

Student Teams Achievement Division (STAD) Activity

Course : Signals and Systems

Class: II ECE-A-I SEM

Topic : Response of Linear Systems

Concept for activity:

- Interaction session to present the content
- Make teams based on one criterion
- Teams work together to solve the given task
- Educator conducts individual quiz and a team quiz
- Determine team average and each peer improvement scores

Total time required to conduct this activity: (Activity - 5 sessions)

- Interaction session by educator : 50 min (1 session)
- Making Teams, Sources of information : 50 min (1 session)
- Activity (3 sessions)
 - Collaborative learning- : 50 min (1 session)
 - (Characteristics of radio receivers)
 - Individual Quiz : 50 min (1 session)
 - Group Quiz : 50 min (1 session)
 - Total sessions : 05

Activity Outcomes:

- Develop an input-output relationship for a linear shift invariant system and understand the convolution operator for continuous and discrete time system
- Develop individual and teamwork to solve the response of linear systems.
- Apply their ideas and thoughts during team discussion during deadlock.

Team Formation:

Asked the students to take the quiz on learning styles created by Felder using the link <http://www2.ncsu.edu/unity/lockers/users/f/felder/public/ILSpage.html>

S.No	Regd. No	Name of the Student	Active	Reflective	Sensing	Intuitive	Visual	Verbal	Sequential	Global	Team ID
1	15NM1A0401	A GANESWARI RUPAVATHI	1		1		1			1	K5
2	15NM1A0402	ANDIBOYINA JANAKI	5		1		9		5		A2
3	15NM1A0403	ANUMPALLI JHANSI	1		9		11		3		B2
4	15NM1A0404	A YASODA SRIDEVI		3	1		7		5		C2
5	15NM1A0405	A BHARATHI LAKSHMI		5		1	3		3		K1
6	15NM1A0406	AYENAMPUDI ALEKHYA		3	3		9		5		D2
7	15NM1A0407	BADDI VIJAYA	1		1		3		3		A3
8	15NM1A0408	BANDARU SARANYA	7		1		1			3	A1
9	15NM1A0409	BARRI RAMA DEVI	1		5		3		5		B3
10	15NM1A0410	B K VIJAYA LAKSHMI	7		3		5		3		B1
11	15NM1A0411	BASANGI SHARUN ROJA	9		9		9		7		C1
12	15NM1A0412	BASWA RAJANI	5		9		5		1		C3
13	15NM1A0413	B S KATYAYANI	1		7		1		3		D3
14	15NM1A0414	BODDAPU PRIYANKA	5			1	3			7	E3
15	15NM1A0415	B SANDHYAREKHA	1			7		1		3	F3
16	15NM1A0416	BUGATHA LEELA		5		5	3		1		J1
17	15NM1A0417	CHANDAKA VASAVI	1		1			3	3		G3
18	15NM1A0418	CHAPPA PADMINI	1			3		1	1		H3
19	15NM1A0419	CHILAKA LALITA LAVANYA	3			3		1	7		A4
20	15NM1A0420	CHINTALA MOUNICA		1	1			5		7	E2
21	15NM1A0421	CHITIMISSETTI HARITHA		1		1		1	1		L1
22	15NM1A0422	CHUKKA SHYAMALA	1			7	1		3		A5
23	15NM1A0423	DADI LOHITHA LAHARI		5	1	5				5	B4
24	15NM1A0424	DAMA MANASA	1		3			1		1	I3
25	15NM1A0425	DANDA JAHNAVI		9		1		3	1		I1
26	15NM1A0426	D SAI KRISHNA SRAVANTHI	5		1			3		3	D1
27	15NM1A0427	DOKALA ANUSHA	3			1		3		1	E1
28	15NM1A0428	DUNGA VENKATA PAVANI		3		3	7			1	F2
29	15NM1A0429	GANAGALA DIVYASRI	3		1		1			3	C4

