



# R K COLLEGE OF ENGINEERING

(Accredited by NAAC with 'A' Grade)

Kethanakonda (V), Ibrahimpatnam (M), Vijayawada, AMARAVATI-521456.

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2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time-bound and efficient

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**Directorate of Academic Planning**  
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA  
KAKINADA-533003, Andhra Pradesh, INDIA  
(Established by AP Government Act No. 30 of 2008)

Lr. No. DAP/AC/II Year /B. Tech/2023

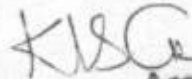
Date 01.08.2023

**Dr. KVSG Murali Krishna,**  
M.E, Ph.D.,  
Director, Academics & Planning  
JNTUK, Kakinada


To  
All the Principals of Affiliated Colleges,  
JNTUK, Kakinada.

**Academic Calendar for II Year - B. Tech for the AY 2023-24**

I SEMESTER			
Description	From	To	Weeks
Commencement of Class Work	07.08.2023		
I Unit of Instruction	07.08.2023	30.09.2023	8W
I Mid Examinations	25.09.2023	30.09.2023	
II Unit of Instructions	02.10.2023	25.11.2023	8W
II Mid Examinations	20.11.2023	25.11.2023	
Preparation & Practicals	27.11.2023	09.12.2023	2W
End Examinations	11.12.2023	23.12.2023	2W
Commencement of II Semester Class Work	27.12.2023		
II SEMESTER			
I Unit of Instructions	27.12.2023	17.02.2024	8W
I Mid Examinations	12.02.2024	17.02.2024	
II Unit of Instructions	19.02.2024	13.04.2024	8W
II Mid Examinations	08.04.2024	13.04.2024	
Preparation & Practicals	15.04.2024	27.04.2024	2W
End Examinations	29.04.2024	11.05.2024	2W
Summer Internship	13.05.2024	06.07.2024	8W
Commencement of III- I Class Work	08.07.2024		

  
Director  
Academics & Planning  
JNTUK, Kakinada  
1/8/23  
Academics & Planning,  
JNTUK

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PRINCIPAL  
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Vijayawada, AMARAVATI-521 456

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KAKINADA-533003, Andhra Pradesh, INDIA  
(Established by AP Government Act No. 30 of 2008)

Lr. No. DAP/RAC/III Year /B. Tech/2023

Date 19.08.2023

**Dr. KVSG Murali Krishna,**  
M.E. Ph.D.,  
Director, Academics & Planning  
JNTUK, Kakinada

To  
All the Principals of Affiliated Colleges,  
JNTUK, Kakinada.

**Revised Academic Calendar for III Year - B. Tech. for the AY 2023-24**

I SEMESTER			
Description	From	To	Weeks
Commencement of Class Work	17.07.2023		
I Unit of Instruction	17.07.2023	16.09.2023	9W
I Mid Examinations	18.09.2023	23.09.2023	1W
II Unit of Instructions	25.09.2023	25.11.2023	9W
II Mid Examinations	27.11.2023	02.12.2023	1W
Preparation & Practicals	04.12.2023	16.12.2023	2W
End Examinations	18.12.2023	30.12.2023	2W
Commencement of II Semester Class Work	01.01.2024		
II SEMESTER			
I Unit of Instructions	01.01.2024	24.02.2024	8W
I Mid Examinations	26.02.2024	02.03.2024	1W
II Unit of Instructions	04.03.2024	27.04.2024	8W
II Mid Examinations	29.04.2024	04.05.2024	1W
Preparation & Practicals	06.05.2024	18.05.2024	2W
End Examinations	20.05.2024	01.06.2024	2W
Summer Internship	03.06.2024	27.07.2024	8W
Commencement of IV- I Class Work	29.07.2024		

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Copy to the Secretary to the Hon'ble Vice Chancellor, JNTUK

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Director,  
Academics & Planning,  
JNTUK

19/8/23

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**Directorate of Academic Planning**  
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA  
KAKINADA-533003, Andhra Pradesh, INDIA  
(Established by AP Government Act No. 30 of 2008)

Lr. No. DAP/RAC/IV Year /B. Tech/2023

Date 14.08.2023

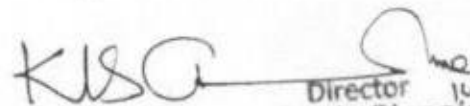
**Dr. KVSG Murali Krishna,**  
M.E., Ph.D.,  
Director, Academics & Planning  
JNTUK, Kakinada

To  
All the Principals of Affiliated Colleges,  
JNTUK, Kakinada.


**Revised Academic Calendar for IV Year - B.Tech. for the AY 2023-24**

I SEMESTER			
Description	From	To	Weeks
Commencement of Class Work	17.07.2023		
I Unit of Instruction	17.07.2023	09.09.2023	8W
I Mid Examinations	11.09.2023	16.09.2023	1W
II Unit of Instructions	18.09.2023	11.11.2023	8W
II Mid Examinations	13.11.2023	18.11.2023	1W
Preparation & Practicals	20.11.2023	25.11.2023	1W
End Examinations	27.11.2023	09.12.2023	2W
Commencement of II Semester Class Work	11.12.2023		
II SEMESTER			
Commencement of Project Work	11.12.2023	30.03.2024	16W
Thesis submission & Seminar	01.04.2024	13.04.2024	2W
End Viva- Voce Examinations	15.04.2024	22.04.2024	1W

For slippage of 90 instruction days in 16 weeks due to any unavoidable reasons compensation can be made by conducting class work on second Saturdays, Sundays and other holidays except on National Holidays and important festivals.

  
Director  
Academic Planning  
Academics & Planning,  
JNTUK  
14/8/23

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Vijayawada, AMARAVATI-521 456



I B.TECH I SEMESTER (R23)

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## I B.TECH II SEMESTER (R23 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, JUNE-2024

### TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

DATE & DAY	05-06-2024 (Wednesday)	06-06-2024 (Thursday)	07-06-2024 (Friday)	10-06-2024 (Monday)	11-06-2024 (Tuesday)
Branch & Subjects	<p>Engineering Physics <b>R231201</b> (Common to EEE, CSE, Ph.E)</p> <p>Communicative English <b>R231207</b> (Common to CE, ME, ECE, IT, AME, Mining, Agri E, CSE- Allied)</p>	<p>Differential Equations &amp; Vector Calculus <b>R231202</b> (Common to All Branches)</p>	<p>Basic Electrical and Electronics Engineering <b>R231203</b> (Common to EEE, CSE, Ph.E)</p> <p>Basic Civil &amp; Mechanical Engineering <b>R231211</b> (Common to CE, ME, ECE, IT, AME, Mining, Agri E, CSE- Allied)</p>	<p>Data Structures (<b>R231205</b>) (Common to CSE, IT, CSE-Allied)</p> <p>Electrical Circuit Analysis – I (<b>R231206</b>) (Only for EEE)</p> <p>Introduction To Mining Geology (<b>R231210</b>) (Only for Mining)</p> <p>Engineering Mechanics (<b>R231212</b>) (Common to CE, ME)</p> <p>Network Analysis (<b>R231213</b>) (Only for ECE)</p> <p>Fluid Mechanics And Mechanical Unit Operations (<b>R231214</b>) (Only for Ph.E)</p> <p>Engineering Mechanics (<b>R231215</b>) (Only for AME)</p> <p>Principles Of Soil Science And Agronomy (<b>R231216</b>) (Only for Agri E)</p>	<p>Engineering Graphics <b>R231204</b> (Common to EEE, CSE, Ph.E)</p> <p>Engineering Chemistry <b>R231208</b> (Common to CE, ME, AME, Mining, Agri E)</p> <p>Chemistry <b>R231209</b> (Common to ECE, IT, CSE-Allied)</p>

**NOTE:**

- ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.
- EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE TIME TABLE IMMEDIATELY.

Date: 31-05-2024

Coordinator-IQAC  
RKCE

*H. R. Kic*  
Controller of Examinations (UG)

*[Signature]*  
PRINCIPAL  
R K COLLEGE OF ENGINEERING  
Kethanakonda (V), Ibrahimpatnam (M),  
Vijayawada, AMARAVATI-521 456



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

I B.TECH I SEMESTER (R23)

## I B.TECH I SEMESTER (R23 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, NOVEMBER-2023

### REVISED TIME TABLE

TIME: 10.00 AM TO 12.00 NOON


DATE & DAY	20-11-2023 (Monday)	21-11-2023 (Tuesday)	22-11-2023 (Wednesday)	23-11-2023 (Thursday)	24-11-2023 (Friday)
Branch & Subjects	Communicative English <b>R231101</b> (Common to EEE, CSE, Chemical, FT, PT, Ph.E) Engineering Physics <b>R231108</b> (Common to CE, ME, ECE, IT, AME, Mining, Robotics, Agri E, ECE-Allied, CSE-Allied)	Linear Algebra & Calculus <b>R231105</b> (Common to All Branches)	Basic Civil & Mechanical Engineering <b>R231106</b> (Common to EEE, CSE, Chemical, FT, PT, Ph.E) Basic Electrical & Electronics Engineering <b>R231109</b> (Common to CE, ME, ECE, IT, AME, Mining, Robotics, Agri E, ECE-Allied, CSE-Allied)	Introduction to Programming <b>R231107</b> (Common to All Branches)	Engineering Chemistry <b>R231102</b> (Com. to Chemical, PT) Chemistry <b>R231103</b> (Common to EEE, CSE) Fundamental Chemistry <b>R231104</b> (Common to FT, Ph.E) Engineering Graphics <b>R231110</b> (Common to CE, ME, ECE, IT, AME, Mining, Robotics, Agri E, ECE-Allied, CSE-Allied)

#### NOTE:

- ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.
- EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE TIME TABLE IMMEDIATELY.

