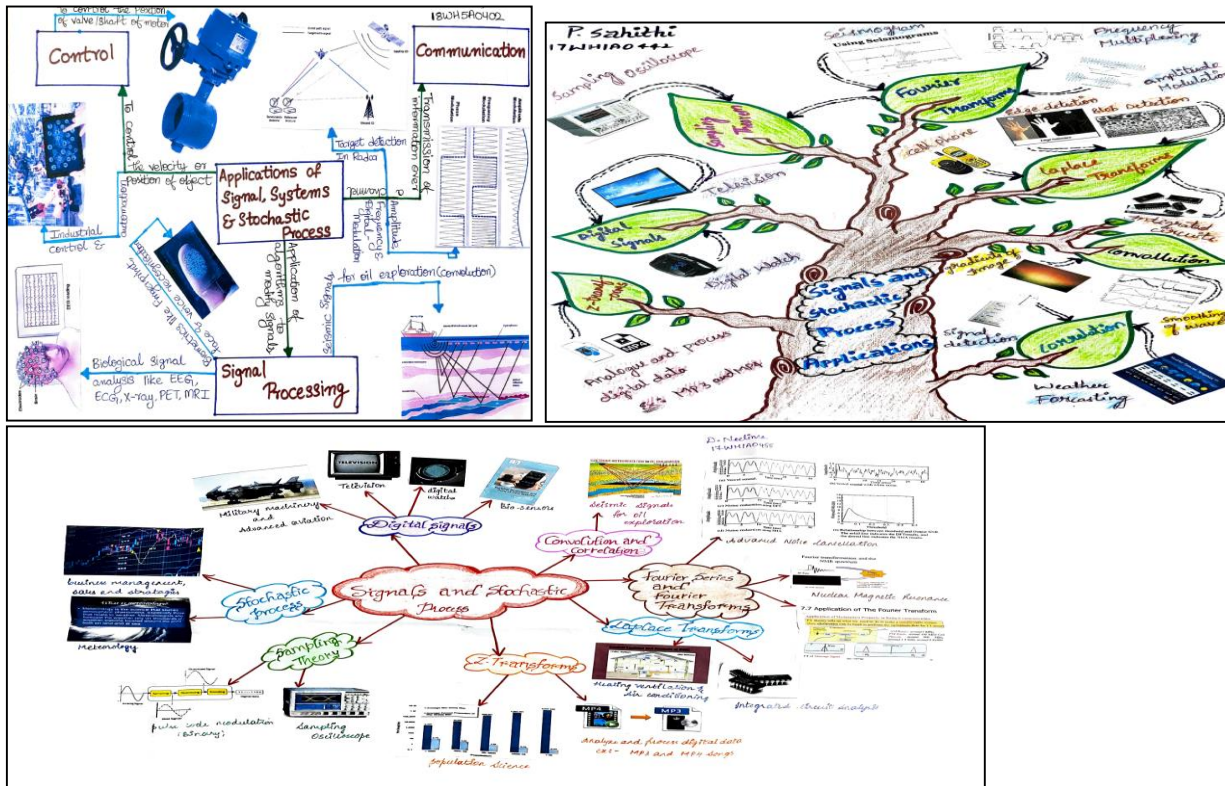
Brief Write-up (Not exceeding 200 Words)

Students need to create a Mindmap for the Course Signals and Stochastic Process relating to different applications and post in Google Classroom. This is an individual activity.

Objective:

To make the students organize the information by branching ideas out from a central theme “Applications of Signals and Stochastic Processes” and to highlight connections between the whole concept and its parts.

Photographs





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Name of the Activity: Mind Map

Faculty Name: Ms.R.Shylaja
Class / Semester: II ECE-B / I SEM
Academic Year: 2018-2019
Subject Name: Signals and Stochastic Process
Topic: Introduction to the subject

Brief Write-up (Not exceeding 200 Words)

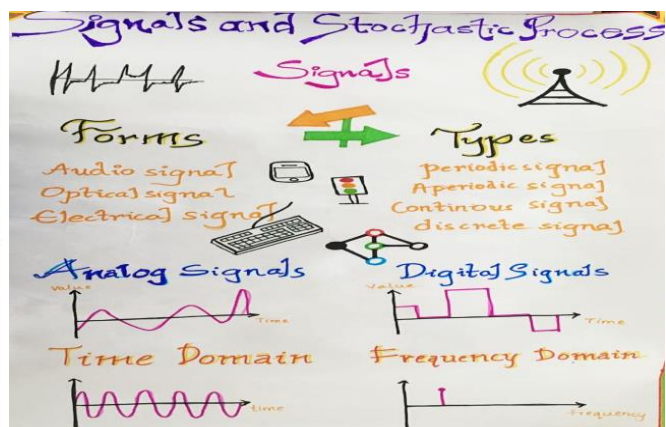
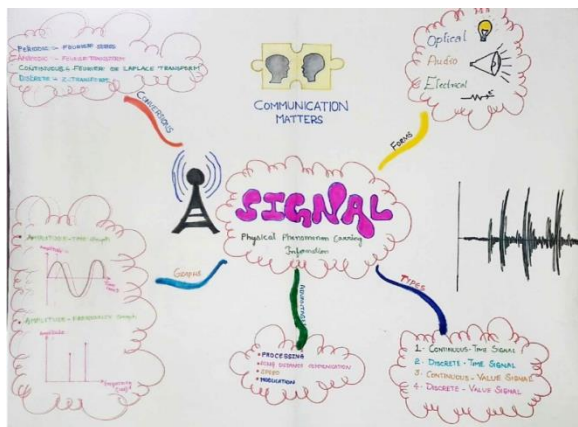
This is a team activity in which each team has to draw mind map based on the introduction given to the subject. Students should highlight the important terms and relate them.