30	15NM1A0430	GANDRETI KANAKA DIVYA	1			1	1		1		G2
31	15NM1A0431	GANTLA POOJITHA		1		5	7		3		H2
32	15NM1A0432	GEDELA RENUKA		3	5		5			1	J3
33	15NM1A0433	GOGULAMUDI POOJA		3	1		7		9		K3
34	15NM1A0434	GOLLAHOTI MANI DEEPIKA		5	1		1			3	H1
35	15NM1A0435	GOLLAVILLI REVATHI	1			3	5		3		B5
36	15NM1A0436	GONTINA ROHITA KRISHNA	1		1			5		3	I2
37	15NM1A0437	GORLE AKHILA		7	7		3			1	C5
38	15NM1A0438	GUNDALA SANTHI	1		3		3		1		F1
39	15NM1A0439	GUNDALA SRAVANTHI		5	5		5			3	G1
40	15NM1A0440	GURUGUBELLI MADHURI		5		5		3	5		L3
41	15NM1A0441	I VENKATA SAKUNTALA		1		1	3		3		M3
42	15NM1A0442	INDURI RAMANI	3			1	5		3		N3
43	15NM1A0443	JADDU AMMADU	3		1		3			5	D4
44	15NM1A0444	J G REIKI PRATHYUSHA		3		5		3		3	D5
45	15NM1A0445	K BINDUPRIYA		1		7		3		5	J4
46	15NM1A0446	K LAKSHMI PRASANNA	1		3		1		3		K4
47	15NM1A0447	KALLEPALLI SAI MOUNICA	5			3	5		7		L4
48	15NM1A0448	KAMUJU TEJASRI	7		3		3		7		M4
49	15NM1A0449	KANDIPALLI SARIKA	7		11		9		7		N4
50	15NM1A0450	K MANJU BHARGAVI	1			3	1			3	E4
51	15NM1A0451	KANITHI MAMATHA	3			3		1		3	F4
52	15NM1A0452	KANTE SUMA		1		1	5		1		E5
53	15NM1A0453	KANURI MAMATHA		1	1		1			1	N2
54	15NM1A0454	KARAKA POORNA	5			1	9			1	K2
55	15NM1A0455	KARANAM SRAVANI	3		5			3	1		J1
56	15NM1A0457	K NAGA VARALAKSHMI	3		1		5		5		F5
57	15NM1A0458	KOINANA ANITHA	5		1		1			1	M2
58	15NM1A0459	K CHARISHMA DEVI		11		9		11		11	G4
59	15NM1A0460	KORADA GEETHA MADHURI		3	3			3	1		G5

60	15NM1A0461	KORIBILLI SRAVANI		7		1	3			1	M1
61	15NM1A0462	KOVAGAPU RAMYA		3	3			1	5		H5
62	16NM5A0401	ADDURI HYNDHAVI		1	1			1		1	I5
63	16NM5A0402	B L AMRUTHA VARSHINI		3	3			3		5	H4
64	16NM5A0403	BONGU SUNEETHA	1		5		1			7	I4
65	16NM5A0404	BOTTA PAVITHRA		1	5		3			1	J5
66	16NM5A0405	BUSKALA SRAVANI	11		11		11		11		N1

Regd. No	Name of the Student	Team ID	TEAM
15NM1A0408	BANDARU SARANYA	A1(L)	A
15NM1A0402	ANDIBOYINA JANAKI	A2	
15NM1A0407	BADDI VIJAYA	A3	
15NM1A0419	CHILAKA LALITA LAVANYA	A4	
15NM1A0422	CHUKKA SHYAMALA	A5	
15NM1A0410	BASA KAVYA VIJAYA LAKSHMI	B1(L)	B
15NM1A0403	ANUMPALLI JHANSI	B2	
15NM1A0409	BARRI RAMA DEVI	B3	
15NM1A0423	DADI LOHITHA LAHARI	B4	
15NM1A0435	GOLLAVILLI REVATHI	B5	
15NM1A0411	BASANGI SHARUN ROJA	C1(L)	C
15NM1A0404	ARISANKALA YASODA SRIDEVI	C2	
15NM1A0412	BASWA RAJANI	C3	
15NM1A0429	GANAGALA DIVYASRI	C4	
15NM1A0437	GORLE AKHILA	C5	
15NM1A0426	DATLA SAI KRISHNA SRAVANTHI	D1(L)	D
15NM1A0406	AYENAMPUDI ALEKHYA	D2	
15NM1A0413	B SHANMUKALAKSHMI KATYAYANI	D3	
15NM1A0443	JADDU AMMADU	D4	