DATE: 14-11-2023

  
Coordinator-IQAC  
RKCE

  
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RK COLLEGE OF ENGINEERING  
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Vijayawada, AMARAVATI-521 456

  
Controller of Examinations (UG)



*I B.TECH I SEMESTER (R23)*

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
UNIVERSITY EXAMINATION CENTER, KAKINADA

**I B.TECH I SEMESTER (R23 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, JANUARY-2024**

**TIME TABLE**

TIME: 10.00 AM TO 12.00 NOON

DATE & DAY	02-01-2024 (Tuesday)	03-01-2024 (Wednesday)	04-01-2024 (Thursday)	05-01-2024 (Friday)	06-01-2024 (Saturday)
Branch & Subjects	Communicative English <b>R231101</b> (Common to EEE, CSE, Chemical, FT, PT, Ph.E)  Engineering Physics <b>R231108</b> (Common to CE, ME, ECE, IT, AME, Mining, Robotics, Agri E, ECE-Allied, CSE-Allied)	Linear Algebra & Calculus <b>R231105</b> (Common to All Branches)	Basic Civil & Mechanical Engineering <b>R231106</b> (Common to EEE, CSE, Chemical, FT, PT, Ph.E)  Basic Electrical & Electronics Engineering <b>R231109</b> (Common to CE, ME, ECE, IT, AME, Mining, Robotics, Agri E, ECE-Allied, CSE-Allied)	Introduction to Programming <b>R231107</b> (Common to All Branches)	Engineering Chemistry <b>R231102</b> (Com. to Chemical, PT)  Chemistry <b>R231103</b> (Common to EEE, CSE)  Fundamental Chemistry <b>R231104</b> (Common to FT, Ph.E)  Engineering Graphics <b>R231110</b> (Common to CE, ME, ECE, IT, AME, Mining, Robotics, Agri E, ECE-Allied, CSE-Allied)

**NOTE:**

- i. ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.
- ii. EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- iii. THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE TIME TABLE IMMEDIATELY.

26-12-2023

**Coordinator-IQAC**  
**RKCE**

**Controller of Examinations (UG)**

PRINCIPAL  
RK COLLEGE OF ENGINEERING  
Gethanakonda (V), Ibrahimpatnam (M),  
Vijayawada, AMARAVATI-521 456



II B.TECH I SEMESTER (R20)

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

**II B.TECH I SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, NOV/DEC - 2023**

## TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DAY & DATE				
	27-11-2023 (Monday)	28-11-2023 (Tuesday)	29-11-2023 (Wednesday)	30-11-2023 (Thursday)	01-12-2023 (Friday)
COMPUTER SCIENCE AND DESIGN (62)	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST, CSE (AIML),AIDS,CSE(AIDS),CSE(CS),OT CSBT,CSBS,IOT,AIDS,CS,AIML,IOT, CSD)	Computer Graphics <b>R2021621</b>	Multimedia and Application Development <b>R2021622</b>	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML) AIDS,CSE(AIDS), AIDS,AIML,CSD)

**NOTE:**

- ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS, IMMEDIATELY.
- EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

DATE: 09-11-2023

Controller of Examinations (UG)

Coordinator-IQAC  
RKCE





II B.TECH I SEMESTER (R20)

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**II B.TECH I SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, NOV/DEC - 2023****TIME TABLE****TIME: 10.00 AM TO 12.00 NOON**

BRANCH	DAY & DATE				
	27-11-2023 (Monday)	28-11-2023 (Tuesday)	29-11-2023 (Wednesday)	30-11-2023 (Thursday)	01-12-2023 (Friday)
<b>ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML),ALDS, CSE(AIDS),CSE(CS),IOTCSBT,CSBS, IOT,AIDS,CS,AIML,IOT,CSD)	Introduction to Artificial Intelligence and Data Science <b>R2021451</b> (Comm to CSE(AIDS),AIDS)	Object Oriented Programming with Java <b>R2021422</b> (Comm to CSE(AIML),ALDS,CSE(AIDS), AIDS,AIML)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML),ALDS,CSE(AIDS), AIDS,AIML, CSD)
<b>PHARMACEUTICAL ENGINEERING (55)</b>	Mathematics - III <b>R2021011</b> (Except EEE,FE) (Vector Calculus, Transforms and PDE)	Pharmacology <b>R2021551</b>	Material and Energy Balance Computations <b>R2021552</b>	Fluid Mechanics and Mechanical Unit Operations <b>R2021553</b>	Thermodynamics for pharmaceutical Engineers <b>R2021554</b>
<b>CYBER SECURITY (59)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML),ALDS, CSE(AIDS),CSE(CS),IOTCSBT,CSBS, IOT,AIDS,CS,AIML,IOT,CSD)	Data Structures <b>R2021061</b> (Common to CST,CSE(CS)CS,OITCSBT, CSBS,IOT,CS,IOT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT,CSE(CS),IOTCSBT,IOT)	Java Programming <b>R2021062</b> (Comm to CST,CSE(CS),OITCSBT,IOT,CS,,IOT)
<b>INTERNET OF THINGS (60)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML),ALDS, CSE(AIDS),CSE(CS),IOTCSBT,CSBS,IOT,AIDS,CS,AIML, IOT, CSD)	Data Structures <b>R2021061</b> (Common to CST,CSE(CS)CS,OITCSBT,C SBS,IOT,CS,IOT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT,CS,IOTCSBT,IOT)	Java Programming <b>R2021062</b> (Comm to CST,CSE(CS),OITCSBT,IOT, CS,IOT)
<b>ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST, CSE(AIML),ALDS,CSE(AIDS),CSE(CS), IOTCSBT,CSBS,IOT,AIDS,CS,AIML,IOT,CS D)	Introduction to Artificial Intelligence and Machine Learning <b>R2021421</b> (Common to CSE(AIML),AIML)	Object Oriented Programming with Java <b>R2021422</b> (Comm to CSE(AIML),ALDS,CSE(AIDS),AIDS, AIML)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML),ALDS,CSE(AIDS), AIDS,AIML, CSD)

Coordinator-IQAC  
RKCE



II B.TECH I SEMESTER (R20)

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**II B.TECH I SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, NOV/DEC - 2023****TIME TABLE****TIME: 10.00 AM TO 12.00 NOON**

BRANCH	DAY & DATE				
	27-11-2023 (Monday)	28-11-2023 (Tuesday)	29-11-2023 (Wednesday)	30-11-2023 (Thursday)	01-12-2023 (Friday)
CSE Cyber Security) (46)	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML), ALDS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS, IOT,AIDS,CS,AIML,IOT,CSD)	Data Structures <b>R2021061</b> (Common to CST,CSE(CS)CS, OITCSBT,CSBS,IOT,CS,IOT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT,CS,IOTCSBT,IOT)	Java Programming <b>R2021062</b> (Comm to CST,CSE(CS),OITCSBT,IOT,CS,IOT)
CSE Internet of things and Cyber security including Blockchain Technology) (47)	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST, CSE(AIML),ALDS,CSE(AIDS), CSE(CS),IOTCSBT,CSBS,IOT, AIDS,CS,AIML,IOT,CSD)	Data Structures <b>R2021061</b> (Common to CST,CSE(CS)CS,OITCSBT,CSBS,IOT, CS,IOT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT,CS,IOTCSBT,IOT)	Java Programming <b>R2021062</b> (Comm to CST,CSE(CS),OITCSBT,IOT,CS,IOT)
CSE Computer Science and Business System) (48)	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML),ALDS, CSE(AIDS),CS,IOTCSBT,CSBS, IOT,AIDS,AIML)	Data Structures <b>R2021061</b> (Common to CST,CSE(CS)CS,OITCSBT,CSBS,IOT, CS,IOT)	Formal Languages & Automata Theory <b>R2021481</b>	Computer Organization & Architecture <b>R2021482</b>
CSE Internet of Things) (49)	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML),ALDS, CSE(AIDS),CSE(CS),IOTCSBT,CSBS,IOT, AIDS,CS,AIML,IOT,CSD)	Data Structures <b>R2021061</b> (Common to CST,CSE(CS)CS,OITCSBT,CSBS,IOT, CS,IOT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT,CS,IOTCSBT,IOT)	Java Programming <b>R2021062</b> (Comm to CST,CSE(CS),OITCSBT,IOT,CS,IOT)
FOOD ENGINEERING (51)	Probability and Statistics <b>R2021511</b>	Principles of Food Engineering -I <b>R2021512</b>	Mechanical Operations in Food Processing <b>R2021513</b>	Fluid Mechanics in Food Processing <b>R2021514</b>	Food Microbiology <b>R2021515</b>

*Handwritten Signature*  
Coordinator-IQAC  
RKCE



II B.TECH I SEMESTER (R20)

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**II B.TECH I SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, NOV/DEC - 2023**

**TIME TABLE**

**TIME: 10.00 AM TO 12.00 NOON**

BRANCH	DAY & DATE				
	27-11-2023 (Monday)	28-11-2023 (Tuesday)	29-11-2023 (Wednesday)	30-11-2023 (Thursday)	01-12-2023 (Friday)
<b>AGRICULTURAL ENGINEERING (35-AGE)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Surveying and Leveling <b>R2021351</b>	Fluid Mechanics and Open Channel Hydraulics <b>R2021352</b>	Properties and Strength of Materials <b>R2021353</b>	Farm Power and Tractor Systems <b>R2021354</b>
<b>CSE (Artificial Intelligence and Machine Learning) (42)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML), ALDS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS ,JOT,AIDS,CS,AIML,IOT,CSD)	Introduction to Artificial Intelligence and Machine Learning <b>R2021421</b> (Common to CSE(AIML), AIML)	Object Oriented Programming with Java <b>R2021422</b> (Comm to CSE(AIML),ALDS,CSE(AIDS), AIDS,AIML)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML),ALDS, CSE(AIDS), AIDS,AIML,CSD)
<b>CSE (Artificial Intelligence) (43)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML), ALDS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS ,JOT,AIDS,CS,AIML,IOT,CSD)	Introduction to Artificial Intelligence <b>R2021431</b>	Object Oriented Programming with Java <b>R2021422</b> (Comm to CSE(AIML), ALDS,CSE(AIDS),AIDS,AIML)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML), ALDS,CSE(AIDS), AIDS,AIML, CSD)
<b>CSE (Data Science) (44)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML), ALDS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS ,JOT,AIDS,CS,AIML,IOT,CSD)	Fundamentals of Data Science <b>R2021441</b>	Object Oriented Programming with Java <b>R2021422</b> (Comm to CSE(AIML), ALDS,CSE(AIDS),AIDS,AIML)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML), ALDS,CSE(AIDS), AIDS,AIML, CSD)
<b>CSE (Artificial Intelligence and Data Science) (45)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML), ALDS,CSE(AIDS),CS,IOTCSBT,CSBS,IOT, AIDS,AIML,IOT,CSD)	Introduction to Artificial Intelligence and Data Science <b>R2021451</b> (Comm to CSE(AIDS),AIDS)	Object Oriented Programming with Java <b>R2021422</b> (Comm to CSE(AIML),ALDS,CSE(AIDS),AIDS, AIML)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML), ALDS,CSE(AIDS), AIDS,AIML, CSD)

