2.2.1. Special Programmes for advanced learners and slow learners

Identification of Slow Learners and Advanced Learners

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NAAC ACCREDITED INSTITUTION

Department of Electronics &Communication Engineering

Regulation:- R20 A.Y:- 2021-22 Course:- II B.Tech I Sem Section-B

ADVANCED LEARNERS

S No	Roll No	Student Name	No of Backlogs
1	20JU1A0466	ARUNALA SAI YASASWINI	0
2	20JU1A0487	UMMAREDDY VENKATA BHAGYA LAKSHMI	0
3	20JU1A0493	NAKKA VENKATA PAVAN KUMAR	0
4	20JU1A0494	MODALA VENKATA SAHITHI	0
5	21JU5A0401	D KHADAR VALI	0
6	21JU5A0402	B GANGA RAJU	0

SIGNATURE OF FACULTY

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NAAC ACCREDITED INSTITUTION

Department of Electronics &Communication Engineering

Regulation:- R20 A.Y:- 2021-22 Course:- II B.Tech I Sem Section-B

WEEK LEARNERS

S No	Roll No	Student Name	No of Backlogs
1	20JU1A0461	YELURI SAI BHANU	6
2	20JU1A0462	CHERUKUPALLI SAI CHARAN	7
3	20JU1A0464	YERVA SAI KUMAR REDDY	6
4	20JU1A0467	VANGEPURAPU SANDEEP	6
5	20JU1A0468	POLA SANDEEP REDDY	7
6	20JU1A0474	SIVAPURAM SRAVAN	7
7	20JU1A0479	YERUVA SUJATHA	6
8	20JU1A0480	VAGICHERLA SUJAY RAGHAVENDRA	6
9	20JU1A0485	THUMBETI SWETHA	6
10	20JU1A0488	MUKKAMALLA VENKATA BHARGAVI	6
11	20JU1A0489	CHEEDELLA VENKATA CHETHAN	7
12	20JU1A0495	TADI VENKATA SRAVANA KUMAR	10
13	20JU1A0496	BALU VENKATESWARA REDDY	6
14	20JU1A0497	CHITTI REDDY VENKATESWARA REDDY	6
15	20JU1A04A1	THIRUMALA REDDY SUBHASH REDDY	6
16	20JU1A04A3	M POORNA CHANDRIKA	6
17	20JU1A04A5	MUKKAMALLA KAILASH REDDY	10
18	20JU1A04A8	BOGGU GANESH REDDY	8

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Department of Electronics &Communication Engineering

Regulation:- R20 A.Y:- 2021-22 Course:- II B.Tech I Sem Section-A

ADVANCED LEARNERS

S No	Roll No	Student Name	No of Backlogs
1	20JU1A0404	VUDUMULA ANIL KUMAR REDDY	0
2	20JU1A0407	KALLE BHAVANI	0
3	20JU1A0408	ANNEM BHUWNESHWARI DEVI	0
4	20JU1A0412	KOLLI GEETHA PRIYANKA	0
5	20JU1A0420	SYED HASEENA TAJ	0
6	20JU1A0438	ITHA MANIKANTA	0
7	20JU1A0453	MULA PRANAYINI	0

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Department of Electronics &Communication Engineering

Regulation:- R20 A.Y:- 2021-22 Course:- II B.Tech I Sem Section-A

WEEK LEARNERS

S No	Roll No	Student Name	No of Backlogs
1	20JU1A0402	MUDDETI AMARNATH	6
2	20JU1A0403	ANUMULA ANIL KUMAR	6
3	20JU1A0405	RUDRAPATI ASHOK KUMAR	6
4	20JU1A0409	BALLANI CHANDU	9
5	20JU1A0413	BASANI GNANA VISHNU PRIYA	6
6	20JU1A0414	BHEEMISETTY GOPI KRISHNA	6
7	20JU1A0423	VUTUKURI KAMESH	7
8	20JU1A0429	GRANDHI KRISHNA MAHESH	6
9	20JU1A0431	CHINTALACHERUVU LAKSHMI PRASANNA	7
10	20JU1A0444	GUNTAKA NAGI REDDY	10
11	20JU1A0454	BOGGU PRAVALIKA	6