15NM1A0444	JALLEPALLI GAYATHRI REIKI PRATHYUSHA	D5	
15NM1A0427	DOKALA ANUSHA	E1(L)	E
15NM1A0420	CHINTALA MOUNICA	E2	
15NM1A0414	BODDAPU PRIYANKA	E3	
15NM1A0450	KANDULA MANJU BHARGAVI	E4	
15NM1A0452	KANTE SUMA	E5	
15NM1A0438	GUNDALA SANTHI	F1(L)	F
15NM1A0428	DUNGA VENKATA PAVANI	F2	
15NM1A0415	BODDEPALLI SANDHYAREKHA	F3	
15NM1A0451	KANITHI MAMATHA	F4	
15NM1A0457	KARRI NAGA VARALAKSHMI	F5	
15NM1A0439	GUNDALA SRAVANTHI	G1(L)	G
15NM1A0430	GANDRETI KANAKA DIVYA	G2	
15NM1A0417	CHANDAKA VASAVI	G3	
15NM1A0459	KOLAPARTHY CHARISHMA DEVI MARIYAMMA	G4	
15NM1A0460	KORADA GEETHA MADHURI	G5	
15NM1A0434	GOLLAKOTI MANI DEEPIKA	H1(L)	H
15NM1A0431	GANTLA POOJITHA	H2	
15NM1A0418	CHAPPA PADMINI	H3	
16NM5A0402	BOGGU LEELA AMRUTHA VARSHINI	H4	
15NM1A0462	KOVAGAPU RAMYA	H5	
15NM1A0425	DANDA JAHNAVI	I1(L)	I
15NM1A0436	GONTINA ROHITA KRISHNA	I2	
15NM1A0424	DAMA MANASA	I3	
16NM5A0403	BONGU SUNEETHA	I4	
16NM5A0401	ADDURI HYNDHAVI	I5	
15NM1A0416	BUGATHA LEELA	J1(L)	J
15NM1A0455	KARANAM SRAVANI	J1	
15NM1A0432	GEDELA RENUKA	J3	

15NM1A0445	KADHAMBRAM BINDUPRIYA	J4	
16NM5A0404	BOTTA PAVITHRA	J5	
15NM1A0405	AVULLA BHARATHI LAKSHMI	K1(L)	K
15NM1A0454	KARAKA POORNA	K2	
15NM1A0433	GOGULAMUDI POOJA	K3	
15NM1A0446	KALAGA LAKSHMI PRASANNA	K4	
15NM1A0401	ALLAVARAPU GANESWARI RUPAVATHI	K5	
15NM1A0421	CHITIMISSETTI HARITHA	L1(L)	L
15NM1A0440	GURUGUBELLI MADHURI	L2	
15NM1A0447	KALLEPALLI SAI MOUNICA	L3	
15NM1A0461	KORIBILLI SRAVANI	M1(L)	M
15NM1A0458	KOENANA ANITHA	M2	
15NM1A0441	ILLINDA VENKATA SAKUNTALA	M3	
15NM1A0448	KAMUJU TEJASRI	M4	
16NM5A0405	BUSKALA SRAVANI	N1(L)	N
15NM1A0453	KANURI MAMATHA	N2	
15NM1A0442	INDURI RAMANI	N3	
15NM1A0449	KANDIPALLI SARIKA	N4	

Assessment:

S.No	Regd. No.	Name of the student	Team No.	Individual Assessment (Problem Solving) (6M)		Collective Assessment (Quiz) 2M		Total (10M)
				Formative(3M)	Summative(3M)	Formative(2)	Summative(2)	
1	15NM1A0408	BANDARU SARANYA	A	2.5	2	2	2	8.5
2	15NM1A0402	ANDIBOYINA JANAKI		3	3			10
3	15NM1A0407	BADDI VIJAYA		3	2.5			9.5
4	15NM1A0419	CH LALITA LAVANYA		2	2.5			8.5
5	15NM1A0422	CHUKKA SHYAMALA		3	2			9
6	15NM1A0410	B K VIJAYA LAKSHMI	B	2.5	2	2	1.5	8
7	15NM1A0403	ANUMPALLI JHANSI		2.5	2.5			8.5
8	15NM1A0409	BARRI RAMA DEVI		3	2.5			9
9	15NM1A0423	DADI LOHITHA LAHARI		3	2			8.5
10	15NM1A0435	GOLLAVILLI REVATHI		2	2.5			8
11	15NM1A0411	BASANGI SHARUN ROJA	C	2.5	2	1.5	1.5	7.5
12	15NM1A0404	A YASODA SRIDEVI		3	2			8
13	15NM1A0412	BASWA RAJANI		3	2			8
14	15NM1A0429	GANAGALA DIVYASRI		2	2			8
15	15NM1A0437	GORLE AKHILA		3	3			9
16	15NM1A0426	D S KSRAVANTHI	D	3	3	1.5	2	9.5
17	15NM1A0406	AYENAMPUDI ALEKHYA		3	3			9.5
18	15NM1A0413	B S KATYAYANI		2.5	2			8
19	15NM1A0443	JADDU AMMADU		3	3			9.5
20	15NM1A0444	J G REIKI PRATHYUSHA		2.5	2			8