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PRINCIPAL  
JNTU COLLEGE OF ENGINEERING  
Kothanakonda (V), Ibrahimpatnam (M),  
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II B.TECH I SEMESTER (R20)

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**II B.TECH I SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, NOV/DEC - 2023****TIME TABLE****TIME: 10.00 AM TO 12.00 NOON**

BRANCH	DAY & DATE				
	27-11-2023 (Monday)	28-11-2023 (Tuesday)	29-11-2023 (Wednesday)	30-11-2023 (Thursday)	01-12-2023 (Friday)
<b>ELECTRONICS AND INSTRUMENTATION ENGINEERING (10-EIE)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Electronic Devices and Circuits <b>R2021041</b> (Common to ECE,EIE,ECT)	Switching Theory and Logic Design <b>R2021042</b> (Common to ECE,EIE,ECT)	Signals and Systems <b>R2021043</b> (Common to ECE,EIE,ECT)	Electronic Measurements and Instrumentation <b>R2021101</b>
<b>INFORMATION TECHNOLOGY (12-IT)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Discrete Mathematics and Graph Theory <b>R2021122</b>	Object Oriented Programming through C++ <b>R2021051</b> (Common to CSE, IT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT,CS,IOTCSBT,IOT)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML), AIDS,CSE(AIDS), AIDS,AIML,CSE)
<b>ELECTRONICS &amp; COMMUNICATION TECHNOLOGY (14)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Electronic Devices and Circuits <b>R2021041</b> (Common to ECE,EIE,ECT)	Switching Theory and Logic Design <b>R2021042</b> (Common to ECE,EIE,ECT)	Signals and Systems <b>R2021043</b> (Common to ECE,EIE,ECT)	Random Variables and Stochastic Process <b>R2021044</b> (Common to ECE,ECT)
<b>AUTO MOBILE ENGINEERING (24-AME)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mechanics of Solids <b>R2021031</b> (Common to ME,AME)	Thermodynamics <b>R2021241</b>	Fluid Mechanics & Hydraulic Machines <b>R2021032</b> (Common to ME,AME)	Components of Automobile Chassis <b>R2021242</b>
<b>MINING ENGINEERING (26-MM)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Development of Mineral Deposits <b>R2021261</b>	Mine Surveying <b>R2021262</b>	Engineering and Economic Geology <b>R2021263</b>	Mineral Processing Technology <b>R2021264</b>
<b>PETROLEUM ENGINEERING/PETROLEUM TECHNOLOGY (27-PE)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Petroleum Geology <b>R2021271</b>	Fluid Mechanics for Petroleum Engineers <b>R2021272</b>	Heat Transfer Operations <b>R2021273</b>	Material and Energy Balances <b>R2021274</b>

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II B.TECH I SEMESTER (R20)

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**II B.TECH I SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, NOV/DEC - 2023****TIME TABLE****TIME: 10.00 AM TO 12.00 NOON**

BRANCH	DAY & DATE				
	27-11-2023 (Monday)	28-11-2023 (Tuesday)	29-11-2023 (Wednesday)	30-11-2023 (Thursday)	01-12-2023 (Friday)
<b>CIVIL ENGINEERING (01-CE)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Strength of Materials-I <b>R2021012</b>	Fluid Mechanics <b>R2021013</b>	Surveying and Geometrics <b>R2021014</b>	Highway Engineering <b>R2021015</b>
<b>ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)</b>	Mathematics – IV <b>R2021021</b>	Electronic Devices and Circuits <b>R2021022</b>	Electrical Circuit Analysis –II <b>R2021023</b>	DC Machines and Transformers <b>R2021024</b>	Electro Magnetic Fields <b>R2021025</b>
<b>MECHANICAL ENGINEERING (03-ME)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mechanics of Solids <b>R2021031</b> (Common to ME,AME)	Production Technology <b>R2021033</b>	Fluid Mechanics & Hydraulic Machines <b>R2021032</b> (Comm to ME,AME)	Kinematics of Machinery <b>R2021034</b>
<b>ELECTRONICS &amp; COMMUNICATION ENGINEERING (04-ECE)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Electronic Devices and Circuits <b>R2021041</b> (Common to ECE,EIE,ECT)	Switching Theory and Logic Design <b>R2021042</b> (Common to ECE,EIE,ECT)	Signals and Systems <b>R2021043</b> (Common to ECE,EIE,ECT)	Random Variables and Stochastic Processes <b>R2021044</b> (Common to ECE,ECT)
<b>COMPUTER SCIENE &amp; ENGINEERING (05-CSE)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE, CST, CSE (AIML),ALDS,CSE(AIDS),CSE (CS),IOTCSBT,CSBS,IOT,AIDS,CS,AIML,IOT,CSD)	Object Oriented Programming through C++ <b>R2021051</b> (Common to CSE,IT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT,CS,IOTCSBT,IOT,CS)	Software Engineering <b>R2021053</b>
<b>COMPUTER SCIENE &amp; TECHNOLOGY (06)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML),ALDS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS,IOT,AIDS,CS,AIML,IOT,CSD)	Data Structures <b>R2021061</b> (Common to CST,CSE (CS),CS,IOTCSBT,CSBS,IOT,CS,IOT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT,CSE(CS),IOTCSBT,IOT)	Java Programming <b>R2021062</b> (Comm to CST,CSE(CS),IOTCSBT,IOT,CS,IOT)

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH I SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, SEPTEMBER - 2023

### TIME TABLE

TIME: 02.00 PM TO 05.00 PM

BRANCH	DATE & DAY					
	19.09.2023 (Tuesday)	20.09.2023 (Wednesday)	21.09.2023 (Thursday)	22.09.2023 (Friday)	23.09.2023 (Saturday)	25.09.2023 (Monday)
<b>ELECTRONICS &amp; COMMUNICATION ENGINEERING</b>  (04 ECE)	Analog ICs and Applications (R2031041)	Electromagnetic Waves and Transmission Lines (R2031042)	Digital Communications (R2031043)	Antenna And Wave Propagation <b>R203104A</b>	Basics of Signals and Systems <b>R203104D</b>	.....
				Electronic Measurements & Instrumentation <b>R203104B</b>	Electronic Measurements and Instrum. <b>R203104E</b>	
				Computer Architecture & Organization <b>R203104C</b>	Principles of Signal Processing <b>R203104F</b>	
					Industrial Electronics <b>R203104G</b>	
					Consumer Electronics <b>R203104H</b>	
					Fundamentals of Microprocessors and Microcontrollers <b>R203104I</b>	
					Transducers and Sensors <b>R203104J</b>	
					IOT and Applications <b>R203104K</b>	
					Soft Computing Techniques <b>R203104L</b>	
					IC Applications <b>R203104M</b>	
					Principles of Communications <b>R203104N</b>	
					Basic Electronics <b>R203104O</b>	
					Data Communications <b>R203104P</b>	
					Digital Logic Design <b>R203104Q</b>	
	Remote Sensing and GIS <b>R203104R</b>					
	Bio Medical Instrumentation <b>R203104S</b>					
	Introduction to Microprocessor and Microcontrollers <b>R203114G</b>					
<b>COMPUTER SCIENCE &amp; ENGINEERING</b>  (05 CSE)	Computer Networks (R2031051) <small>(Common to CSE,IT)</small>	Design and Analysis of Algorithms (R2031052) <small>(Common to CSE,IT)</small>	Data Warehousing and Data Mining (R2031053)	<b>Professional Elective (PE II) :-</b>	<b>Open Elective (OE I) :-</b>	.....
				Artificial Intelligence <b>R203105A</b>	Optimization in Operations Research <b>R203105E</b>	
				Software Project Management <b>R203105B</b>	Data Structures <b>R203105F</b>	
				Distributed Systems <b>R203105C</b>	Object Oriented Progra. through JAVA <b>R203105G</b>	
				Advanced Unix Programming <b>R193205D</b>	Data Base Management Systems <b>R203105H</b>	
					Computer Graphics <b>R203105I</b>	
					Advanced UNIX Programming <b>R203105J</b>	
					Computer Organization and Arch. <b>R203105K</b>	
					Operating Systems <b>R203105L</b>	
<b>INFORMATION TECHNOLOGY</b>  (12 IT)	Computer Networks (R2031051) <small>(Common to CSE,IT)</small>	Design and Analysis of Algorithms (R2031052) <small>(Common to CSE,IT)</small>	Data Mining Techniques (R2031121)	<b>Professional Elective (PE II) :-</b>	<b>Open Elective (OE I) :-</b>	.....
				Artificial Intelligence <b>R203105A</b>	DevOps <b>R203112B</b>	
				Distributed Systems <b>R203105C</b>	Data Structures <b>R203105F</b>	
				Advanced Unix Programming <b>R203105D</b>	Object Oriented Progra. through JAVA <b>R203105G</b>	
				Agile Software Process <b>R203112A</b>	Data Base Management Systems <b>R203105H</b>	
					Computer Graphics <b>R203105I</b>	
					Advanced UNIX Programming <b>R203105J</b>	
					Computer Organization and Arch. <b>R203105K</b>	
					Operating Systems <b>R203105L</b>	
				<b>Professional Elective (PE II) :-</b>	<b>Open Elective (OE I) :-</b>	

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH I SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, SEPTEMBER - 2023

### TIME TABLE

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BRANCH	DATE & DAY					
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<b>CIVIL ENGINEERING (01 CE)</b>	Structural Analysis (R2031011)	Design And Drawing of Reinforced Concrete Structures (R2031012)	Geotechnical Engineering - I (R2031013)	Professional Elective (PE) :-	Open Elective (OE I) :-	.....
				Construction Technology & Management R203101A	Strength of Materials R203101E	
				Remote Sensing and GIS R203101B	Fluid Mechanics R203101F	
				Environmental Impact Assessment R203101C	Surveying and Geomatics R203101G	
				Low-Cost Housing R203101D	Highway Engineering R203101H	
					Safety Engineering R203101I	
					Environmental Management R203101J	
<b>ELECTRICAL AND ELECTRONICS ENGINEERING (02 EEE)</b>	Power Systems-II (R2031021)	Power Electronics (R2031022)	Control Systems (R2031023)	Professional Elective (PE) :-	Open Elective (OE I) :-	.....
				Linear Ic Applications R203102A	Renewable Energy Sources R203102F	
				Utilization Of Electrical Energy R203102B	Concepts Of Optimization Techniques R203102G	
				Computer Architecture And Organization R203102C	Concepts of Control Systems R203102H	
				Optimization Techniques R203102D		
				Object Oriented Programming Through Java R203102E		
				Optimization Techniques R203102D		
				Object Oriented Programming Through Java R203102E		
<b>MECHANICAL ENGINEERING (03 ME)</b>	Thermal Engineering-II (R2031031)	Design of Machine Members-I (R2031032)	Machining, Machine Tools & Metrology (R2031033)	Professional Elective (PE) :-	Open Elective (OE I) :-	.....
				Finite Element Methods R203103A	Sustainable Energy Technologies R203103G	
				Industrial Robotics R203103B	Operations Research R203103H	
				Advanced Materials R203103C	Nano Technology R203103I	
				Renewable Energy Sources R203103D	Thermal Management of Electronic systems R203103J	
				Mechanics of Composite R203103E		
				MOOCs (NPTEL/Swayam) R203103F		
Professional Elective (PE) :-	Open Elective (OE I) :-					

