



K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109

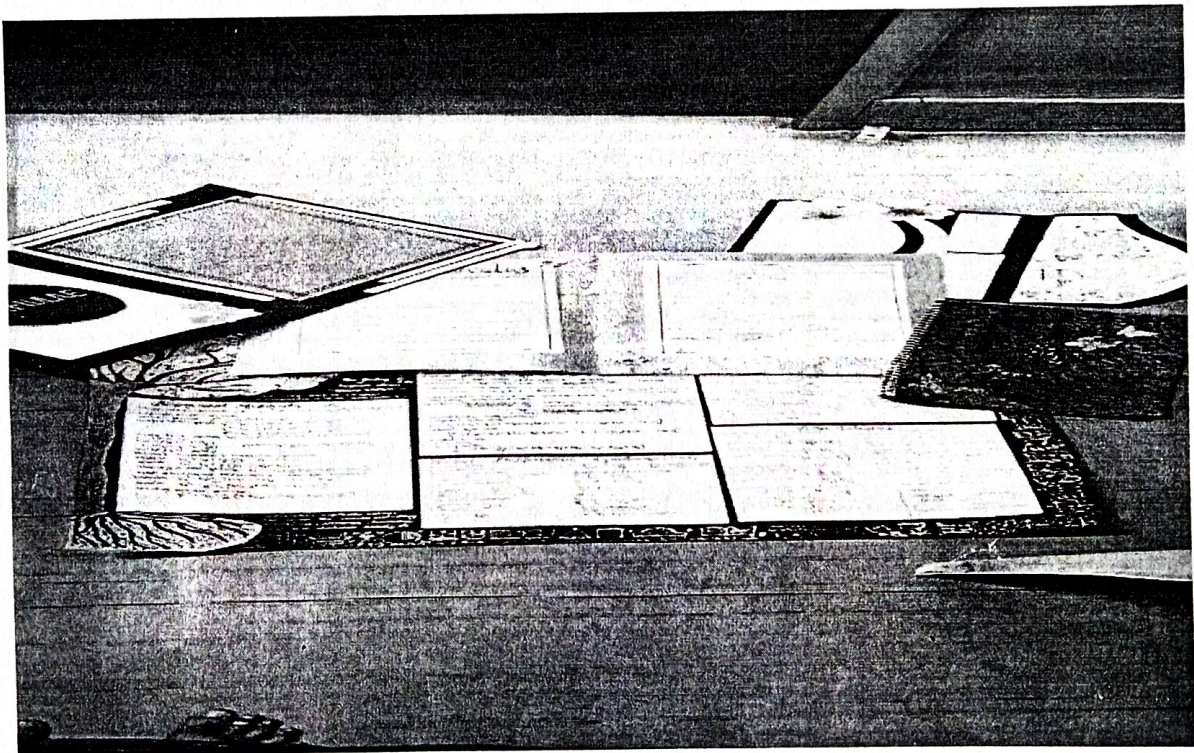
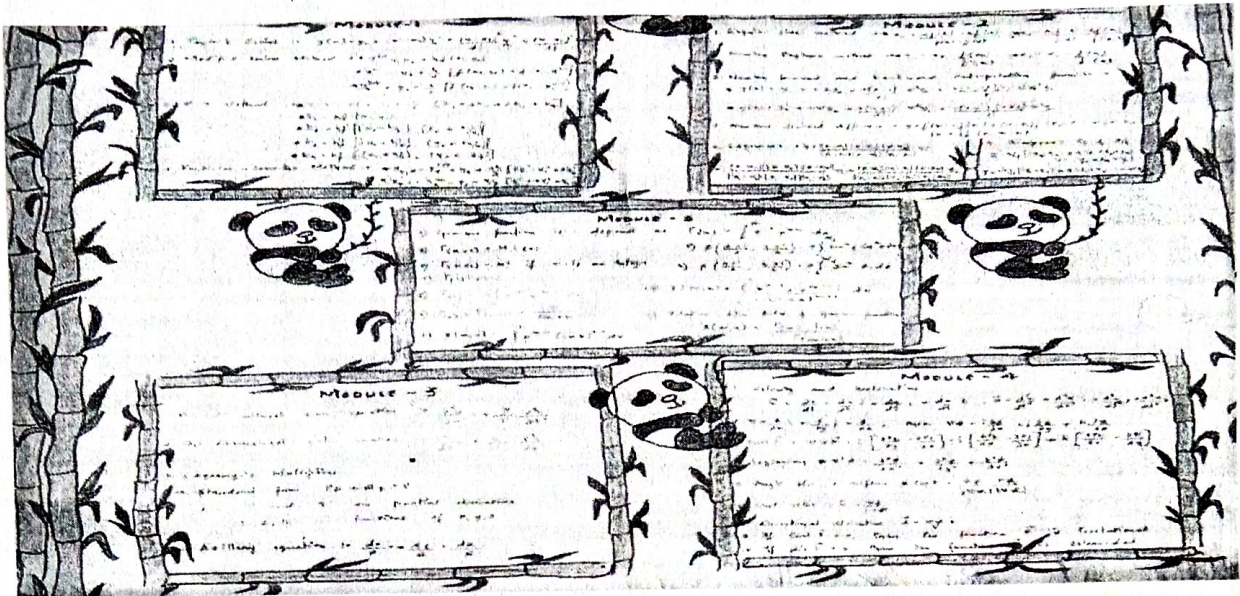
DEPARTMENT OF MATHEMATICS

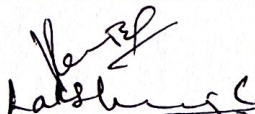
TEACHING AND LEARNING

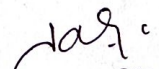
CONTENT BEYOND THE SYLLABUS

Academic Year	2021-22 (EVEN)
Name of the Faculty	Dr VENKATARAMANA B S/ LAKSHMI C
Course Name /Code	Course: COMPLEX ANALYSIS, PROBABILITY AND STATISTICAL METHODS / 18MAT41
Semester/Section	IV/A & B(ECE)
Activity Name	Poster Presentation
Topic Covered	COMPLEX ANALYSIS, PROBABILITY AND STATISTICAL METHODS
Date	22/8/2022
No. of Participants	112
Objectives/Goals	• To improve the self-learning skills of students • To improve the communication skills of students. • To improve the confidence level and memory of students
ICT Used	Classroom
Appropriate Method/Instructional materials/Exam Questions • Initially prepared charts. • Later students were asked to explain. • Students are informed to prepare innovatively so that we can analyze their creativity.	
Relevant PO's	9,10,12
Significance of Results/Outcomes	• Students tried to open up and improve their communication skills. • Around 60 Students prepared charts and delivered their presentation.
Reflective Critique	• The activity improved the learning, and communication skills of students • The activity provided a platform for students to interact with peers, improve their communication skills and work as individuals.

Proofs :




Signature of Course In charge


Signature of HOD



K.S. INSTITUTE OF TECHNOLOGY, BANGALORE – 560109

Dept. of Electronics & Communication Engg.

