



# Remedial Classes 2022-23

Department of Electronics and Communications Engineering

**GOKARAJU RANGARAJU**  
**INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
(Autonomous)

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GRIET/PRIN/12A/G/20-21

9<sup>th</sup> August 2023

**GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING & TECHNOLOGY**

**REMEDIAL CLASSES 2023-24**

**CIRCULAR**

**FINISHING SCHOOL**

This is to inform you all that Remedial Classes will be held for academically weak students from 12<sup>th</sup> June 2023.

A handwritten signature in blue ink, reading 'V. N. Ramaswami'.

Dean Finishing School

From Dean,  
Finishing school GRIET.

9<sup>th</sup> August 2023

To  
The HOD ECE GRIET

**Sub: Request for faculty and Class rooms to conduct Remedial classes.**

Sir/Madam,

This is to inform you that Finishing school of GRIET is conducting Remedial classes to Selective students of B.Tech II year students who are slow learners. This would help in improving their performance in the mid exams of 1<sup>st</sup> Semester .To conduct the classes in offline mode. We Request you to Nominate faculty to teach the following courses.

**Remedial Classes Schedule for II Year-I Semester, 2023-2024.**

S.No	Year	Course title	No.of Students	Name of the faculty	Signature
1	II	(GR20A2054) Signals and Systems	24	T.Santosh Kumar	
2	II	(GR20A2055) PTSP	14	Dr.V.Hima Bindu	



Thanking you  
Yours Sincerely,  
Dr V N Ramadevi

<b>List of students failed in Signals and Systems</b>				
S.NO	Roll Number	Year Sem	Subject Code	Subject name
1	21241A04H9	210	GR20A2054	Signals and Systems
2	21241A0432	210	GR20A2054	Signals and Systems
3	21241A0461	210	GR20A2054	Signals and Systems
4	21241A04F7	210	GR20A2054	Signals and Systems
S5	21241A0467	210	GR20A2054	Signals and Systems
6	21241A0416	210	GR20A2054	Signals and Systems
7	21241A0477	210	GR20A2054	Signals and Systems
8	21241A0466	210	GR20A2054	Signals and Systems
9	21241A0487	210	GR20A2054	Signals and Systems
10	21241A0439	210	GR20A2054	Signals and Systems
11	21241A0486	210	GR20A2054	Signals and Systems
12	21241A0436	210	GR20A2054	Signals and Systems
13	21241A04H4	210	GR20A2054	Signals and Systems
14	21241A0490	210	GR20A2054	Signals and Systems
15	21241A04K2	210	GR20A2054	Signals and Systems
16	21241A0445	210	GR20A2054	Signals and Systems
17	21241A0457	210	GR20A2054	Signals and Systems
18	21241A0459	210	GR20A2054	Signals and Systems
19	21241A04G0	210	GR20A2054	Signals and Systems
20	21241A04D9	210	GR20A2054	Signals and Systems
21	21241A04B7	210	GR20A2054	Signals and Systems
22	21241A04C9	210	GR20A2054	Signals and Systems
23	21241A0489	210	GR20A2054	Signals and Systems
24	21241A04J2	210	GR20A2054	Signals and Systems

## GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING &amp; TECHNOLOGY

II Year-I Semester, 2022-2023

Subject: Signals and Systems

#	Roll Number	12/07/23	13/07/23	14/07/23	15/07/23
1	21241A04H9	A	A	P	P
2	21241A0432	P	P	A	A
3	21241A0461	P	P	P	P
4	21241A04F7	P	P	P	P
5	21241A0467	P	P	A	P
6	21241A0416	P	P	P	P
7	21241A0477	P	P	P	P
8	21241A0466	A	P	P	P
9	21241A0487	P	P	P	P
10	21241A0439	A	P	P	P
11	21241A0486	P	P	P	A
12	21241A0436	P	A	A	A
13	21241A04H4	P	P	P	P
14	21241A0490	P	A	A	A
15	21241A04K2	P	P	P	P
16	21241A0445	P	P	P	P
17	21241A0457	P	P	P	P
18	21241A0459	P	P	P	P
19	21241A04G0	P	P	P	A
20	21241A04D9	P	P	P	P
21	21241A04B7	P	A	A	A
22	21241A04C9	P	P	P	P
23	21241A0489	P	P	P	P
24	21241A04J2	P	P	P	P



**GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING & TECHNOLOGY**  
**FINISHING SCHOOL**

**REMEDIAL CLASSES (Academic support for students) Student Feed Back**

Branch: ECE

Year:II

Sem: I

Subject: SS

Faculty Name: Mr. T.Santosh Kumar

S.No	Item	Feedback
1	Material presented	✓ Excellent/Very Good/Good/Average/Below Average
2	Teaching Clarity	✓ Excellent/Very Good/Good/Average/Below Average
3	Covering of important topics	Excellent/✓ Very Good/Good/Average/Below Average
4	Doubts clarification	Excellent/✓ Very Good/Good/Average/Below Average

Suggestions:

*V N Ramakrishna*

Dean Finishing School



**GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING & TECHNOLOGY**  
**FINISHING SCHOOL**

**REMEDIAL CLASSES (Academic support for students) Student Feed Back**

Branch: ECE

Year:II

Sem: I

Subject: PTSP

Faculty Name: DR V Himabindu

S.No	Item	Feedback
1	Material presented	✓ Excellent/Very Good/Good/Average/Below Average
2	Teaching Clarity	✓ Excellent/Very Good/Good/Average/Below Average
3	Covering of important topics	Excellent/✓ Very Good/Good/Average/Below Average
4	Doubts clarification	Excellent/✓ Very Good/Good/Average/Below Average

Suggestions:

*V N Himabindu*

Dean Finishing School



# **Faculty Report on Subject**

**Subject:** Signals and Systems

Unit1. Introduction to Continuous-time Signals and Fourier series

Unit2. Fourier Transform, and Laplace Transform

Unit3. Signal Transmission through Linear Systems Continuous-

Linear Time-Invariant systems

Unit4. Discrete Time signal characteristics

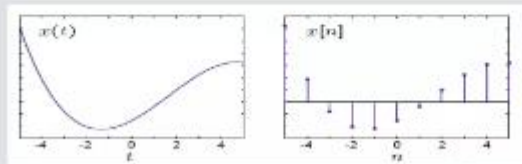
Unit5. Sampling

II. Previous question papers

III. Notes or PPTs

## Continuous time (CT) & discrete time (DT) signals:

- CT signals take on real or complex values as a function of an independent variable that ranges over the real numbers and are denoted as  $x(t)$ .
- DT signals take on real or complex values as a function of an independent variable that ranges over the integers and are denoted as  $x[n]$ .
- Note the subtle use of parentheses and square brackets to distinguish between CT and DT signals.



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## Periodic & Non-periodic Signals

- Periodic signals have the property that  $x(t + T) = x(t)$  for all  $t$ .
- The smallest value of  $T$  that satisfies the definition is called the period.
- Shown below are an non-periodic signal (left) and a periodic signal (right).



## Even & Odd Signals

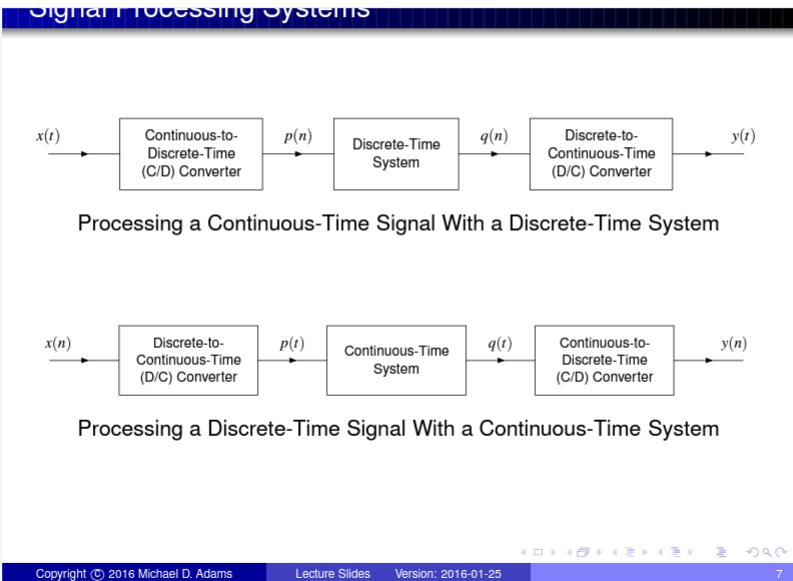
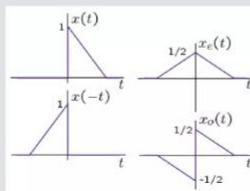
- Even signals  $x_e(t)$  and odd signals  $x_o(t)$  are defined as

$$x_e(t) = x_e(-t) \text{ and } x_o(t) = -x_o(-t).$$

- Any signal is a sum of unique odd and even signals. Using

$$x(t) = x_e(t) + x_o(t) \text{ and } x(-t) = x_e(t) - x_o(t), \text{ yields}$$

$$x_e(t) = 0.5(x(t) + x(-t)) \text{ and } x_o(t) = 0.5(x(t) - x(-t)).$$



## Report on Remedial Classes

This is to inform you that Finishing school of GRIET is conducting Remedial classes for B.Tech II year, III year, IV year students to clear their backlogs.

Details are

1. Remedial classes are conducted in different Subjects to support the Students in clearing their backlogs. As the first step, classes are held for Final year and Marched out batches in three different schedules. Students were informed through SMS. Students shown lot of interest .Faculty gave tips as well as material for the students.80-90% of the students who have attended got benefit and they passed in the exams.
2. The classes are aimed to help the students having a maximum of three backlogs so that they will get the degree as per their academic calendar. Students preferred material and few tips as they were busy in Projects. For some subjects they came and attentive.
3. The sessions for II & III-year students are to prevent failure rate and thereby increasing transition rate. The subjects are selected based on I-semester results. To increase attendance for the classes a brief motivation lecture is organized with the key note address by HOD.

The following shows the courses for which Remedial classes are held and the Transition rate in such course:

S.No	Course	No.of students attended	No.of students passed	Transition rate
1.	SS	24		