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
UNIVERSITY EXAMINATION CENTER, KAKINADA  
**IV B.TECH - I SEMESTER (R20) I MID & ONLINE QUIZ EXAMINATIONS, SEPTEMBER - 2023**  
**TIME TABLE**

TIME : 10.00 AM TO 12.00 NOON

Branch	DATE & DAY							
	19-09-2023 (Tuesday)	20-09-2023 (Wednesday)	21-09-2023 (Thursday)	22-09-2023 (Friday)	23-09-2023 (Saturday)	25-09-2023 (Monday)	26-09-2023 (Tuesday)	27-09-2023 (Wednesday)
Electronics & Communication Engineering (04)	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	Professional Elective-III : Optical Communication (R204104A)/ Digital Image Processing (R204104B)/ Low Power VLSI Design (R204104C)	Professional Elective-IV : Satellite Communications (R204104D)/ Soft Computing Techniques (R204104E)/ Digital IC Design using CMOS (R204104F)	Professional Elective-V : Radar engineering (R204104G)/ Pattern recognition & Machine Learning (R204104H)/ Internet of Things (R204104I)	Open Elective-III : Basics of Signals and Systems (R204104J)/ Electronic Measurements and Instrumentation (R204104K)/ Principles of Signal Processing (R204104L)/ Industrial Electronics (R204104M)/ Consumer Electronics (R204104N)/ Fundamentals of Microprocessors and Microcontrollers (R204104O)/ Transducers and Sensors (R204104P)/ IOT and Applications (R204104Q)	Open Elective-IV : Soft Computing Techniques (R204104R)/ IC Applications (R204104S)/ Principles of Communications (R204104T)/ Basic Electronics (R204104U)/ Data Communications (R204104V)/ Digital Logic design (R204104W)/ Remote Sensing and GIS (R204104X)/ Bio Medical Instrumentation (R204104Y)	.....	.....

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
 UNIVERSITY EXAMINATION CENTER, KAKINADA  
**IV B.TECH - I SEMESTER (R20) I MID & ONLINE QUIZ EXAMINATIONS, SEPTEMBER - 2023**  
**TIME TABLE**

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Branch	DATE & DAY							
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Mechanical Engineering (03)	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AD), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	<b>Professional Elective-III : Mechanical Vibrations (R204103A)/ Operations Research (R204103B)/ Unconventional Machining Processes (R204103C)/ Computational Fluid Dynamics (R204103D)/ Gas Dynamics and Jet Propulsion (R204103E)/ MOOCs (NPTEL/Swayam) Course (12 Week duration) (R204103F)</b>	<b>Professional Elective-IV : Automation in Manufacturing (R204103G)/ Power Plant Engineering (R204103H)/ Big Data Analytics (R204103I)/ Production Planning and Control (R204103J)/ Condition Monitoring (R204103K)/ MOOCs (NPTEL/Swayam) Course (12 Week duration) (R204103L)</b>	<b>Professional Elective-V : Advanced Manufacturing Processes (R204103M)/ Refrigeration &amp; Air-Conditioning (R204103O)/ Non Destructive Evaluation (R204103Q)/ MOOCs (NPTEL/Swayam) Course (12 Week duration) (R204103R)</b>	<b>Open Elective-III : Finite Element Methods (R204103S)/ Introduction to Artificial Intelligence &amp; Machine Learning (R204103T)</b>	<b>Open Elective-IV : Optimization Techniques (R204103U)/ Smart Manufacturing (R204103V)/ Safety Engineering (R204103W)/ Operations Management (R204103X)</b>	<b>Mechatronics (R204103N) (Common to PE-V &amp; OE-3) / Additive Manufacturing (R204103P) (Common to PE-V &amp; OE-3)</b>	.....

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
 UNIVERSITY EXAMINATION CENTER, KAKINADA  
**IV B.TECH - I SEMESTER (R20) I MID & ONLINE QUIZ EXAMINATIONS, SEPTEMBER - 2023**  
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Electrical & Electronics Engineering (02)	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MIE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	<b>Professional Elective-III</b> : Digital Signal Processing (R204102A)/ Renewable and Distributed Energy Technologies (R204102B)/ Flexible Alternating Current Transmission Systems (R204102C)/ Power Systems Deregulation (R204102D)/ Data Base Management Systems (R204102E)	<b>Professional Elective-IV</b> : Hybrid Electric Vehicles (R204102F)/ High Voltage Engineering (R204102G)/ Programmable Logic Controllers and Applications (R204102H)	<b>Professional Elective-V</b> : Power System Operation and Control (R204102I)/ Switched Mode Power Conversion (R204102J)/ AI Applications to Electrical Engineering (R204102K)	<b>Open Elective-III</b> : Concepts of Microprocessors and Microcontrollers (R204102L)/ Fundamentals of Electric Vehicles (R204102M)/ Concepts of Internet of Things (R204102N)	<b>Open Elective-IV</b> : Concepts of Power System Engineering (R204102O)/ Concepts of Smart Grid Technologies (R204102P)	Data Science (R204105R) (Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)	Deep Learning Techniques (R204105E) (Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ MEAN Stack Technologies (R204105V) (Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) Cloud Computing with AWS (R204105W) (Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
 UNIVERSITY EXAMINATION CENTER, KAKINADA  
**IV B.TECH - I SEMESTER (R20) I MID & ONLINE QUIZ EXAMINATIONS, SEPTEMBER - 2023**  
**TIME TABLE**

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Branch	DATE & DAY							
	19-09-2023 (Tuesday)	20-09-2023 (Wednesday)	21-09-2023 (Thursday)	22-09-2023 (Friday)	23-09-2023 (Saturday)	25-09-2023 (Monday)	26-09-2023 (Tuesday)	27-09-2023 (Wednesday)
<b>Civil Engineering (01)</b>	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	<b>Professional Elective-III : Advanced Structural Engineering (R204101A)/ Bridge Engineering (R204101B)/ Structural Dynamics (R204101C)/ Urban Transportation Planning (R204101D)</b>	<b>Professional Elective-IV : Ground Improvement Techniques (R204101E)/ Geo-Spatial Technologies (R204101F)/ Disaster Management &amp; Mitigation (R204101G)/ Soil dynamics &amp; Machine Foundations (R204101H)</b>	<b>Professional Elective-V : Design &amp; Drawing of Irrigation Structures (R204101I)/ Earth &amp; Rock fill Dams (R204101J)/ Urban Hydrology (R204101K)/ SWAYAM / NPTEL /MOOCS COURSES (12 weeks duration) (R204101L)</b>	<b>Open Elective-III : Strength of Materials (R204101M)/ Fluid Mechanics (R204101N)/ Surveying and Geomatics (R204101O)/ Highway Engineering (R204101P)/ Safety Engineering (R204101Q)/ Environmental Management (R204101R)/ Urban Planning (R204101S)</b>	<b>Open Elective-IV : Elements of Civil Engineering (R204101T)/ Environmental Engineering (R204101U)/ Disaster Management (R204101V)/ Water Resource Engineering (R204101W)/ Hydraulics and Hydraulic Machinery (R204101X)/ Green Technologies (R204101Y)/ Remote Sensing and GIS (R204101Z)</b>	.....	.....

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 Sathanakonda (V), Ibrahimpatnam (M),  
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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
UNIVERSITY EXAMINATION CENTER, KAKINADA  
**IV B.TECH - I SEMESTER (R20) I MID & ONLINE QUIZ EXAMINATIONS, SEPTEMBER - 2023**

**TIME TABLE**

TIME : 10.00 AM TO 12.00 NOON

Branch	DATE & DAY							
	19-09-2023 (Tuesday)	20-09-2023 (Wednesday)	21-09-2023 (Thursday)	22-09-2023 (Friday)	23-09-2023 (Saturday)	25-09-2023 (Monday)	26-09-2023 (Tuesday)	27-09-2023 (Wednesday)
CSE (Artificial Intelligence and Data Science) (45)	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MIE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	<b>Professional Elective-III : Reinforcement Learning (R204142A)/ Nature Inspired Computing Techniques (R204144A)/ Social Media Analytics (R204144B)/ Block Chain Technologies (R204142P) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	<b>Professional Elective-IV : Computer Vision (R204105G) (Common to CSE, CSE(AIDS), AIDS, CSD)/ Information Retrieval Systems (R204144D)/ NOSQL Databases (R204142F) / Cloud Computing (R204142O) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	<b>Professional Elective-V : Recommender Systems (R204142H)/ AI Chatbots (R204142I)/ Data Visualization (R204144E)/ Social Networks Analysis (R204142Q) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	<b>Open Elective-III : API and Microservices (Job Oriented Course) (R204105M)/ AI Tools &amp; Techniques (R204105N)/ Image Processing (R204105O)/ Information Security (R204105P)/ Mobile Application Development (R204105Q)/ Cyber Security (R204105S)/ Introduction to Internet of Things (R204105T) (Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	<b>Open Elective-IV : Secure Coding Techniques (Job Oriented Course) (R204105U)/ Block Chain Technologies (R204105X)/ Introduction to Machine Learning (R204105Z)/ Machine Learning with Python (R2041051) (Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	Data Science (R204105R) (Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)	Deep Learning Techniques (R204105E) (Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) (Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ Cryptography and Network Security (R204105Y) (Common to CSE(AIML), CSE(AI), AIML, CSD PE-III & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)

