Work division among the groups in Mega-Group 3:

Lecture number: 3
(Note: We have already provided timestamps for lecture number 3).

Group 7:
1. 2-3 Question and answers related to timestamps 2 and 3.
2. Embellishment of timestamps 2 and 3

Group 8:
1. 1 Question and answer related to timestamp 1.
2. Embellishment of timestamp 1.

Group 9:
1. Summary of entire Lecture 3.
2. 1-2 Question and answers based on timestamp 4.
3. Embellishment of timestamp 4.

Work division among the members of each group in Mega-Group 3:

Group 7:
1. Aaron John Sabu: Embellishment for time stamp 2, 1 Question
2. Ram Prakash Sri Sai Seeram: Embellishment for time stamp 3 , 1 Question
3. Vaibhav Malviya: Challenge Problem, Additional learning, 1 Question
Embellishment Details :
   ● An animation on sampling and how different signals with different spectrum can lead to same sampled signal
   ● An animation on reconstruction, how Nyquist rate is determined
   ● An animation on aliasing and challenge 2

Group 8:
1. Mihir Kavishwar: Embellishment for timestamp 1.
2. Mithilesh Vaidya: 1 Question and it's solution based on timestamp 1.
3. Rishab Dahale: Suggest ideas for embellishment and review work done by Mihir and Mithilesh.
Embellishment details:
   ● Animation of sampling a sinusoid in time domain and how different sinusoids can give us the same samples
   ● Animation of sum of sinusoids in time domain which generate the same samples (challenge 1)

Group 9:
1. Shreyas Goenka: 1-2 Question and answer based on timestamp 4
2. Agulla Surya Bharath: Embellishment of timestamp 4, 1 Question and answer
3. Tirupati Saketh Chandra: Summary of entire Lecture 3.

Embellishment Details :
- An animation depicting the behaviour of Ideal Low Pass filter.(i.e a complex input signal having different frequency components is sent through Low Pass filter and the effect of Low-pass filter on the amplitude of different frequency components is animated)

Lecture number: 28

Deadline for timestamps of Lecture-28 is March 29th (as mentioned in moodle).

So , we haven't made the timestamps yet.

But, the tentative work division among our groups is as follows :

After dividing timestamps among three groups ,

Group X :

Embellishment of their timestamps + Summary of Lecture 28 +
 1 Question and Answer.

Group Y :

Embellishments of their timestamps + 3 Question and answers.

Group Z :

Embellishments of their timestamps + 1 Question and answer +
Challenges mentioned in lecture + Additional Learning.
X,Y,Z yet to be decided from {7,8,9} depending upon the workload . So that each group contributes almost equally on a whole for { Lecture3+Lecture28 }.

The above mapping will be done after acquiring proper idea of all topics in Lecture 28(FIR filter design) by all the Mega Group members.

Date : 17th March , 2020