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Schedule of Tutorial Classes and Topics Covered

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RECORD OF TUTORIAL CLASSES

Academic Year: 2021-22 (R19) **Class:** III B. Tech I-semester - ECE – (A&B)

SUBJECT: ELECTRONIC MEASUREMENTS & INSTRUMENTATION

TUTORIAL 1 : **UNIT-I: TOPICS COVERED**

- Static characteristics, Accuracy, Resolution, Precision, Error, Problems.
- Errors in Measurement, problems.
- Ohmmeters series type, problems.

TUTORIAL 2 : **UNIT-I: TOPICS COVERED**

- Dynamic Characteristics-speed of response, Fidelity, Lag and Dynamic error.
- DC Voltmeters- Multi-range, Problems.
- AC voltmeters shunt. Problems.

TUTORIAL 3 : **UNIT-II: TOPICS COVERED**

- Function Generators, Random noise Generators.
- Arbitrary waveform Generators, Wave Analyzers .

TUTORIAL 4 : **UNIT-II: TOPICS COVERED**

- Harmonic Distortion Analyzers.
- Spectrum Analyzers.
- Digital Fourier Analyzers.

TUTORIAL 5 : **UNIT-III: TOPICS COVERED**

- Oscilloscopes Block Diagram.
- vertical amplifiers, horizontal deflection system
- Probes for CRO- Active & Passive, attenuator type.

TUTORIAL 6 : **UNIT-III: TOPICS COVERED**

- Lissajous method of frequency measurement.
- Sampling oscilloscope, storage oscilloscope.
- Digital storage oscilloscope.

TUTORIAL 7 : **UNIT-IV: TOPICS COVERED**

- Wheat stone bridge, Measurement of very low resistance.
- Measurement of inductance Maxwell's bridge, Problems
- Anderson bridge, Problems.

TUTORIAL 8 : **UNIT-IV: TOPICS COVERED**

- Measurement of capacitance -Schearing Bridge.
- Wien Bridge, Problems.
- Errors and precautions in using bridges. Q-meter, Problems.

TUTORIAL 9 : **UNIT-V: TOPICS COVERED**

- Transducers- active & passive transducers
- Resistance, Capacitance, Inductance.
- LVDT, Piezo Electric transducers

TUTORIAL 10 : **UNIT-V: TOPICS COVERED**

- Measurement of physical parameters temperature
- Force, pressure, velocity.
- Acceleration and displacement

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A. Year: 2021-22 Year: III B tech I Sem Branch: ECE – A & B Subject: MPMC

RECORD OF TUTORIAL CLASSES

Tutorial – 1

SNO	TOPIC
1	Explain about Harvard and Von Neumann
2	Explain about CISC and RISC architectures
3	Explain about 8086 pin diagram/description

Tutorial - 2

SNO	TOPIC
1	Explain about 8086 microprocessor internal architecture
2	Explain about Interrupts and interrupt response

Tutorial – 3

SNO	TOPIC
1	Explain about assembler directives
2	Write a program to add list of 10 numbers and store in a specified address?

Tutorial - 4

SNO	TOPIC
1	Explain about addressing modes
2	Write a program to arrange list of numbers in ascending order and store in a specified address?