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CSE (Data Science) (44)	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MIE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	<b>Professional Elective-III : Reinforcement Learning (R204142A)/ Nature Inspired Computing Techniques (R204144A)/ Social Media Analytics (R204144B)/ Block Chain Technologies (R204142P) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	<b>Professional Elective-IV : SnowFlake Cloud Analytics (R204144C)/ Information Retrieval Systems (R204144D)/ NOSQL Databases (R204142F) / Cloud Computing (R204142O) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	<b>Professional Elective-V : Recommender Systems (R204142H)/ AI Chatbots (R204142I)/ Data Visualization (R204144E)/ Social Networks Analysis (R204142Q) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	<b>Open Elective-III : API and Microservices (Job Oriented Course) (R204105M)/ AI Tools &amp; Techniques (R204105N)/ Image Processing (R204105O)/ Information Security (R204105P)/ Mobile Application Development (R204105Q)/ Cyber Security (R204105S)/ Introduction to Internet of Things (R204105T) (Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	<b>Open Elective-IV : Secure Coding Techniques (Job Oriented Course) (R204105U)/ Block Chain Technologies (R204105X)/ Introduction to Machine Learning (R204105Z)/ Machine Learning with Python (R204105I) (Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	Data Science (R204105R) (Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)	Deep Learning Techniques (R204105E) (Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) (Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ Cryptography and Network Security (R204105Y) (Common to CSE(AIML), CSE(AI), AIML, CSD PE-III & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
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CSE (Artificial Intelligence) (43)	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MIE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	<b>Professional Elective-III : Reinforcement Learning (R204142A)/ Soft Computing (R204142B)/ Speech Processing (R204142C)/ Block Chain Technologies (R204142P) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	<b>Professional Elective-IV : Robotic Process Automation (R204142D)/ NOSQL Databases (R204142F)/ Video Analytics (R204142G)/ Cloud Computing (R204142O) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	<b>Professional Elective-V : Recommender Systems (R204142H)/ AI Chatbots (R204142I)/ Object Oriented Analysis and Design (R204142J)/ Semantic Web (R204142K) / Social Networks Analysis (R204142Q) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	<b>Open Elective-III : API and Microservices (Job Oriented Course) (R204105M)/ AI Tools &amp; Techniques (R204105N)/ Image Processing (R204105O)/ Information Security (R204105P)/ Mobile Application Development (R204105Q)/ Cyber Security (R204105S)/ Introduction to Internet of Things (R204105T) (Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	<b>Open Elective-IV : Secure Coding Techniques (Job Oriented Course) (R204105U)/ Block Chain Technologies (R204105X)/ Introduction to Machine Learning (R204105Z)/ Machine Learning with Python (R2041051) (Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	Data Science (R204105R) (Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)/ Big Data Analytics (R204142E) (Common to CSE(AIML), CSE(AI), AIML, PE-IV & CSE(CS), CS PE-V & OE-3)	Deep Learning Techniques (R204105E) (Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) (Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ Cryptography and Network Security (R204105Y) (Common to CSE(AIML), CSE(AI), AIML, CSD PE-III & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
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CSE (Artificial Intelligence and Machine Learning) (42)	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	<b>Professional Elective-III : Reinforcement Learning (R204142A)/ Soft Computing (R204142B)/ Speech Processing (R204142C)/ Block Chain Technologies (R204142P) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	<b>Professional Elective-IV : Robotic Process Automation (R204142D)/ NOSQL Databases (R204142F)/ Video Analytics (R204142G)/ Cloud Computing (R204142O) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	<b>Professional Elective-V : Recommender Systems (R204142H)/ AI Chatbots (R204142I)/ Object Oriented Analysis and Design (R204142J)/ Semantic Web (R204142K) / Social Networks Analysis (R204142Q) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	<b>Open Elective-III : API and Microservices (Job Oriented Course) (R204105M)/ AI Tools &amp; Techniques (R204105N)/ Image Processing (R204105O)/ Information Security (R204105P)/ Mobile Application Development (R204105Q)/ Cyber Security (R204105S)/ Introduction to Internet of Things (R204105T) (Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	<b>Open Elective-IV : Secure Coding Techniques (Job Oriented Course) (R204105U)/ Block Chain Technologies (R204105X)/ Introduction to Machine Learning (R204105Z)/ Machine Learning with Python (R2041051) (Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	Data Science (R204105R) (Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)/ Big Data Analytics (R204142E) (Common to CSE(AIML), CSE(AI), AIML, PE-IV & CSE (CS), CS PE-V & OE-3)	Deep Learning Techniques (R204105E) (Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) (Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ Cryptography and Network Security (R204105Y) (Common to CSE(AIML), CSE(AI), AIML, CSD PE-III & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

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Computer Science & Engineering (05)	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MIE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	<b>Professional Elective-III :</b> Cloud Computing (R204105A) (Common to CSE, IT)/ Neural Networks and Soft Computing (R204105B) / Ad-hoc and Sensor Networks (R204105C) / Cyber Security & Forensics (R204105D) (Common to CSE, IT)	<b>Professional Elective-IV :</b> Computer Vision (R204105G) (Common to CSE, CSE(AIDS), AIDS, CSD)/ MOOCS-NPTEL/SWAYAM (R204105H)	<b>Professional Elective-V :</b> Wireless Network Security (R204105J)/ Ethical Hacking (R204105K) (Common to CSE, IT)/ MOOCS-NPTEL/SWAYAM (R204105L) / Block Chain Technologies (R204105I) (Common to CSE, IT)	<b>Open Elective-III :</b> API and Microservices (Job Oriented Course) (R204105M)/ AI Tools & Techniques (R204105N)/ Image Processing (R204105O)/ Information Security (R204105P)/ Mobile Application Development (R204105Q)/ Cyber Security (R204105S)/ Introduction to Internet of Things (R204105T) (Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Open Elective-IV :</b> Secure Coding Techniques (Job Oriented Course) (R204105U)/ Block Chain Technologies (R204105X)/ Introduction to Machine Learning (R204105Z)/ Machine Learning with Python (R2041051) (Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Social Network And Semantic Web (Job Oriented Course) (R204105F) (Common to CSE, PE-IV &amp; CSE(IOTCSIBCT) OE-3) / Data Science (R204105R) (Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</b>	<b>Deep Learning Techniques (R204105E) (Common to EEE, CSE, IT, PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) (Common to EEE PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ Cryptography and Network Security (R204105Y) (Common to CSE(AIML), CSE(AI), AIML, CSD PE-III &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</b>

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<b>ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)</b>	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	<b>Professional Elective-III : Reinforcement Learning (R204142A)/</b> Soft Computing (R204142B)/ Speech Processing (R204142C)/ Block Chain Technologies (R204142P) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Professional Elective-IV :</b> Robotic Process Automation (R204142D)/ NOSQL Databases (R204142F)/ Video Analytics (R204142G) / Cloud Computing (R204142O) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Professional Elective-V :</b> Recommender Systems (R204142H)/ AI Chatbots (R204142I)/ Object Oriented Analysis and Design (R204142J)/ Semantic Web (R204142K) / Social Networks Analysis (R204142Q) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Open Elective-III :</b> API and Microservices (Job Oriented Course) (R204105M)/ AI Tools & Techniques (R204105N)/ Image Processing (R204105O)/ Information Security (R204105P)/ Mobile Application Development (R204105Q)/ Cyber Security (R204105S)/ Introduction to Internet of Things (R204105T) (Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Open Elective-IV :</b> Secure Coding Techniques (Job Oriented Course) (R204105U)/ Block Chain Technologies (R204105X)/ Introduction to Machine Learning (R204105Z)/ Machine Learning with Python (R204105I) (Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	Data Science (R204105R) (Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)/ Big Data Analytics (R204142E) (Common to CSE(AIML), CSE(AI), AIML, PE-IV & CSE(CS), CS PE-V & OE-3)	Deep Learning Techniques (R204105E) (Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) (Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ Cryptography and Network Security (R204105Y) (Common to CSE(AIML), CSE(AI), AIML, CSD PE-III & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)

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Branch	DATE & DAY							
	19-09-2023 (Tuesday)	20-09-2023 (Wednesday)	21-09-2023 (Thursday)	22-09-2023 (Friday)	23-09-2023 (Saturday)	25-09-2023 (Monday)	26-09-2023 (Tuesday)	27-09-2023 (Wednesday)
ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MIE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	Professional Elective-III : Reinforcement Learning (R204142A)/ Nature Inspired Computing Techniques (R204144A)/ Social Media Analytics (R204144B)/ Block Chain Technologies (R204142P) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	Professional Elective-IV : Computer Vision (R204105G) (Common to CSE, CSE(AIDS), AIDS, CSD)/ Information Retrieval Systems (R204144D)/ NOSQL Databases (R204142F) / Cloud Computing (R204142O) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	Professional Elective-V : Recommender Systems (R204142H)/ AI Chatbots (R204142I)/ Data Visualization (R204144E)/ Social Networks Analysis (R204142Q) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	Open Elective-III : API and Microservices (Job Oriented Course) (R204105M)/ AI Tools & Techniques (R204105N)/ Image Processing (R204105O)/ Information Security (R204105P)/ Mobile Application Development (R204105Q)/ Cyber Security (R204105S)/ Introduction to Internet of Things (R204105T) (Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	Open Elective-IV : Secure Coding Techniques (Job Oriented Course) (R204105U)/ Block Chain Technologies (R204105X)/ Introduction to Machine Learning (R204105Z)/ Machine Learning with Python (R2041051) (Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	Data Science (R204105R) (Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)	Deep Learning Techniques (R204105E) (Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) (Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ Cryptography and Network Security (R204105Y) (Common to CSE(AIML), CSE(AI), AIML, CSD PE-III & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)

**Coordinator-IQAC**  
**RKCE**



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH II SEMESTER (R20)

**II B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, FEBRUARY - 2024**

**TIME TABLE**

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DAY AND DATE				
	19-02-2024 (Monday)	20-02-2024 (Tuesday)	21-02-2024 (Wednesday)	22-02-2024 (Thursday)	23-02-2024 (Friday)
<b>ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AI ML),CSE(AI),CSE(DS)CS E(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE( CSBS),CSE(IOT),AIDS,IoT,AI ML,CSD)	Computer Organization <b>R2022421</b> (Common to CSE(AI ML),CSE(AI),CSE(DS),CSE(AI DS),AIDS,AI ML)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AI ML),CSE(AI),CSE(DS), CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),C SE(IOT),AIDS,AI ML,IOT)	Data Warehousing and Mining <b>R2022422</b> (Comm to CSE(AI ML),ALDS,CSE(AIDS), AIDS,IOTAI ML,CSD)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AI ML),CSE(AI),C SE(DS),CSE(AIDS),CSE(CS),CSE(IOTC SIBCT),CSE(IOT),AIDS,IOT,AI ML,CSD)
<b>COMPUTER SCIENCE AND DESIGN (62)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AI ML),CSE(AI),CSE(DS)CS E(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE( CSBS),CSE(IOT),AIDS,IoT,AI ML,CSD)	Computer Organization <b>R2022421</b> (Common to CSE(AI ML),CSE(AI),CSE(DS),CSE(AI DS),AIDS,AI ML)	Visual Design and Communication <b>R2022621</b>	Data Warehousing and Mining <b>R2022422</b> (Comm to CSE(AI ML),ALDS,CSE(AIDS), AIDS,IOTAI ML,CSD)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AI ML),CSE(AI),C SE(DS),CSE(AIDS),CSE(CS),CSE(IOTC SIBCT),CSE(IOT),AIDS,IOT,AI ML,CSD)