CONTENT BEYOND SYLLABUS POSTER PRESENTATION

Batch No.	Students in the batch		Assignment topic
	Roll No.	Name	
1	1KS20EC052	KUSUMA	LPF & HPF
2	1KS20EC048	KIRAN DEV	
3	1KS20EC026	ESHWAR BIRADAR	
4	1KS20EC055	MAHESH BIRADAR	
5	1KS20EC047	KEERTHANA	MONOSTABLE MULTIVIBRATOR
6	1KS20EC014	SAI SRUJITHA	
7	1KS20EC050	K PRATHIMA	
8	1KS20EC053	M ARCHANA	
9	1KS20EC042	JEEVITHA	INSTRUMENTATION AMPLIFIER
10	1KS20EC046	KAVYA	
11	1KS19EC026	ERAM	
12	1KS20EC054	MADIHA	
13	1KS20EC004	AJAY BG	COLPITS OSCILLATOR CRYSTAL OSCILLATOR
14	1KS20EC006	AKASH M	
15	1KS20EC009	BHARATH M	
16	1KS20EC021	DARSHAN KUMAR S	
17	1KS20EC002	ADITI DUBEY	SCHMITT TIGGER
18	1KS20EC008	BS HEMASHREE	
19	1KS20EC030	GANDHAMANI CM	
20	1KS20EC057	MEGHASHREE M	
21		HARSHITHA.J	
22	1KS20EC023	DHAMINI J	BAND PASS

23	1KS20EC025	DIVYA N	BAND REJECT
24	1KS20EC010	BHAVITHA B	
25	1KS19EC034	HIMA SHWETHA	
26	1KS20EC036	HARSHITHA N	INVERTING AND NON INVERTING AMPLIFIERS
27	1KS20EC034	HARSHITHA B L	
28		HARSHITHA N	
29	1KS20EC003	AFEFEFA SHARIEFF	RC PAHSE SHIFT OSCILLATOR HARTLEY OSCILLATOR
30	1KS20EC011	BHUVANESHWARI.K	
31	1KS20EC015	UMADEVI	
32	1KS20EC032	HARINI.K	
33	1KS20EC033	HARSHITH GOWDA AR	555 TIMER
34	1KS20EC041	JAYANTH H	
35	1KS20EC028	GAGAN HC	
36	1KS20EC012	CHAITANYA REDDY K	
37	1KS20EC043	AMSHUMANTH	DAC,
38	1KS20EC051	KUMAR K	
39	1KS20EC049	KIRAN V	
40	1KS20EC058	MOHAN	
41	1KS20EC020	DARSHAN K	CLASSIFICATION OF OUTPUT STAGES,CLASSA,B,AB,C
42	1KS20EC037	INCHARA P	
43	1KS20EC029	GAGANA B S	
44	1KS20EC038	CHAITANYA KRISHNA	
45	1KS20EC016	CHAYA S	APPLICATIONS OF 555 TIMER
46	1KS20EC013	CHAITRA	
47	1KS20EC027	BHAVANA	
48	1KS20EC031	GOMITHA	
49	1KS20EC040	JANHAVI	ASTABLE MULTIVIBRATOR

50	1KS20EC039	JAMUNA	ADC
51	1KS20EC045	KAVANA	
52	1KS20EC017	CHETHAN G	
53	1KS20EC018	CHETHAN KUMAR J	
54	1KS20EC019	CHETHAN KUMAR T	
55	1KS20EC01	ABHISHEK J	
56	1KS20EC0	BHARATH	

PO: Addressed : P09, P010, P012

Important dates:

Sl.No	Details	Date
1.	Date of issue of topics for presentation	Date: 21/5/2022
2.	If it is a poster presentation, the posters should be submitted in person by the batch of students.	Submission date : 8/7/22
3.	Presentation date [as per schedule shared]	Shared below
4.	Dates for Appeal/challenge(on or before)	16/8/22

Sl. No.	Details	Date
1.	Last date/time for submission of presentations (assignment)	Date : 8/7/22 Time : 8.30 Before (sharp)
2.	Presentation days	09/7/22, 16/7/22, 30/7/22
3.	If it is a poster presentation, the posters should be submitted in person by the batch of students on or before the mentioned date.	Date: 8/7/22


Course in charge


HoD



K.S. INSTITUTE OF TECHNOLOGY, BANGALORE – 560109

Department of Electronics & Communication Engg.

CONTENT BEYOND SYLLABUS – Analog Ckt- B section

POSTER PRESENTATION

Objective: Poster presentation Based on the Miniprojects

Batch No.	Roll No.	Assignment topic
1	1KS20EC78,69,74,82,115	Touch Indicator
2	1KS20EC79,83,94,97,98	Depth Measuring sensor
3	1KS20EC84,87,109, 114	Robot using Aurdino
4	1KS20EC80, 112, 1ks21EC401	Train Accident prevention using Aurdino
5	1KS20EC92,93,95,108	Temperature sensor using Arduino
6	1KS20EC 61,62,65,71	Lasor Security alarm system
7	1KS20EC 70,72,68,60	Rain Detection System
8	1KS20EC 102,110	Fire Alarm using Aurdino
9	1KS20EC103,105,10673	Motion Sensor
10	1KS20EC 111,113,117	Automatic Obstacle detection
11	1KS20EC 63,64,67	Automatic sensing light
12	1KS20EC 101,104,055	Automatic sanitizer dispenser
13	1KS20EC 76,77,107	Traffic light circuit
14	1KS20EC99,96,85	Security Alarm system

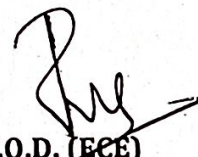
Important dates:

Sl.No	Details	Date
1.	Date of issue of topics for presentation	30-5-2022
2.	Last date for the submission of the presentation report OR If it is a poster presentation, the posters should be submitted in person by the batch of students.	13-8-2022
3	Presentation date [as per schedule shared]	16-8-22 17-8-22 18-8-22
4	Date of announcement of evaluation details for oral presentation/ poster presentation	Date: Group emailid:
5	Dates for Appeal/challenge (on or before)	

Sl. No.	Details	Date
1.	Last date/time for submission of presentations (assignment)	Date: 13-8-2022
		Time: Before 4 p.m.
2.	Presentation days	16-8-22 17-8-22 18-8-22
3.	If it is a poster presentation, the posters should be submitted in person by the batch of students on or before the mentioned date.	Date: 13-8-2022
4.	Date of announcement of results on the notice board and sent to your group email	Date: 22-8-2022
5.	Dates for Appeal/challenge (on or before)	24-8-2022



STAFF INCHARGE



H.O.D. (ECE)

CONTENT BEYOND SYLLABUS : Control System



K.S. INSTITUTE OF TECHNOLOGY, BANGALORE – 560109

Dept. of Electronics & Communication Engg.

3rd Assignment ASSIGNMENTS FORMAT & RUBRIC DETAILS

ASSIGNMENT TYPE: MINI PROJECT ASSIGNMENT FOR CONTROL SYSTEMS

Objective: Demonstration of working prototype using the concepts of Control System Engineering

Instruction to be followed:

1. The topic allotted or assigned must be from the course
2. The work given must be from Apply level onwards
3. This will address PO6, PO7 (DEPENDENT ON THE TOPIC) PO9, PO10, PO11 & PO12
4. Types of minor projects

Project type	Details
Mini project	To demonstrate working prototype or a model learnt in the course for a specific application

5. Process to assign and evaluate the assignments steps.

- Divide the students into batch of five
- Officially announce the batches & assignment topic for each batch. The topic selected must be from course.