Tutorial - 5

SNO	TOPIC
1	Explain about Intel 8255 programmable peripheral interface
2	Explain about Interfacing seven segment displays

Tutorial - 6

SNO	TOPIC
1	Explain about Intel 8251 USART architecture
2	Explain about stepper motor interfacing with 8255

Tutorial – 7

SNO	TOPIC
1	Explain about Architecture of 8051
2	Explain about External memory

Tutorial - 8

SNO	TOPIC
1	Explain about Interrupts of 8051 micro controller?
2	Explain about addressing modes of 8051 micro controller

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Tutorial - 9

SNO	TOPIC
1	Explain about ARM Architecture
2	Explain about Programmers Model – Modes of operation and execution

Tutorial - 10

SNO	TOPIC
1	Explain about System address map
2	Explain about Stack and Stack pointer

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Remedial Classes for Slow (Weak) Learners

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REMEDIAL CLASSES

Branch: ECE **A.Y:** 2021-22 EVEN SEM

Batch & Year-Sem :- 20 & II-II

Year & SEM: II YEAR I SEM

Time:-04:40 PM TO 05:30 PM

Subject Name: - SIGNALS AND SYSTEMS

Faculty Name:- Dr. P. prasanna murali

1. Remedial-1

Date:- 12-01-2022

Topics Covered: - Mean square error, orthogonal signal space

Students attended:- 20JUIA0402, 405, 410, 411, 461, 462, 463

2. Remedial-2

Date:- 20-01-2022

Topics Covered: - properties of fourier series, complex fourier spectrum.

Students attended:- 20JUIA0405, 410, 411, 423, 467, 468

3. Remedial-3

Date:- 09-02-2022

Topics Covered: - Linear time invariant system, Ideal LPF, HPF and BPF

Students attended:- 20JUIA04402, 405, 409, 413, 414, 425, 426, 427

4. Remedial-4

Date:- 23-02-2022

Topics Covered: - Energy density spectrum, Parseval's theorem

Students attended:- 20JUIA04402, 425, 426, 427, 474, 475, 476

5. Remedial-5

Date:- 02-03-2022

Topics Covered: - properties of Laplace transform's, concept of region of Convergence

Students attended:- 20JUIA04402, 409, 476, 477, 479, 480, 481, 48

6. Remedial-6

Date:- 08-03-2022

Topics Covered: - properties of Z-transforms, Region of Convergen

Students attended:- 20JUIA04402, 409, 413, 414, 481, 483, 485, 486, 487.

Signature of Faculty

HOD

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REMEDIAL CLASSES

Branch: ECE **A.Y:** 2021-22 EVEN SEM

Batch & Year-Sem :- 19 & III-II

Year & SEM: III YEAR I SEM

Time:-04:40 PM TO 05:30 PM

Subject Name: - DIGITAL COMMUNICATIONS

Faculty Name:- Mr. B. Ajantha reddy

1. Remedial-1

Date:- 6/1/2021

Topics Covered: - Elements of digital communication systems, companding in pcm systems

Students attended:- 19JV1A04408, 412, 428, 433, 434, 435, 438, 444, 445, 446, 449, 450, 454, 458, 462, 465, 470, 471, 472, 474, 499, 476, 478, 480, 481, 483, 484, 487, 488, 490, 496, 497, 498

2. Remedial-2

20JV5A0401, 402

Date:- 19/1/2021

Topics Covered: - ASK, FSK, PSK, DPSK, DEPSK

Students attended:- 19JV1A04408, 412, 428, 433, 434, 435, 438, 444, 445

3. Remedial-3

Date:- 9/2/2021

Topics Covered: - Base band signal receiver, probability of error, coherent reception, BPSK, BFSK, QPSK

Students attended: 19JU1A0483, 484, 487, 488, 490, 496

4. Remedial-4

Date:- 24/2/2021

Topics Covered:- Discrete messages, concept of amount of information, Entropy and its properties

Students attended:- 19JU1A0448, 19JU1A0483, 487, 488, 490, 496

5. Remedial-5

Date:- 10/3/2021

Topics Covered:- Matrix description of linear block codes, Hamming codes, Gaussian channel.

Students attended:- 20JU5A0401, 20JU5A0402, 19JU1A0408, 412, 433

6. Remedial-6

Date:- 18/3/2021

Topics Covered:- Sampling, Quantization and coding Quantization error

Students attended:- 19JU1A0450, 454, 458, 462, 465

B. Aashritha
Signature of Faculty

HOD