**NOTE:**

- (i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS, IMMEDIATELY.
- (ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- (iii) THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

Date: 08-02-2024

*H. R. K. K.*  
Controller of Examinations (UG)

*H. R. K. K.*  
**Coordinator-IQAC  
RKCE**



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH II SEMESTER (R20)

**II B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, FEBRUARY - 2024**

**.TIME TABLE**

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DAY AND DATE				
	19-02-2024 (Monday)	20-02-2024 (Tuesday)	21-02-2024 (Wednesday)	22-02-2024 (Thursday)	23-02-2024 (Friday)
<b>FOOD ENGINEERING (51)</b>	Python Programming <b>R2022021</b> (Common to EEE, FE)	Principles of Food Engineering - II <b>R2022511</b>	Food Chemistry <b>R2022512</b>	Processing of Cereals, Pulses and Oilseeds <b>R2022513</b>	Managerial Economics & Financial Analysis <b>R2022015</b>
<b>ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AI ML),CSE(AI),CSE(DS),CSE(AI DS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AI ML,CSD)	Computer Organization <b>R2022421</b> (Common to CSE(AI ML),CSE(AI),CSE(DS),CSE(AI DS),AIDS,AI ML)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AI ML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AI ML,IOT)	Data Warehousing and Mining <b>R2022422</b> (Common to CSE(AI ML),AIDS,CSE(AIDS),AIDS,IOT,AI ML,CSD)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AI ML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AI ML,CSD)
<b>PHARMACEUTICAL ENGINEERING (55)</b>	Heat Transfer for Pharmaceutical Engineers <b>R2022551</b>	Physical Pharmaceutics <b>R2022552</b>	Principles of Microbiology and Biochemistry <b>R2022553</b>	Reaction Engineering for Pharmaceutical Engineers <b>R2022554</b>	Anatomy and Physiology <b>R2022555</b>
<b>CYBER SECURITY (59)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AI ML),CSE(AI),CSE(DS),CSE(AI DS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AI ML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AI ML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AI ML,IOT)	Computer Organization & Architecture <b>R2022061</b> (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AI ML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AI ML,CSD)
<b>INTERNET OF THINGS (60)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AI ML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AI ML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AI ML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AI ML,IOT)	Computer Organization & Architecture <b>R2022061</b> (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AI ML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AI ML,CSD)

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**Coordinator-IQAC  
RKCE**

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PRINCIPAL  
DEPARTMENT OF ENGINEERING  
Jawaharlal Nehru Technological University  
Kakinada (V), Ibrahimpatnam (M),  
Vijayawada, AMARAVATI-521 456



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH II SEMESTER (R20)

**II B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, FEBRUARY - 2024**

**TIME TABLE**

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DAY AND DATE				
	19-02-2024 (Monday)	20-02-2024 (Tuesday)	21-02-2024 (Wednesday)	22-02-2024 (Thursday)	23-02-2024 (Friday)
<b>CSE (Cyber Security) (46)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AI ML),CSE(AI),CSE(DS)CS E(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE( CSBS),CSE(IOT),AIDS,IoT,AI ML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT), CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AI ML),CSE(AI),CSE(DS), CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),C SE(IOT),AIDS,AI ML,IOT)	Computer Organization & Architecture <b>R2022061</b> (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AI ML),CSE(AI),C SE(DS),CSE(AIDS),CSE(CS),CSE(IOTC SIBCT),CSE(IOT),AIDS,IOT,AI ML,CSD)
<b>CSE (Internet of things and Cyber security including Block chain Technology) (47)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AI ML),CSE(AI),CSE(DS)CS E(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE( CSBS),CSE(IOT),AIDS,AI ML)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT), CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AI ML),CSE(AI),CSE(DS), CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),C SE(IOT),AIDS,AI ML,IOT)	Computer Organization & Architecture <b>R2022061</b> (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AI ML),CSE(AI),C SE(DS),CSE(AIDS),CSE(CS),CSE(IOTC SIBCT),CSE(IOT),AIDS,IOT,AI ML,CSD)
<b>CSE (Computer Science and Business System) (48)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AI ML),CSE(AI),CSE(DS)CSE( AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSB S),CSE(IOT),AIDS,IoT,AI ML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT), CSE(CSBS),CSE(IOT), IOT)	Operating Systems <b>R2022481</b> (Common to CSE(CSBS), CS)	Java Programming <b>R2022054</b> (Common to CSE,IT,CSE(CSBS),CS)	Fundamentals of Economics <b>R2022482</b>
<b>CSE (Internet of Things) (49)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AI ML),CSE(AI),CSE(DS)CSE(AI DS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CS E(IOT),AIDS,IoT,AI ML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIB CT),CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AI ML),CSE(AI),CSE(DS),CS E(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(I OT),AIDS,AI ML,IOT)	Computer Organization & Architecture <b>R2022061</b> (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AI ML),CSE(AI),CSE(D S),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CS E(IOT),AIDS,IOT,AI ML,CSD)

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**Coordinator-IQAC  
RKCE**

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH II SEMESTER (R20)

## II B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, FEBRUARY - 2024

### TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DAY AND DATE				
	19-02-2024 (Monday)	20-02-2024 (Tuesday)	21-02-2024 (Wednesday)	22-02-2024 (Thursday)	23-02-2024 (Friday)
<b>CSE (Artificial Intelligence) (43)</b>	<b>Probability and Statistics R2022051</b> (Common to CSE,CST,CSE(AI ML),CSE(AI),CSE(DS)CS E(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE( CSBS),CSE(IOT),AIDS,IoT,AI ML,CSD)	<b>Computer Organization R2022421</b> (Common to CSE(AI ML),CSE(AI),CSE(DS),CSE(AI DS),AIDS,AI ML)	<b>Formal Languages and Automata Theory R2022053</b> (Common to CSE,CST,CSE(AI ML),CSE(AI),CSE(DS), CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),C SE(IOT),AIDS,AI ML,IOT)	<b>Data Warehousing and Mining R2022422</b> (Comm to CSE(AI ML),AI,DS,CSE(AIDS), AIDS,IOTA I ML,CSD)	<b>Managerial Economics and Financial Accountancy R2022055</b> (Common to CSE,CST,IT,MM,CSE(AI ML),CSE(AI),C SE(DS),CSE(AIDS),CSE(CS),CSE(IOTC SIBCT),CSE(IOT),AIDS,IOT,AI ML,CSD)
<b>CSE (Data Science) (44)</b>	<b>Probability and Statistics R2022051</b> (Common to CSE,CST,CSE(AI ML),CSE(AI),CSE(DS)CS E(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE( CSBS),CSE(IOT),AIDS,IoT,AI ML,CSD)	<b>Computer Organization R2022421</b> (Common to CSE(AI ML),CSE(AI),CSE(DS),CSE(AI DS),AIDS,AI ML)	<b>Formal Languages and Automata Theory R2022053</b> (Common to CSE,CST,CSE(AI ML),CSE(AI),CSE(DS), CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),C SE(IOT),AIDS,AI ML,IOT)	<b>Data Warehousing and Mining R2022422</b> (Comm to CSE(AI ML),AI,DS,CSE(AIDS), AIDS,IOTA I ML,CSD)	<b>Managerial Economics and Financial Accountancy R2022055</b> (Common to CSE,CST,IT,MM,CSE(AI ML),CSE(AI),C SE(DS),CSE(AIDS),CSE(CS),CSE(IOTC SIBCT),CSE(IOT),AIDS,IOT,AI ML,CSD)
<b>CSE (Artificial Intelligence and Data Science) (45)</b>	<b>Probability and Statistics R2022051</b> (Common to CSE,CST,CSE(AI ML),CSE(AI),CSE(DS)CS E(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE( CSBS),CSE(IOT),AIDS,IoT,AI ML,CSD)	<b>Computer Organization R2022421</b> (Common to CSE(AI ML),CSE(AI),CSE(DS),CSE(AI DS),AIDS,AI ML)	<b>Formal Languages and Automata Theory R2022053</b> (Common to CSE,CST,CSE(AI ML),CSE(AI),CSE(DS), CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),C SE(IOT),AIDS,AI ML,IOT)	<b>Data Warehousing and Mining R2022422</b> (Comm to CSE(AI ML),AI,DS,CSE(AIDS), AIDS,IOTA I ML,CSD)	<b>Managerial Economics and Financial Accountancy R2022055</b> (Common to CSE,CST,IT,MM,CSE(AI ML),CSE(AI),C SE(DS),CSE(AIDS),CSE(CS),CSE(IOTC SIBCT),CSE(IOT),AIDS,IOT,AI ML,CSD)

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**Coordinator-IQAC  
RKCE**

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**PRINCIPAL**  
DEPARTMENT OF ENGINEERING  
Jawaharlal Nehru Technological University  
Kakinada (V), Ibrahimpatnam (M),  
Vijayawada, AMARAVATI-521 456



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH II SEMESTER (R20)

## II B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, FEBRUARY - 2024

### TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DAY AND DATE				
	19-02-2024 (Monday)	20-02-2024 (Tuesday)	21-02-2024 (Wednesday)	22-02-2024 (Thursday)	23-02-2024 (Friday)
<b>MINING ENGINEERING (26-MM)</b>	Complex Variables and Statistical Methods <b>R2022011</b> (Comm to CE,ME,AME,MM)	Fluid Mechanics and Hydraulic Power <b>R2022261</b>	Rock Mechanics <b>R2022262</b>	Mine Ventilation <b>R2022263</b>	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)
<b>PETROLEUM ENGINEERING/PETROLEUM TECHNOLOGY (27-PE)</b>	Mathematics –IV <b>R2022271</b>	Instrumentation, Process Dynamics & Control <b>R2022272</b>	Thermodynamics for Petroleum Engineers <b>R2022273</b>	Drilling & Well Completions <b>R2022274</b>	Management and Organizational Behavior <b>R2022045</b> (Common to ECE, PE)
<b>AGRICULTURAL ENGINEERING (35-AGE)</b>	Heat and Mass Transfer <b>R2022351</b>	Ground Water Hydrology, Well and Pumps <b>R2022352</b>	Theory of Structures <b>R2022353</b>	Soil Mechanics <b>R2022354</b>	Managerial Economics & Financial Analysis <b>R2022015</b> (Comm to CE,EEE,EIE,ECT,AGE,FE)
<b>CSE (Artificial Intelligence and Machine Learning) (42)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IOT,AIML,CSD)	Computer Organization <b>R2022421</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Data Warehousing and Mining <b>R2022422</b> (Comm to CSE(AIML),AIDS,CSE(AIDS),AIDS,IOT,AIML,CSD)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)