Batch No.	Students in the batch	Assignment topic
	Roll No.	
1	1KS20EC0012,030,057	Obstacle Avoiding Robot using Arduino
2	1KS20EC004,06,09,021	Signal Jam
3	1KS20EC035,036,034,008	Automatic Street Light
4	1KS20EC042,046,054,026	Finger Print Based Bank Locker System
5	1KS20EC089,91,27,37	Traffic Alert System for Blind
6	1KS20EC043,49,51,34	Letter Identification
7	1KS20EC023,25,10	Binary Counters using LED
8	1KS20EC013,16,31,27	Water Level Indicator
9	1KS20EC032,15,38,17	Open Loop System
10	1KS20EC041,33,28,58	RFID Door Lock
11	1KS20EC011,03,12,20	Magnetic Elevator
12	1KS20EC040,39,45,19	3D Hologram Screen
13	1KS20EC014,47,50,53	Wireless Mobile Charger

14	1KS20EC026,48,52,56,55	Wireless Notice Board Using Bluetooth
15	1KS20EC078,69,74,82,115	Touch Indicator
16	1KS20EC079,83,94,97,98	Depth Measuring Sensor
17	1KS20EC084,87,109,114	Auridon 4in 1 Robot
18	1KS20EC080,112, 1KS21EC401	Train Accident Prevention Using Arduino
19	1KS20EC092,93,95,108	Temperature Sensor Using Arduino
20	1KS20EC061,62,65,71	Laser Security Alarm system
21	1KS20EC070,72,68,60	Rain Detection
22	1KS20EC0110,102	Arduino Fire Alarm
23	1KS20EC0103,105,106,73	Motion Sensor
24	1KS20EC111,113,117	Automatic Obstacle Detection
25	1KS20EC063,64,67	Automatic Sensing Light
26	1KS20EC101,104,055	Automatic Sanitizer Dispenser
27	1KS20EC076,77,107	Traffic Light Circuit
28	1KS20EC099,96,85	Security Alarm System

6. Preparation of project report

The project report should be of the following formats.

7. Cover page
8. Bonafide certificate
9. Content
10. Abstract
11. Introduction
12. The details of the project
13. Inferences and results
14. Conclusion
15. References

P. S.
Course Incharge

P. S.
HOD

K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109

Dept. of Electronics & Communication Engg.

Activity Details for Control System Course

Date: 8th Aug 2022

Batch Number	Title of the project	USN of team members	Problem identification & Formulation [5]	Explanation Skills & Viva voce [5]	Team contribution & project Management [5]	Modern Tools usage & lifelong learning [5]
1	TOUCH - INADICATOR	78, 69, 74, 82, 115				
2	HEIGHT OR DEPTH SENSOR MEASURING	079, 083, 94, 97, 98				
3	Aurdino 4 in 1 Robot	84, 87, 109, 114				
4	Traffic accident Prevention using Aurdino	80, 112, 401	5	4	5	5 (19)
5	temperature sensor using aurdino	92, 93, 95, 108				
6	IR motion sensor using Aurdino	103, 105, 106, 73				
7	door security alarm system	61, 62, 65, 71	4	4	5	5 (18)
8	Rain detector	40, 42, 68, 60	4	4	5	5 (18)
9	Aurdino fire alarm system	110, 102	5	4	5	5 (19)
10						

Dr. Divyesh Kumar D.S.

Dr. Divyesh Kumar D.S.

Dr. Divyesh Kumar D.S.

Dr. Divyesh Kumar D.S.

Dr. Divyesh Kumar D.S.

K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109

Dept. of Electronics & Communication Engg.

Date: 8th Aug 2022

Activity Details for Control System Course

Batch Number	Title of the project	USN of team members	Problem identification & Formulation [5]	Explanation Skills & Viva voce [5]	Team contribution & project Management [5]	Modern Tools usage & lifelong learning [5]
1	TOUCH IN RICATOR	78, 69, 115, 74, 82, 115	4	4	5	5
2	HEIGHT OR DEPTH SENSOR MEASURING	079, 083, 914, 91, 98	4	4	4	4
3	Arduino & in 1 Robot	84, 87, 109, 114	2	3	3	2
4	Train accident Prevention using Arduino	80, 112, 110, 1				
5	temperature sensor using arduino	92, 93, 95, 108	3	3	4	4
6	Flame sensor	110, 102				
7	Motion sensor using Icm358	103, 105, 106, 112	3	3	5	3
8	Automatic obstacle detection	111, 113, 117	3	3.5	4	4
9	Automatic sensing light	63, 64, 67	4	3	4	3.5
10						

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K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109

Dept. of Electronics & Communication Engg.

Activity Details for Control System Course

Date: 8th Aug 2022

Batch Number	Title of the project	USN of team members	Problem identification & Formulation [5]	Explanation Skills & Viva voce [5]	Team contribution & project Management [5]	Modern Tools usage & lifelong learning [5]
20	Signal jammer	1KS20EC049 1KS20EC021 1KS20EC004 1KS20EC006 1KS20EC024	4	2	4	2
13	Water level Indicator	1KS20EC016 1KS20EC013 1KS20EC027 1KS20EC031	2	2	2	2
8	Surveillance Car	1KS20EC043 1KS20EC051 1KS19EC034 1KS20EC049	4	3	3	2
12	Distance measurement using ultrasonic sensor	1KS20EC046 1KS20EC042 1KS20EC054 1KS20EC026	3	3	4	2
15	Smart dust bin	1KS20EC023 1KS20EC025 1KS20EC010	4	4	4	2
13	IOT BASED AUTOMATION For smart home	1KS20EC036 1KS20EC035 1KS20EC034 1KS20EC008	4	4	3	2
27	wireless mobile bagging using blue tooth	1KS20EC026 1KS20EC048 1KS20EC052 1KS20EC055 1KS20EC052	4	4	4	3
28	wireless mobile charger	1KS20EC053 1KS20EC014 1KS20EC050 1KS20EC044	3	3	3	2
29	Obstacle avoiding robot	1KS20EC002 1KS20EC030 1KS20EC057	3	2	3	2
30	Automatic street light	003 011 012	4	3	4	2

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K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109

Dept. of Electronics & Communication Engg.

Activity Details for Control System Course

Date: 8th Aug 2022

Batch Number	Title of the project	USN of team members	Problem identification & Formulation [5]	Explanation Skills & Viva voce [5]	Team contribution & project Management [5]	Modern Tools usage & lifelong learning [5]
32	Automatic Street light & mosquito repellent circuit - soil moisture detector	1KS20EC003 1KS20EC011 1KS20EC012 1KS20EC020 1KS20EC029 1KS20EC037 1KS20EC089 1KS20EC091	3	3	4	2
33			2	3	3	2
34						
35						
36						

Judges,

Dr Chanda V-Reddy

Dr. Sridharshan



**K.S. INSTITUTE OF TECHNOLOGY, BANGALORE -
560109**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
TEACHING AND LEARNING
CONTENT BEYOND SYLLABUS**