Objective:

After this activity and associated work students are expected to be able to

- 1.List the key terms that they are going to learn in the subject
- 2.Learn the subject with prior idea on the contents of the subject

Photographs



Team 1	Team 2	Team 3	Team 4	Team 5	Team 6	Team 7	Team 8
Kavya Sree	B.Sheetal	Dedeepya	A.Kalyani	V.Venkata Sai Pranathi	Sai Vilitha	S. Pavani	M.Sindhusha
Asna Faiz	Anitha	Priyanka	V.Yashaswini	G.Vaishnavi	Milinee	K.Gouthami	K. Greeshma
Sai Alekya	Vaishnavi	Reyan	G.Lakshmi priya	Ch.Varshitha	Ketha Reddy	K. Swapna	S. Poojitha
Megha Sai Sree	Sai Divya	Lalitha	Ch.Yamini	P.Sahithi	Sreeja	J. Rashmi	K. Aishwarya
Ganga Shireesha	Mizan Tazneen	Mounika	K.Devi Satwika	N.Tejaswini	Rishika	K. Vaishnavi	V. Vishali
Sushmitha	Indraja	Mrunalini	M.Sreeja	K.Renuka	Gopi Chandana		Laxmi Prasana
Swathi		Kiranmai	P.Rishika	K.Sravani			
8 Marks	8 Marks	8 Marks	8 Marks	10 Marks	9 Marks	8 Marks	9 Marks

Name of the Activity: Think Pair Share (Paired Activity)

Faculty Name: Ms.R.Shylaja

Class / Semester: II ECE-B / I SEM

Academic Year: 2018-2019

Subject Name: Signals and Stochastic Process

Topic: Fourier Transform Properties

Brief Write-up (Not exceeding 200 Words)

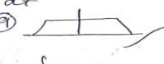
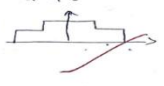
From a given set students should categorize the signals based on the property that can be applied to find frequency domain representation. Students performance is assessed based on correct answers.

Objective:

After this activity and associated work students are expected to be able to apply Fourier transform properties in finding frequency domain description of given signals

Photographs:



Time Shifting	Frequency Shifting	Duality	Differentiation in time	Differentiation in frequency
$x(t-t_0) \leftrightarrow e^{-j\omega t_0} X(\omega)$ ① $x e^{-\alpha t} u(t) \leftrightarrow X$ ⑧ $1 \leftrightarrow \delta(\omega)$ ⑩ $e^{-a t-2 }$	$e^{j\omega_0 t} x(t) \leftrightarrow X(\omega-\omega_0)$ ③ $e^{-j\omega_0 t}$ ④ $\cos \omega_0 t$ ⑥ $\sin \omega_0 t$ ⑦ $x(t) \cos \omega_0 t$ ⑨ $x(t) \sin \omega_0 t$ ⑪ + ⑫	$x(t) \leftrightarrow 2\pi X(-\omega)$ ② $\frac{1}{\pi t} \checkmark$ ③ $1 \checkmark$ ④ $\frac{\sin at}{\pi t} \checkmark$ ⑤	$\frac{dx(t)}{dt} \leftrightarrow j\omega X(\omega)$ ⑨  ⑪ $\frac{1}{a^2+t^2}$ ⑬  ⑭ + ⑮ = ⑯	$\int_{-\infty}^{\infty} x(t) dt \leftrightarrow \frac{d}{d\omega} X(\omega)$ ⑭ $\frac{1}{a+j\omega}$ ⑮

Name of the Activity: 3 .. 2 .. 1(Paired Activity)

Faculty Name: Ms.R.Shylaja
Class / Semester: II ECE-B / I SEM
Academic Year: 2018-2019
Subject Name: Signals and Stochastic Process
Topic: Random Process

Brief Write-up (Not exceeding 200 Words)

After the session students should identify 3 facts they learnt 2 doubts still they have and 1 opinion about the class.

Objective:

After this activity work students are expected to be able to

1. Summarize the important concepts they learnt during the session

Photographs:



Facts Learned:

13WHIA0461
18WHS A0423

1. Importance and applications of Power Spectral Density
2. Importance of amplitude and phase spectrums in frequency domain
3. Signal strength importance in Radios & Mobile Network

Doubts arised:

1. When Power Spectral Density is plotted, is the x-axis frequency or ^{angular} frequency?
2. Is P_{xx} the average total power of the random process?

Opinion on Class:

1. More examples and applications made us ^{understand} the concept easily. If ~~more~~ examples are given in everyclass like this, it would be very interesting.

For any queries, please contact to below mail

Shylaja.r@bvrithyderabad.edu.in

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Name of the Activity: Seminars

Faculty Name: K. Brunda Devi
Class / Semester: IV ECE- A/ II sem.
Academic Year: 2018-19
Subject Name: Radar Systems
Topic: Radar Receivers

Brief Write-up (Not exceeding 200 Words)

This is an activity in which each one must give the one topic of the subject. Students should highlight the important terms and they explained.

Objective:

To improve communication and Presentation skills.

Photographs:





For any queries, please contact to below mail

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