21	15NM1A0427	DOKALA ANUSHA	E	2.5	2.5	2	1.5	8.5
22	15NM1A0420	CHINTALA MOUNICA		3	2			8.5
23	15NM1A0414	BODDAPU PRIYANKA		3	2			8.5
24	15NM1A0450	K MANJU BHARGAVI		3	2.5			9
25	15NM1A0452	KANTE SUMA		2	2			7.5
26	15NM1A0438	GUNDALA SANTHI	F	2	2	2	1.5	7.5
27	15NM1A0428	D VENKATA PAVANI		3	2			8.5
28	15NM1A0415	B SANDHYAREKHA		3	3			9.5
29	15NM1A0451	KANITHI MAMATHA		2.5	2.5			8.5
30	15NM1A0457	K VARALAKSHMI		2	2			7.5
31	15NM1A0439	GUNDALA SRAVANTHI	G	3	2.5	2	1.5	9
32	15NM1A0430	GI KANAKA DIVYA		3	2.5			9
33	15NM1A0417	CHANDAKA VASAVI		3	2.5			9
34	15NM1A0459	K CHARISHMA DEVI		3	2.5			9
35	15NM1A0460	K GEETHA MADHURI		3	2			8.5
36	15NM1A0434	G MANI DEEPIKA	H	3	2	1.5	2	8
37	15NM1A0431	GANTLA POOJITHA		3	2			8
38	15NM1A0418	CHAPPA PADMINI		3	2			8
39	16NM5A0402	B L AMRUTHA VARSHINI		2	3			8.5
40	15NM1A0462	KOVAGAPU RAMYA		2	2			7.5
41	15NM1A0425	DANDA JAHNAVI	I	2	2	2	2	8
42	15NM1A0436	G ROHITA KRISHNA		2	2			8
43	15NM1A0424	DAMA MANASA		2.5	2.5			9
44	16NM5A0403	BONGU SUNEETHA		2.5	2.5			9
45	16NM5A0401	ADDURI HYNDHAVI		2.5	2.5			9

46	15NM1A0416	BUGATHA LEELA	J	2.5	2.5	2	2	9
47	15NM1A0455	KARANAM SRAVANI		3	3			10
48	15NM1A0432	GEDELA RENUKA		3	3			10
49	15NM1A0445	KADHAMBRAM BINDUPRIYA		3	3			10
50	16NM5A0404	BOTTA PAVITHRA		2	3			9
51	15NM1A0405	A BHARATHI LAKSHMI	K	2	2.5	2	2	8.5
52	15NM1A0454	KARAKA POORNA		2	2.5			8.5
53	15NM1A0433	GOGULAMUDI POOJA		2	2.5			8.5
54	15NM1A0446	KLAKSHMI PRASANNA		2	2			8
55	15NM1A0401	A G RUPAVATHI		3	3			10
56	15NM1A0421	CHITIMISSETTI HARITHA	L	2	3	2	2	9
57	15NM1A0440	G MADHURI		2.5	2.5			9
58	15NM1A0447	K SAI MOUNICA		2	2.5			8.5
59	15NM1A0461	KORIBILLI SRAVANI	M	3	3	2	2	10
60	15NM1A0458	KOINANA ANITHA		3	3			10
61	15NM1A0441	I VENKATA SAKUNTALA		2	2.5			8.5
62	15NM1A0448	KAMUJU TEJASRI		2	2.5			8.5
63	16NM5A0405	BUSKALA SRAVANI	N	3	3	2	2	10
64	15NM1A0453	KANURI MAMATHA		3	3			10
65	15NM1A0442	INDURI RAMANI		2	2.5			8.5
66	15NM1A0449	KANDIPALLI SARIKA		2	2.5			8.5

Activity Outcome- PO Mapping:

Activity Outcome	Mapping to PO's
<ul style="list-style-type: none">• Develop an input-output relationship for a linear shift invariant system and understand the convolution operator for continuous and discrete time system	PO1,PO2,PO3,PO5,PO12
<ul style="list-style-type: none">• Develop individual and teamwork to solve the response of linear systems.• Apply their ideas and thoughts during team discussion during deadlock.	PO1, PO2,PO3, PO9,PO10, PO12

Post Implications:

- Students actively participated in the activity
- Communication skills are improved
- Some students' confidence level for sharing the information in the class is improved