Academic Year	2021-22 (Even)
Name of the Faculty	Mrs. Bhargavi Ananth
Course Name /Code	Engineering Statistics and Linear Algebra (18EC44)
Semester/Section	IV/A &B
Activity Name	Literature Survey
Topic Covered	Random Variables, Random Processes, Linear Algebra
Date	03/08/2022 – 03/09/2022
No. of Participants	60
Objectives/Goals	• To improve the self-learning skills of students • To improve the communication skills of students.
ICT Used	Mobile/Laptop, Microsoft PowerPoint
Appropriate Method/Instructional materials/Exam Questions • Initially delivered lecture on given topics. • Later students were given a survey paper which had to be understood by a group of 4-5 students and present their understanding	
Relevant PO's	4,6,9,10,12
Significance of Results/Outcomes	• Students tried to open up and develop self learning and communication skills. • 10 groups prepared PPTs and delivered their presentation.
Reflective Critique	• The activity improved the learning, and communication skills of students • The activity provided a platform for students to interact with peers, improve their communication skills and work as individuals.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belgavi-590018

REPORT FOR ENGINEERING STATISTICS & LINEAR ALGEBRA ON

An Estimate of the Probability Density Function of the Sum of a Random Number N of Independent Random Variables



Submitted by

NAME:

USN:

VAISHNAVI. V.H

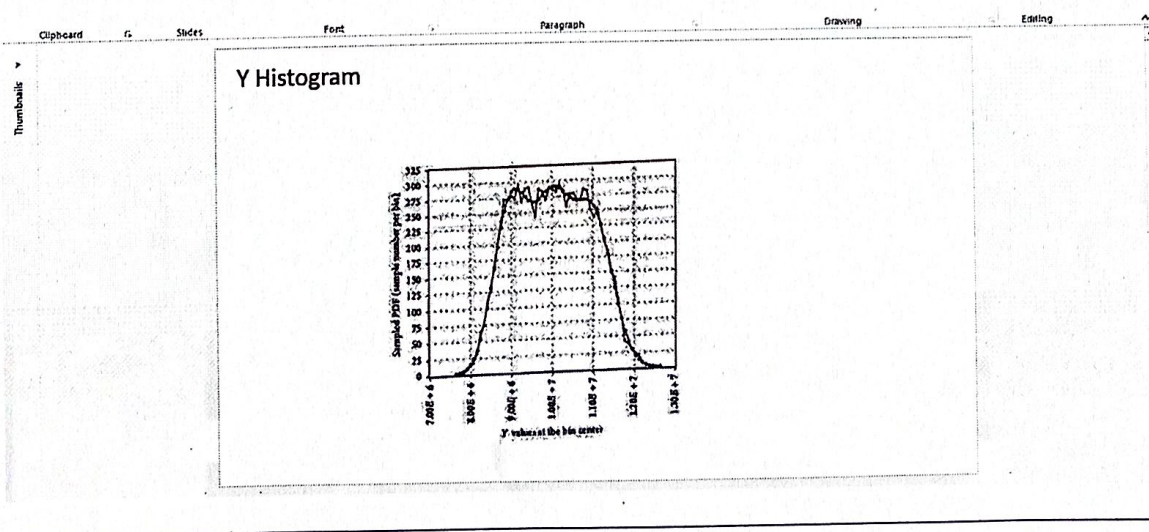
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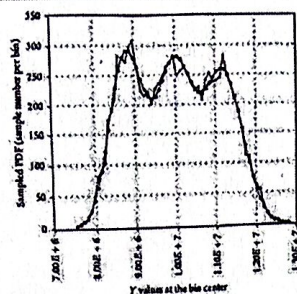
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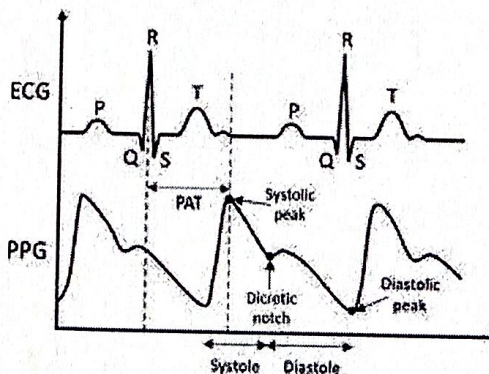
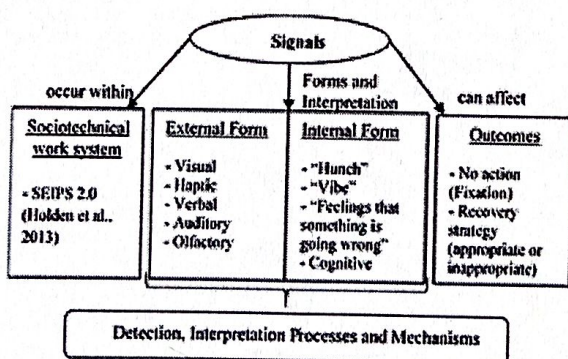
Signature of Course In charge
ECE

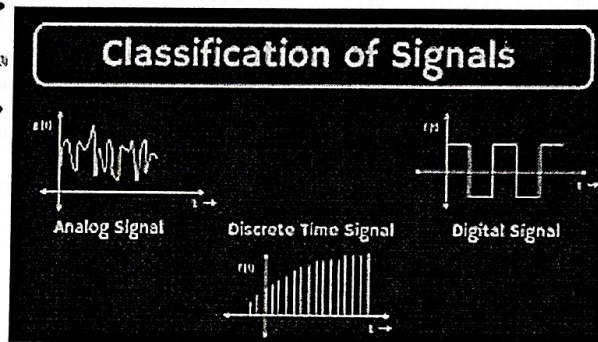
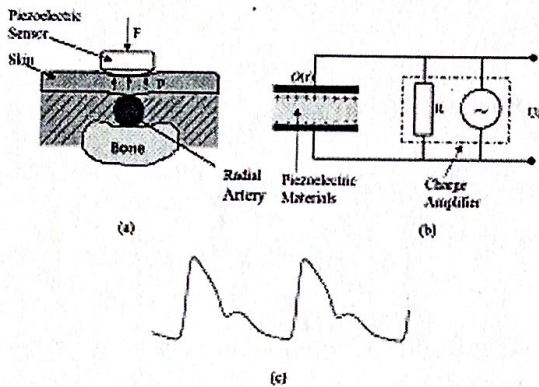
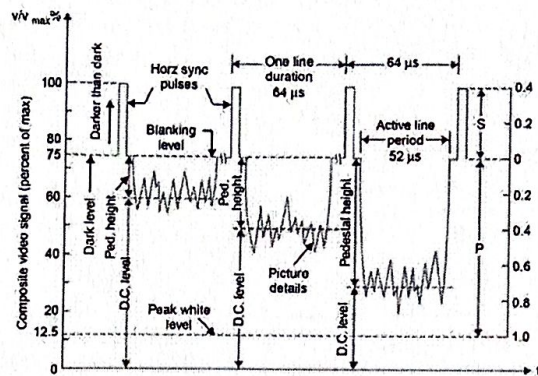
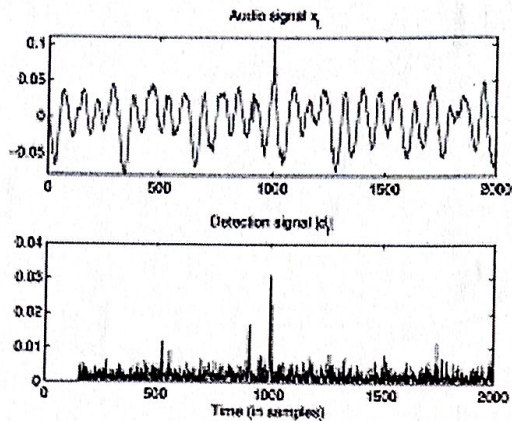
Signature of HOD