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**Coordinator-IQAC  
RKCE**

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PRINCIPAL  
DEPARTMENT OF ENGINEERING  
30  
Bhavanakonda (V), Ibrahimpatnam (M),  
Vijayawada, AMARAVATI-521 456



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH II SEMESTER (R20)

**II B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, FEBRUARY - 2024**

**TIME TABLE**

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DAY AND DATE				
	19-02-2024 (Monday)	20-02-2024 (Tuesday)	21-02-2024 (Wednesday)	22-02-2024 (Thursday)	23-02-2024 (Friday)
<b>COMPUTER SCIENCE &amp; TECHNOLOGY (06)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AI ML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AI ML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AI ML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AI ML,IOT)	Computer Organization & Architecture <b>R2022061</b> (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AI ML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AI ML,CSD)
<b>ELECTRONICS AND INSTRUMENTATION ENGINEERING (10-EIE)</b>	Electronic Circuit Analysis <b>R2022041</b> (Comm to ECE,EIE,ECT)	Microprocessor and Microcontrollers <b>R2022101</b>	Integrated Circuits and applications <b>R2022102</b>	Linear Control Systems <b>R2022044</b> (Common to ECE,EIE)	Managerial Economics & Financial Analysis <b>R2022015</b> (Comm to CE,EEE,EIE,ECT,AGE,FE)
<b>INFORMATION TECHNOLOGY (12-IT)</b>	Statistics with R <b>R2022121</b>	Principles of Software Engineering <b>R2022122</b>	Automata Theory and Compiler Design <b>R2022123</b>	Java Programming <b>R2022054</b> (Common to CSE,IT,CSE(CSBS),CS)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AI ML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AI ML,CSD)
<b>ELECTRONICS &amp; COMMUNICATION TECHNOLOGY (14)</b>	Electronic Circuit Analysis <b>R2022041</b> (Comm to ECE,EIE,ECT)	Computer Architecture and Organization <b>R2022141</b>	Analog Communications <b>R2022043</b> (Common to ECE,ECT)	Electromagnetic Waves and Transmission Lines <b>R2022142</b>	Managerial Economics & Financial Analysis <b>R2022015</b> (Comm to CE,EEE,EIE,ECT,AGE,FE)
<b>AUTO MOBILE ENGINEERING (24-AME)</b>	Complex Variables and Statistical Methods <b>R2022011</b> (Comm to CE,ME,AME,MM)	Applied Thermodynamics <b>R2022241</b>	Automobile Engines <b>R2022242</b>	Automobile Electrical and Electronics <b>R2022243</b>	Operations Research <b>R2022244</b>

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II B.TECH II SEMESTER (R20)

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**II B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, FEBRUARY - 2024****TIME TABLE**

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DAY AND DATE				
	19-02-2024 (Monday)	20-02-2024 (Tuesday)	21-02-2024 (Wednesday)	22-02-2024 (Thursday)	23-02-2024 (Friday)
<b>CIVIL ENGINEERING (01-CE)</b>	Complex Variables and Statistical Methods <b>R2022011</b> (Comm to CE,ME,AME,MM)	Strength of Materials -II <b>R2022012</b>	Hydraulics and Hydraulic Machinery <b>R2022013</b>	Environmental Engineering <b>R2022014</b>	Managerial Economics & Financial Analysis <b>R2022015</b> (Comm to CE,EEE,EIE,ECT,AGE,FE)
<b>ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)</b>	Python Programming <b>R2022021</b> (Common to EEE, FE)	Digital Electronics <b>R2022022</b>	Power System-I <b>R2022023</b>	Induction and Synchronous Machines <b>R2022024</b>	Managerial Economics & Financial Analysis <b>R2022015</b> (Comm to CE,EEE,EIE,ECT,AGE,FE)
<b>MECHANICAL ENGINEERING (03-ME)</b>	Complex Variables and Statistical Methods <b>R2022011</b> (Comm to CE,ME,AME,MM)	Material Science & Metallurgy <b>R2022031</b>	Dynamics of Machinery <b>R2022032</b>	Thermal Engineering-I <b>R2022033</b>	Industrial Engineering and Management <b>R2022034</b>
<b>ELECTRONICS &amp; COMMUNICATION ENGINEERING (04-ECE)</b>	Electronic Circuit Analysis <b>R2022041</b> (Comm to ECE,EIE,ECT)	Digital IC Design <b>R2022042</b>	Analog Communications <b>R2022043</b> (Common to ECE,ECT)	Linear Control Systems <b>R2022044</b> (Common to ECE,EIE)	Management and Organizational Behavior <b>R2022045</b> (Common to ECE, PE)
<b>COMPUTER SCIENCE &amp; ENGINEERING (05-CSE)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Java Programming <b>R2022054</b> (Common to CSE,IT,CSE(CSBS),CS)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH II SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, APRIL/MAY - 2024

### TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DATE & DAY					
	29.04.2024 (Monday)	30.04.2024 (Tuesday)	01.05.2024 (Wednesday)	02.05.2024 (Thursday)	03.05.2024 (Friday)	04.05.2024 (Saturday)
<b>COMPUTER SCIENCE AND DESIGN (62)</b>	<b>Computer Networks (R2032421)</b> (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	<b>Computer Aided Design (R2032621)</b>	<b>Design and Analysis of Algorithms (R2031423)</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AI ML)	<b>Professional Elective (PE) :- Deep Learning R203244A</b> (Common to CSE(DS),CSE(AIDS),AIDS,CSD) <b>Software Project Management R203242A</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS ,AIML,CSD) <b>Distributed Systems R203242B</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS ,AIML,CSD) <b>Network Programming R203205D</b> (Comm to CSE,CSE(AIML),CSE(AI),AIML,CSD)	<b>Open Elective (OE II) :- MEAN Stack Development R203205E</b> (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS, ,AIML,CSD)	.....

**NOTE:**

- (i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS, IMMEDIATELY.
- (ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- (iii) THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

Date: 15-04-2024

**Controller of Examinations (UG)**

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

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## III B.TECH II SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, APRIL/MAY - 2024

### TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DATE & DAY					
	29.04.2024 (Monday)	30.04.2024 (Tuesday)	01.05.2024 (Wednesday)	02.05.2024 (Thursday)	03.05.2024 (Friday)	04.05.2024 (Saturday)
<b>PHARMACEUTICAL ENGINEERING (55)</b>	Pharmaceutical Engineering – II (R2032551)	Instrumental Methods of Analysis (R2032552)	Principles of Transducers and Measurements (R2032553)	<b>Professional Elective (PE) :-</b> Computer Aided Drug Design R203255A Pharmaceutical Regulatory Affairs R203255B Novel Drug Delivery Systems R203255C	<b>Open Elective (OE II) :-</b> Hospital Management and Information Systems R203255D Neural Networks and Fuzzy Logic R203255E Introduction to Database Management R203255F	Water Conservation Management (R2032554)
<b>CYBER SECURITY (59)</b>	Machine Learning (R2032462) (Common to CSE(CS)/CSE(IOT),CS)	Cryptography and Network Security (R2032461) (Common to IT,CSE(DS),CSE(AIDS),AIDS)	Introduction to Cyber Security (R2032463) (Common to CSE(CS),IOTCSIBCT,CS)	.....	<b>Open Elective (OE II) :-</b> Web Services R203246B (Common to CSE(CS)/IOTCSIBCT,CS)	.....
<b>ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)</b>	Computer Networks (R2032421) (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Deep Learning (R2032422) (Common to CSE(AIML), CSE(AI),AIML)	Design and Analysis of Algorithms (R2032423) (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	<b>Professional Elective (PE) :-</b> Software Project Management R203242A (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Distributed Systems R203242B (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Internet of Things R203242C (Common to CSE(AIML),CSE(AI),AIML) Network Programming R203205D (Comm to CSE,CSE(AIML),CSE(AI),AIML,CSD)	<b>Open Elective (OE II) :-</b> MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	.....

  
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UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH II SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, APRIL/MAY - 2024

### TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DATE & DAY					
	29.04.2024 (Monday)	30.04.2024 (Tuesday)	01.05.2024 (Wednesday)	02.05.2024 (Thursday)	03.05.2024 (Friday)	04.05.2024 (Saturday)
<b>CSE</b> (Internet of things and Cyber security including Block chain Technology) (47)	Block Chain Technologies (R2032471)	Cryptography and Network Security (R2032461) (Common to IT,CSE(DS),CSE(AIDS), AIDS)	Introduction to Cybersecurity (R2032463) (Common to CSE(CS),IOTCSIBCT, CS)	.....	<b>Open Elective (OE II) :-</b> Web Services R203246B (Comm to CSE(CS)IOTCSIBCT,CS)	.....
<b>CSE</b> (Internet of Things) (49)	Machine Learning (R2032462) (Common to CSE(CS)CSE(IOT),CS)	Embedded System Design (R2032491)	Sensors and Actuator Devices for IoT (R2032492)	.....	<b>Open Elective (OE II) :-</b> Social Network and Semantic Web Course R203249B	.....
<b>FOOD ENGINEERING</b> (51)	Mass Transfer in Food Processing (R2032511)	Processing of Milk, Meat and Marine Products (R2032512)	Food Packaging Technologies (R2032513)	Separation Techniques in Food Processing R203251A Thermal Operations in Food Processing R203251B Automation in Food Industry R203251C	Membrane Technology in Food Engineering R203251D Renewable Energy Systems R203251E TQM in Food Industry R203251F	.....
<b>ARTIFICIAL INTELLIGENCE AND DATA SCIENCE</b> (54)	Computer Networks (R2032421) (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Big Data Analytics (R2032121) (Common to IT,CSE(DS),CSE(AIDS), AIDS)	Design and Analysis of Algorithms (R2032423) (Common to CSE(AIML),CSE(AI), CSE(DS),CSE(AIDS), AIDS,AIML)	<b>Professional Elective (PE) :-</b> Deep Learning R203244A (Common to CSE(DS),CSE(AIDS),AIDS,CSD) Software Project Management R203242A Distributed Systems R203242B (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS ,AIML,CSD) Data Wrangling in Data Science R203244B (Common to CSE(DS),CSE(AIDS),AIDS) Snow Flake Cloud Analytics R203245A (Common to CSE(AIDS),AIDS)	<b>Open Elective (OE II) :-</b> MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS, ,AIML,CSD)	.....