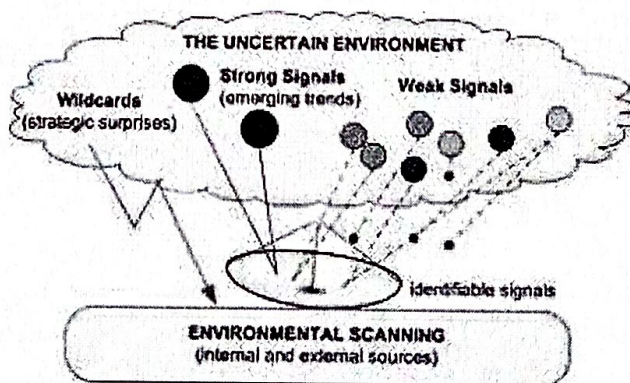
K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
Content Beyond syllabus

Academic Year	2021-22 (Even)
Name of the Faculty	Jayasudha B S K
Course Name /Code	Signals and Systems(18EC45)
Semester/Section	IV A & B
Activity Name	E-Poster presentation-You can Visualize!
Topic Covered	Signals in different domains/applications
Date	20/6/2022
No. of Participants	116
Objectives/Goals	To make students learn actively by creating e posters on signals in different domains/applications
Materials Used	mobile/Laptop, ppt
Built the creativity skills of students by preparing and presenting E-posters.	
Relevant PO's PO6, PO7, PO9 PO10,PO12	
Significance of results/outcomes Students presented E-posters on signals which helped them build knowledge on types of signals, signals in different domain (time, Frequency), and applications in health, audio, video, Environmental signals. Visualizations helped them understand better.	
Reflective critique Hands on skills creating posters, good understanding of concepts.	
Relevant PO's PO6, PO7, PO9 PO10,PO12	





	Analog	Digital
Signal	Analog signal is a continuous signal which represents physical phenomenon.	Digital signals are discrete time signals which represent physical phenomenon by digital modulation.
Wave	Described by sine waves.	Described by square waves.
Representation	Uses continuous range of values to represent information.	Uses discrete or discontinuous values to represent information.
Example	Human voice in air, analog electronic devices.	Computers, CDs, DVDs, and other digital electronic devices.
Technology	Analog technology converts as they are.	Samples analog, converts into a limited set of numbers and records them.
Data transmission	Subjected to deterioration by noise during transmission and wireless cycle.	Can be noise-resistant without deterioration during transmission and wireless cycle.
Response to noise	More likely to get affected reducing accuracy.	Less affected, used noise response are making it better.
Flexibility	Analog hardware is not flexible.	Digital hardware is flexible in reprogrammation.
Uses	Can be used in analog devices only. Best suited for audio and video transmission.	Best suited for computing and digital electronics.
Applications	Thermometer.	PCs, PDAs.



Signature of Course In charge

Signature of HOD



K.S. INSTITUTE OF TECHNOLOGY, BANGALORE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGG

Course:MC/18EC46

Sem:3rd

Sec:A

Content beyond the Syllabus - Presentation

Prepare PPT or Word file to Present these topics

Sl. No	USN	Name of the Student	
1	1KS19EC026	ERAM FATHIMA	1.External Memory (ROM & RAM) interfacing (3 Example) 2. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status. (1 ALP Program) 3. Simple Serial Port programming in Assembly and C to transmit a message and to receive data serially.
2	1KS19EC034	HIMA SWETHA S	1. Internal Memory organization 2. Addressing Modes 3. Simple Serial Port programming in Assembly and C to transmit a message and to receive data serially.
3	1KS20EC001	ABHISHEK J	1. External Memory (ROM & RAM) interfacing (3 example) 2. Addressing Modes 3. Interfacing 8051 with LCD and Stepper motor
4	1KS20EC002	ADITI DUBEY	1. Branch instructions, Bit manipulation instructions 2. 8051 Stack, Stack and Subroutine instructions. 3. Assembly language programming to generate a pulse using Mode-1 (2 example)
5	1KS20EC003	AFFEEFA SHARIEFF	1. Interrupts: 8051 Assembly language programming to generate an external interrupt using a switch 2. Assembly language program examples on subroutine and involving loops (2 example) 3. Simple Serial Port programming in Assembly and C to transmit a message and to receive data serially.
6	1KS20EC004	AJAY B G	1. External Memory (ROM & RAM) interfacing (3 Example) 2. Simple Serial Port programming in Assembly and C to transmit a message and to receive data serially 3. Assembly language programming to generate a square wave using Mode-2 on a port pin. (2 example).
7	1KS20EC006	AKASH M	1. Interrupts: 8051 Assembly language programming to generate an external interrupt using a switch 2. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status 3. Simple Serial Port programming in Assembly and C to transmit a message and to receive data serially.
8	1KS20EC008	B.S. HEMASHREE	1. External Memory (ROM & RAM) interfacing (3 Example) 2. Addressing Modes 3. Assembly language programming to generate a pulse using Mode-1 (2 example)
9	1KS20EC009	BHARATH M	1. 8051 Architecture- Registers, Pin diagram 2. Internal Memory organization 3. External Memory (ROM & RAM) interfacing (3 Example)
10	1KS20EC010	BHAVITHA B	1. Assembly language program examples on subroutine and involving loops (2 example). 2. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status (2 example). 3. Interrupts: 8051 Assembly language programming to generate an external interrupt using a switch

11	IKS20EC011	BHUVANESHWARI	1. 8051 Timers and Counters – Operation and Assembly language programming to generate a pulse using Mode-1 2. 8051 C programming to generate a square waveform on a port pin using a Timer interrupt(2 example).3.Simple Serial Port programming in Assembly and C to transmit a message and to receive data serially.
12	IKS20EC012	CHAITANYA.K	1.1.Interrupts. 8051 Assembly language programming to generate an external interrupt using a switch 2. External Memory (ROM & RAM) interfacing (3 Example) 3. Addressing Modes
13	IKS20EC013	CHAITHRA K	1. 8051 Interrupts. 8051 Assembly language programming to generate an external interrupt using a switch 2. 8051 Timers and Counters -- Operation and Assembly language programming to generate a pulse using Mode-1 . 3. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status
14	IKS20EC014	CHALLAGUNDA SAI SRUJITHA	1. External Memory (ROM & RAM) interfacing (3 Example). 2. Simple Serial Port programming in Assembly and C to transmit a message and to receive data serially. 3. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status.
15	IKS20EC015	CHALLAGUNDA UMADEVI	1.Branch instructions, Bit manipulation instructions. Simple Assembly language program examples (without loops) to use these instructions 2.Assembly language program examples on subroutine and involving loops. 3.Assembly language programming to generate a pulse using Mode-1 and a square wave using Mode-2 on a port pin
16	IKS20EC016	CHAYA S	1.Internal Memory organization. External Memory (ROM & RAM) interfacing. 2.Addressing Modes 3.Simple Serial Port programming in Assembly and C
17	IKS20EC017	CHETHAN G	1.External Memory (ROM & RAM) interfacing (3 example) 2.Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status(2 example) 3.Interfacing 8051 with LCD and Stepper motor
18	IKS20EC018	CHETHAN KUMAR	1. 8051 Architecture- Registers, Pin diagram 2. External Memory (ROM & RAM) interfacing 3. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status(3 example).
19	IKS20EC019	CHETHAN KUMAR T	1. 8051 Timers and Counters – Operation and Assembly language programming to generate a pulse using Mode-1. 2. Interrupts. 8051 Assembly language programming to generate an external interrupt using a switch 3.. External Memory (ROM & RAM) interfacing.(3 Example)
20	IKS20EC020	DARSHAN K	1. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status 2. Branch instructions, Bit manipulation instructions. Simple Assembly language program examples (without loops) to use these instructions. 3. Assembly language program examples on subroutine and involving loops
21	IKS20EC021	DARSHAN KUMAR S	1. 8051 C programming to generate a square waveform on a port pin using a Timer interrupt 2. Simple Serial Port programming in Assembly and C to transmit a message and to receive data serially 3. Assembly language programming to generate a pulse using Mode-1 and a square wave using Mode-2 on a port pin
22	IKS20EC023	DHAMINI J	1. Interfacing 8051 to ADC-0808 ,Stepper motor and their 8051 Assembly language interfacing programming 2.RS- 232 standard, 9 pin RS232 signals 3. Assembly language programming to generate a square wave using Mode- 2 on a port pin.
23	IKS20EC024	DHRUVA KUMAR S	1.External Memory (ROM & RAM) interfacing.(3 Example) 2. 8051 Interrupts. 8051 Assembly language programming to generate an external interrupt using a switch 3.. 8051 Timers and Counters – Operation and Assembly language programming to generate a pulse using Mode-1.

24	1KS20EC025	DIVYA N	1. Interfacing 8051 to ADC-0808 ,Stepper motor and their 8051 Assembly language interfacing programming 2.Interrupts. 8051 Assembly language programming to generate an external interrupt using a switch 3.Assembly language programming to generate a square wave using Mode- 2 on a port pin.
25	1KS20EC026	ESHWAR BIRADAF	1.Branch instructions, Bit manipulation instructions 2. 8051 Stack, Stack and Subroutine instructions. 3. Assembly language programming to generate a pulse using Mode-1(2 example)
26	1KS20EC027	G BHAVANA PRIVADARSHINI	1.Interrupts. 8051 Assembly language programming to generate an external interrupt using a switch 2.Assembly language program examples on subroutine and involving loops(2 example).3.Simple Serial Port programming in Assembly and C to transmit a message and to receive data serially.
27	1KS20EC028	GAGAN H C	1.External Memory (ROM & RAM) interfacing (3 Example) 2.Simple Serial Port programming in Assembly and C to transmit a message and to receive data serially.3.Assembly language programming to generate a square wave using Mode- 2 on a port pin.(2 example).
28	1KS20EC029	GAGANA B S	1.Interrupts. 8051 Assembly language programming to generate an external interrupt using a switch 2. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status 3. Simple Serial Port programming in Assembly and C to transmit a message and to receive data serially.
29	1KS20EC030	GANDHAMANI C M	1.External Memory (ROM & RAM) interfacing (3 Example) 2. Addressing Modes 3. Assembly language programming to generate a pulse using Mode-1(2 example)
30	1KS20EC031	GOMITHA R C	1.External Memory (ROM & RAM) interfacing (3 Example) 2. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status. (1 ALP Program)
31	1KS20EC032	HARINI K	1.Internal Memory organization 2. Addressing Modes 3.Simple Serial Port programming in Assembly and C to transmit a message and to receive data serially.
32	1KS20EC033	HARSHITH GOWDA A R	1.External Memory (ROM & RAM) interfacing (3 example) 2.Addressing Modes 3. Interfacing 8051 with LCD and Stepper motor
33	1KS20EC034	HARSHITHA.B.L	1.Branch instructions, Bit manipulation instructions 2.8051 Stack, Stack and Subroutine instructions. 3. Assembly language programming to generate a pulse using Mode-1(2 example)
34	1KS20EC035	HARSHITHA J	1.Interrupts. 8051 Assembly language programming to generate an external interrupt using a switch 2.Assembly language program examples on subroutine and involving loops(2 example).3.Simple Serial Port programming in Assembly and C to transmit a message and to receive data serially.
35	1KS20EC036	HARSHITHA N	1.Interrupts. 8051 Assembly language programming to generate an external interrupt using a switch 2. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status 3.Simple Serial Port programming in Assembly and C to transmit a message and to receive data serially.
36	1KS20EC037	INCHARA.P	1.External Memory (ROM & RAM) interfacing (3 Example) 2. Addressing Modes 3. Assembly language programming to generate a pulse using Mode-1(2 example)
37	1KS20EC038	JAMPULA CHAITHANYA KRISHNA	1.External Memory (ROM & RAM) interfacing (3 Example) 2. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status. (1 ALP Program)

38	1KS20EC039	JAMUNA S G	1.Internal Memory organization. External Memory (ROM & RAM) interfacing. 2.Addressing Modes 3.Simple Serial Port programming in Assembly and C
39	1KS20EC040	JANHAVI R	1.External Memory (ROM & RAM) interfacing (3 example) 2.Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status(2 example) 3.Interfacing 8051 with LCD and Stepper motor
40	1KS20EC041	JAYANTH H	1.8051 Architecture- Registers, Pin diagram 2.External Memory (ROM & RAM) interfacing 3.Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status(3 example).
41	1KS20EC042	K.JEEVITHA	1.8051 Timers and Counters – Operation and Assembly language programming to generate a pulse using Mode-1. 2.Interrupts. 8051 Assembly language programming to generate an external interrupt using a switch 3..External Memory (ROM & RAM) interfacing (3 Example)
42	1KS20EC043	K M AMSHUMANTI	1.Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status 2.Branch instructions, Bit manipulation instructions. Simple Assembly language program examples (without loops) to use these instructions 3.Assembly language program examples on subroutine and involving loops
43	1KS20EC045	KAVANA.G.S	1.Interfacing 8051 to ADC-0808 ,Stepper motor and their 8051 Assembly language interfacing programming 2.RS- 232 standard, 9 pin RS232 signals 3.Assembly language programming to generate a square wave using Mode- 2 on a port pin.
44	1KS20EC046	KAVYA S M	1.Branch instructions, Bit manipulation instructions 2.8051 Stack, Stack and Subroutine instructions. 3.Assembly language programming to generate a pulse using Mode-1(2 example)
45	1KS20EC047	KEERTHANA.B.S	1.Interrupts. 8051 Assembly language programming to generate an external interrupt using a switch 2.Assembly language program examples on subroutine and involving loops(2 example).3.Simple Serial Port programming in Assembly and C to transmit a message and to receive data serially.
46	1KS20EC048	KIRAN DEV D	1.External Memory (ROM & RAM) interfacing (3 Example) 2.Simple Serial Port programming in Assembly and C to transmit a message and to receive data serially.3.Assembly language programming to generate a square wave using Mode- 2 on a port pin. (2 example).
47	1KS20EC049	KIRAN V NARAYAN	1.Interrupts. 8051 Assembly language programming to generate an external interrupt using a switch 2.Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status 3.Simple Serial Port programming in Assembly and C to transmit a message and to receive data serially.
48	1KS20EC050	KODIDELA PRATHIMA	1.External Memory (ROM & RAM) interfacing(3 Example) 2.Addressing Modes 3.Assembly language programming to generate a pulse using Mode-1(2 example)
49	1KS20EC051	KUMAR K G	1.Interfacing 8051 to ADC-0808 ,Stepper motor and their 8051 Assembly language interfacing programming 2.RS- 232 standard, 9 pin RS232 signals 3.Assembly language programming to generate a square wave using Mode- 2 on a port pin.
50	1KS20EC052	KUSUMA V R	1.Internal Memory organization. External Memory (ROM & RAM) interfacing. 2.Addressing Modes 3.Simple Serial Port programming in Assembly and C
51	1KS20EC053	M ARCHANA	1.External Memory (ROM & RAM) interfacing (3 example) 2.Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status(2 example) 3.Interfacing 8051 with LCD and Stepper motor

52	1KS20EC054	MADIHA	1. 8051 Architecture- Registers, Pin diagram 2.External Memory (ROM & RAM) interfacing 3. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status(3 example).
53	1KS20EC055	MAHESH BIRADAR	1. 8051 Timers and Counters – Operation and Assembly language programming to generate a pulse using Mode-1. 2. Interrupts. 8051 Assembly language programming to generate an external interrupt using a switch 3..External Memory (ROM & RAM) interfacing.(3 Example)
54	1KS20EC056	MANASWINI K M	1. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status 2. Branch instructions, Bit manipulation instructions. Simple Assembly language program examples (without loops) to use these instructions. 3. Assembly language program examples on subroutine and involving loops
55	1KS20EC057	MEGHA SHREE M	1.Branch instructions, Bit manipulation instructions 2. 8051 Stack, Stack and Subroutine instructions. 3. Assembly language programming to generate a pulse using Mode-1(2 example)
56	1KS20EC058	MOHAN KRISHNA	1. Interrupts. 8051 Assembly language programming to generate an external interrupt using a switch 2. Assembly language program examples on subroutine and involving loops(2 example). 3. Simple Serial Port programming in Assembly and C to transmit a message and to receive data serially.

*The allotted Presentation address PO6, PO7, PO9, PO10, PO11 & PO12

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Course: MC/18EC46		sem:3rd	sec:B
Content Beyond Syllabus – Presentation			
Sl. No	Sl. No	Name of the Student	Prepare PPT or Word file to Present these topics
1	1KMS20EC073	Rahul Krishnan V	1.External Memory (ROM & RAM) interfacing (3 Example) 2. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to, switch status (1 AIP Program) 3. Simple Serial Port programming in Assembly and C to transmit a message and to
2	1KMS20EC103	Sumukha S	1. Internal Memory organization 2. Addressing Modes 3. Simple Serial Port programming in Assembly and C to transmit a message and to receive data serially
3	1KMS20EC105	Tarun Prasanna	1. External Memory (ROM & RAM) interfacing (3 example) 2. Addressing Modes 3. Interfacing 8051 with LCD and Stepper motor
4	1KMS20EC106	Tejas N Reddy	1. Branch instructions, Bit manipulation instructions 2. 8051 Stack, Stack and Subroutine instructions. 3. Assembly language programming to generate a pulse using Mode-1/2 example)
5	1KMS20EC060	N Gowthami	1. Interrupts. 8051 Assembly language programming to generate an external interrupt using a switch 2. Assembly language program examples on subroutine and involving loops (2 example) 3. Simple Serial Port programming in Assembly and C to transmit a message
6	1KMS20EC068	Prema G	1. External Memory (ROM & RAM) interfacing (3 Example) 2. Simple Serial Port programming in Assembly and C to transmit a message and to receive data serially 3. Assembly language programming to generate a square wave using Mode-2 on a port pin (2
7	1KMS20EC070	Priyanka K	1. Interrupts. 8051 Assembly language programming to generate an external interrupt using a switch 2. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to, switch status 3. Simple Serial Port programming in Assembly and C to
8	1KMS20EC072	Pushpa D T	1. External Memory (ROM & RAM) interfacing (3 Example) 2. Addressing Modes 3. Assembly language programming to generate a pulse using Mode-1/2 example)
9	1KMS20EC080	Ramya	1. 8051 Architecture- Registers, Pin diagram 2. Internal Memory organization 3. External Memory (ROM & RAM) interfacing (3 Example)
10	1KMS20EC112	Varsha N	1. Assembly language program examples on subroutine and involving loops (2 example) 2. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status (2 example) 3. Interrupts. 8051 Assembly language programming to generate
11	1KMS21EC401	Sudeep	1. 8051 Timers and Counters- Operation and Assembly language programming to generate a pulse using Mode-1 2. 8051 C programming to generate a square waveform on a port pin using a Timer interrupt (2 example) 3. Simple Serial Port programming in
12	1KMS20EC092	Shakthi Anbazhagan M	1. 1. Interrupts. 8051 Assembly language programming to generate an external interrupt using a switch 2. External Memory (ROM & RAM) interfacing (3 Example) 3. Addressing Modes
13	1KMS20EC093	Sharath M	1. 8051 Interrupts. 8051 Assembly language programming to generate an external interrupt using a switch 2. 8051 Timers and Counters - Operation and Assembly language programming to generate a pulse using Mode-1 3. Interfacing simple switch and LED
14	1KMS20EC095	Shiva Reddy B A	1. External Memory (ROM & RAM) interfacing (3 Example) 2. Simple Serial Port programming in Assembly and C to transmit a message and to receive data serially 3. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to
15	1KMS20EC108	Uday C H	1. Branch instructions, Bit manipulation instructions. Simple Assembly language program examples (without loops) to use these instructions 2. Assembly language program examples on subroutine and involving loops. 3. Assembly language programming to
16	1KMS20EC061	Neha CR	1. Internal Memory organization. External Memory (ROM & RAM) interfacing. 2. Addressing Modes 3. Simple Serial Port programming in Assembly and C
17	1KMS20EC062	Neha N	1. External Memory (ROM & RAM) interfacing (3 example) 2. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status (2 example) 3. Interfacing 8051 with LCD and Stepper motor
18	1KMS20EC065	Pavani TS	1. 8051 Architecture- Registers, Pin diagram 2. External Memory (ROM & RAM) interfacing 3. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status (3 example)
19	1KMS20EC071	Priyanka M	1. 8051 Timers and Counters- Operation and Assembly language programming to generate a pulse using Mode-1 2. Interrupts. 8051 Assembly language programming to generate an external interrupt using a switch 3. External Memory (ROM & RAM) interfacing (3
20	1KMS20EC085	Sadhana Srinivas	1. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status 2. Branch instructions. Bit manipulation instructions. Simple Assembly language program examples (without loops) to use these instructions 3. Assembly
21	1KMS20EC096	Shreya H	1. 8051 C programming to generate a square waveform on a port pin using a Timer interrupt 2. Simple Serial Port programming in Assembly and C to transmit a message and to receive data serially 3. Assembly language programming to generate a pulse using Mode-

22	1KS20EC099	Shweta Deepak K	1. Interfacing 8051 to ADC-0808, Stepper motor and their 8051 Assembly language interfacing programming 2. RS-232 standard, pin RS232 signals 3. Assembly language programming to generate a square wave using Mode-2 on a port pin
23	1KS20EC099	N shreya	1. External Memory (ROM & RAM) interfacing (3 Example) 2. 8051 Interrupts, 8051 Assembly language programming to generate an external interrupt using a switch 3. 8051 Timers and Counters - Operation and Assembly language programming to generate a
24	1KS20EC101	Sonika R	1. Interfacing 8051 to ADC-0808, Stepper motor and their 8051 Assembly language interfacing programming 2. Interrupts, 8051 Assembly language programming to generate an external interrupt using a switch 3. Assembly language programming to generate a
25	1KS20EC104	Suraksha N	1. Branch instructions, Bit manipulation instructions 2. 8051 Stack, Stack and Subroutine instructions. 3. Assembly language programming to generate a pulse using Mode-1/2 example
26	1KS20EC113	Vijayalakshmi K	1. Interrupts, 8051 Assembly language programming to generate an external interrupt using a switch 2. Assembly language program examples on subroutine and involving loops(2 example) 3. Simple Serial Port programming in Assembly and C to transmit a message
27	1KS20EC117	Yashitha S	1. External Memory (ROM & RAM) interfacing (3 Example) 2. Simple Serial Port programming in Assembly and C to transmit a message and to receive data serially 3. Assembly language programming to generate a square wave using Mode-2 on a port pin (2
28	1KS20EC111	Vaishnavi VH	1. Interrupts, 8051 Assembly language programming to generate an external interrupt using a switch 2. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status 3. Simple Serial Port programming in Assembly and C to transmit
29	1KS20EC066	Pradyumna kashyap	1. External Memory (ROM & RAM) interfacing (3 Example) 2. Addressing Modes 3. Assembly language programming to generate a pulse using Mode-1/2 example
30	1KS20EC075	Rajath K Achar	1. External Memory (ROM & RAM) interfacing (3 Example) 2. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status (1 AIP Program)
31	1KS20EC116	Vineeth M S	1. Internal Memory organization 2. Addressing Modes 3. Simple Serial Port programming in Assembly and C to transmit a message and to receive data serially
32	1KS20EC118	Yashwanth Shetye	1. External Memory (ROM & RAM) interfacing (3 example) 2. Addressing Modes 3. Interfacing 8051 with LCD and Stepper motor
33	1KS20EC084	Sachin N M	1. Branch instructions, Bit manipulation instructions 2. 8051 Stack, Stack and Subroutine instructions. 3. Assembly language programming to generate a pulse using Mode-1/2 example
34	1KS20EC087	Sandeep Y H	1. Interrupts, 8051 Assembly language programming to generate an external interrupt using a switch 2. Assembly language program examples on subroutine and involving loops(2 example) 3. Simple Serial Port programming in Assembly and C to transmit a message
35	1KS20EC109	Ujjwal Naidu	1. Interrupts, 8051 Assembly language programming to generate an external interrupt using a switch 2. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status 3. Simple Serial Port programming in Assembly and C to transmit
36	1KS20EC114	VINAY S P	1. External Memory (ROM & RAM) interfacing (3 Example) 2. Addressing Modes 3. Assembly language programming to generate a pulse using Mode-1/2 example
37	1KS20EC063	P Vasanth kumar	1. External Memory (ROM & RAM) interfacing (3 Example) 2. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to
38	1KS20EC064	Pavan C	1. Internal Memory organization, External Memory (ROM & RAM) interfacing 2. Addressing Modes 3. Simple Serial Port programming in Assembly and C
39	1KS20EC067	Praveen D B	1. External Memory (ROM & RAM) interfacing (3 example) 2. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status(2 example) 3. Interfacing 8051 with LCD and Stepper motor
40	1KS20EC076	Rakshit N M	1. 8051 Architecture- Registers, Pin diagram 2. External Memory (ROM & RAM) interfacing 3. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status(3 example)
41	1KS20EC077	Rakshit R	1. 8051 Timers and Counters- Operation and Assembly language programming to generate a pulse using Mode-1 2. Interrupts, 8051 Assembly language programming to generate an external interrupt using a switch 3. External Memory (ROM & RAM) interfacing (3
42	1KS20EC107	T Girish Chowdary	1. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status 2. Branch instructions, Bit manipulation instructions. Simple Assembly language program examples (without loops) to use these instructions. 3. Assembly
43	1KS20EC089	Sanjana G	1. Interfacing 8051 to ADC-0808, Stepper motor and their 8051 Assembly language interfacing programming 2. RS-232 standard, pin RS232 signals 3. Assembly language programming to generate a square wave using Mode-2 on a port pin
44	1KS20EC091	Sanjana T Gadikar	1. Branch instructions, Bit manipulation instructions 2. 8051 Stack, Stack and Subroutine instructions. 3. Assembly language programming to generate a pulse using Mode-1/2 example
45	1KS20EC102	Sumana N	1. Interrupts, 8051 Assembly language programming to generate an external interrupt using a switch 2. Assembly language program examples on subroutine and involving loops(2 example) 3. Simple Serial Port programming in Assembly and C to transmit a message
46	1KS20EC110	Vaishnavi A	1. External Memory (ROM & RAM) interfacing (3 Example) 2. Simple Serial Port programming in Assembly and C to transmit a message and to receive data serially 3. Assembly language programming to generate a square wave using Mode-2 on a port pin (2
47	1KS20EC069	Priyanka H C	1. Interrupts, 8051 Assembly language programming to generate an external interrupt using a switch 2. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status 3. Simple Serial Port programming in Assembly and C to transmit

48	1KS20EC074	Rahul R	1. External Memory (ROM & RAM) interfacing (3 Example) 2. Addressing Modes 3. Assembly language programming to generate a pulse using Mode-1 (2 example)
49	1KS20EC078	Rakshitha A	1. Interfacing 8051 to ADC-0808, Stepper motor and their 8051 Assembly language interfacing programming 2. RS-232 standard, pin RS232 signals 3. Assembly language programming to generate a square wave using Mode-2 on a port pin
50	1KS20EC082	Rohith A K	1. Internal Memory organization. External Memory (ROM & RAM) interfacing. 2. Addressing Modes 3. Simple Serial Port programming in Assembly and C
51	1KS20EC115	Vinay Sagar V Alur	1. External Memory (ROM & RAM) interfacing (3 example) 2. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status (2 example) 3. Interfacing 8051 with LCD and Stepper motor
52	1KS20EC079	Rameshwar	1. 8051 Architecture- Registers, Pin diagram 2. External Memory (ROM & RAM) interfacing 3. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status (3 example)
53	1KS20EC083	S Arun Kumar	1. 8051 Timers and Counters- Operation and Assembly language programming to generate a pulse using Mode-1. 2. Interrupts: 8051 Assembly language programming to generate an external interrupt using a switch 3. External Memory (ROM & RAM) interfacing (3 example)
54	1KS20EC094	Shashank S	1. Interfacing simple switch and LED to I/O ports to switch on/off LED with respect to switch status 2. Branch instructions, Bit manipulation instructions. Simple Assembly language program examples (without loops) to use these instructions. 3. Assembly language programming to generate a pulse using Mode-1 (2 example)
55	1KS20EC097	Shreyas M S	1. Branch instructions, Bit manipulation instructions 2. 8051 Stack, Stack and Subroutine instructions. 3. Assembly language programming to generate a pulse using Mode-1 (2 example)
56	1KS20EC098	Shreyas P S Rao	1. Interrupts: 8051 Assembly language programming to generate an external interrupt using a switch 2. Assembly language program examples on subroutine and involving loops (2 example) 3. Simple Serial Port programming in Assembly and C to transmit a message

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