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## III B.TECH II SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, APRIL/MAY - 2024

### TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DATE & DAY					
	29.04.2024 (Monday)	30.04.2024 (Tuesday)	01.05.2024 (Wednesday)	02.05.2024 (Thursday)	03.05.2024 (Friday)	04.05.2024 (Saturday)
<b>CIVIL ENGINEERING (01 CE)</b>	Design And Drawing of Steel Structures (R2032011)	Water Resource Engineering (R2032012)	Geotechnical Engineering-II (R2032013)	<b>Professional Elective (PE- II) :-</b> Advanced Structural Analysis R203201A Architecture and Town Planning R203201B Road Safety Engineering R203201C Traffic Engineering R203201D	<b>Open Elective (OE II) :-</b> Elements of Civil Engineering R203201E Environmental Engineering R203201F Disaster Management R203201G Water Resource Engineering R203201H Hydraulics and Hydraulic Machinery R203201I Green Technologies R203201J Remote Sensing and GIS R203201K (Common to CE,MM)	.....
<b>ELECTRICAL AND ELECTRONICS ENGINEERING (02 EEE)</b>	Microprocessors and Microcontrollers (R2032021)	Electrical Measurements and Instrumentation (R2032022)	Power System Analysis (R2032023)	<b>Professional Elective (PE) :-</b> Signal and Systems R203202A Electric Drives R203202B Advanced Control Systems R203202C Switchgear and Protection R203202D Big Data Analytics R203202E	<b>Open Elective (OE II) :-</b> Battery Management Systems and Charging Stations R203202F Fundamentals of utilization of Electrical Energy R203202G Indian Electricity Act R203202H	.....
<b>MECHANICAL ENGINEERING (03 ME)</b>	Heat Transfer (R2032031)	Design of Machine Members-II (R2031032)	Introduction to Artificial Intelligence and Machine Learning (R2032033)	<b>Professional Elective (PE) :-</b> Automobile Engineering R203203A Smart Manufacturing R203203B Advanced Mechanics of Solids R203203C Statistical Quality Control R203203D Industrial Hydraulics and Pneumatics R203203E	<b>Open Elective (OE II) :-</b> Industrial Robotics R203203G Essentials of Mechanical Engineering R203203H Advanced Materials R203203I Introduction to Automobile Engineering R203203J	.....

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## III B.TECH II SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, APRIL/MAY - 2024

### TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DATE & DAY					
	29.04.2024 (Monday)	30.04.2024 (Tuesday)	01.05.2024 (Wednesday)	02.05.2024 (Thursday)	03.05.2024 (Friday)	04.05.2024 (Saturday)
<b>CSE (Data Science) (44)</b>	Computer Networks (R2032421) (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Big Data Analytics (R2032121) (Common to IT,CSE(DS),CSE(AIDS), AIDS)	Design and Analysis of Algorithms (R2032423) (Common to CSE(AIML),CSE(AIDS), CSE(DS),CSE(AIDS), AIDS,AIML)	<u>Professional Elective (PE) :-</u> Deep Learning R203244A (Comm to CSE(DS),CSE(AIDS),AIDS,CSD) Software Project Management R203242A (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS, AIML,CSD) Distributed Systems R203242B (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS, AIML,CSD) Data Wrangling in Data Science R203244B (Comm to CSE(DS),CSE(AIDS),AIDS) ETL Principles R203244C	<u>Open Elective (OE II) :-</u> MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS, AIML,CSD)	.....
<b>CSE (Artificial Intelligence and Data Science) (45)</b>	Computer Networks (R2032421) (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Big Data Analytics (R2032121) (Common to IT,CSE(DS),CSE(AIDS), AIDS)	Design and Analysis of Algorithms (R2032423) (Common to CSE(AIML),CSE(AIDS), CSE(DS),CSE(AIDS), AIDS,AIML)	<u>Professional Elective (PE) :-</u> Deep Learning R203244A (Comm to CSE(DS),CSE(AIDS),AIDS,CSD) Software Project Management R203242A (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS, AIML,CSD) Distributed Systems R203242B (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS, AIML,CSD) Data Wrangling in Data Science R203244B (Comm to CSE(DS),CSE(AIDS),AIDS) Snow Flake Cloud Analytics R203245A (Common to CSE(AIDS),AIDS)	<u>Open Elective (OE II) :-</u> MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS, AIML,CSD)	.....
<b>CSE (Cyber Security) (46)</b>	Machine Learning (R2032462) (Common to CSE(CS),CSE(IOT),CS)	Cryptography and Network Security (R2032461) (Comm to CSE(CS),IOTCSIBCT,CS)	Introduction to Cyber Security (R2032463) (Common to CSE(CS),IOTCSIBCT,CS)	.....	<u>Open Elective (OE II) :-</u> Web Services R203246B (Comm to CSE(CS),IOTCSIBCT,CS)	.....

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
UNIVERSITY EXAMINATION CENTER, KAKINADA  
**III B.TECH II SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, APRIL/MAY - 2024**  
**TIME TABLE**

**TIME: 10.00 AM TO 12.00 NOON**

BRANCH	DATE & DAY					
	29.04.2024 (Monday)	30.04.2024 (Tuesday)	01.05.2024 (Wednesday)	02.05.2024 (Thursday)	03.05.2024 (Friday)	04.05.2024 (Saturday)
<b>INFORMATION TECHNOLOGY (12 IT)</b>	Machine Learning (R2032051) (Common to CSE,IT)	Big Data Analytics (R2032121) (Comm to IT,CSE(DS),CSE(AIDS), AIDS)	Cryptography and Network Security (R2032053) (Common to CSE,IT)	<b>Professional Elective (PE II) :-</b> Mobile Computing R203205A (Common to CSE,IT) MEAN Stack Development R203212A Design Patterns R203212B Scripting Languages R203212C	<b>Open Elective (OE II) :-</b> Python Programming R203205F (Common to CSE,IT) Web Technologies R203205G (Common to CSE,IT) Soft Computing R203205H (Common to CSE,IT) Distributed Computing R203205I (Common to CSE,IT) AI and ML for Robotics R203205J (Common to CSE,IT) Computer Networks R203205K (Common to CSE,IT) Big Data Analytics R203205L (Common to CSE,IT) Computational Tools R203205M (Common to CSE,IT)	.....
<b>AUTO MOBILE ENGINEERING (24 AME)</b>	Automobile Components and Chassis Design (R2032241)	Automobile Transmission Systems (R2032242)	Vehicle Body Engineering (R2032243)	<b>Professional Elective (PE II) :-</b> CFD for Automobile Applications R203224A Condition Monitoring R203224B Noise Vibrations and Harshness R203224C Mechatronics R203224D Measurements and Control Systems R203224E	<b>Open Elective (OE II) :-</b> Alternative Fuels for Automobiles R203224G Vehicle Stability and Control R203224H Electric Vehicles and Hybrid Technology R203224I	.....
<b>MINING ENGINEERING (26 MM)</b>	Surface Mining (R2032261)	Mine Legislation and Safety (R2032262)	Underground Metal Mining (R2032263)	<b>Professional Elective (PE) :-</b> Computer Applications and Tools R203226A Mine Economics R203226B Mine Mechanization R203226C Mine Automation R203226D	<b>Open Elective (OE II) :-</b> Mineral Economics, Business and Trade R203226E Landslides & Slope Stability Engineering R203226F Remote Sensing and GIS R203201K Geostatistics R203226G	.....

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TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DATE & DAY					
	29.04.2024 (Monday)	30.04.2024 (Tuesday)	01.05.2024 (Wednesday)	02.05.2024 (Thursday)	03.05.2024 (Friday)	04.05.2024 (Saturday)
<b>ELECTRONICS &amp; COMMUNICATION ENGINEERING (04 ECE)</b>	Microprocessor and Microcontrollers (R2032041)	VLSI Design (R2032042)	Digital Signal Processing (R2032043)	<b>Professional Elective (PE) :-</b> Microwave Engineering R203204A Mobile & Cellular Communication R203204B Embedded Systems R203204C CMOS Analog IC Design R203204D	<b>Open Elective (OE II) :-</b> Basics of Signals and Systems R203204E Electronic Measurements and Instrumentation R203204F Principles of Signal Processing R203204G Industrial Electronics R203204H Consumer Electronics R203204I Fundamentals of Microprocessors and Microcontrollers R203204J Transducers and Sensors R203204K IOT and Applications R203204L Soft Computing Techniques R203204M IC Applications R203204N Principles of Communications R203204O Basic Electronics R203204P Data Communications R203204Q Digital Logic Design R203204R Remote Sensing and GIS R203204S Bio Medical Instrumentation R203204T	.....
<b>COMPUTER SCIENCE &amp; ENGINEERING (05 CSE)</b>	Machine Learning (R2032051) (Common to CSE,IT)	Compiler Design (R2032052)	Cryptography and Network Security (R2032053) (Common to CSE,IT)	<b>Professional Elective (PE) :-</b> Mobile Computing R203205A (Common to CSE,IT) Big Data Analytics R203205B Object Oriented Analysis and Design R203205C Network Programming R203205D (Comm to CSE,CSE(AIML),CSE(AI),AIML,CSD)	<b>Open Elective (OE II) :-</b> MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Python Programming R203205F (Common to CSE,IT) Web Technologies R203205G (Common to CSE,IT) Soft Computing R203205H Distributed Computing R203205I (Common to CSE,IT) AI and ML for Robotics R203205J (Common to CSE,IT) Computer Networks R203205K (Common to CSE,IT) Big Data Analytics R203205L (Common to CSE,IT) Computational Tools R203205M (Common to CSE,IT)	.....

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III B.TECH II SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, APRIL/MAY - 2024

TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DATE & DAY					
	29.04.2024 (Monday)	30.04.2024 (Tuesday)	01.05.2024 (Wednesday)	02.05.2024 (Thursday)	03.05.2024 (Friday)	04.05.2024 (Saturday)
AGRICULTURAL ENGINEERING (35 AGE)	Soil and Water Conservation Engineering (R2032351)	Farm Machinery and Equipment - II (R2032352)	Agricultural Process Engineering (R2032353)	Professional Elective (PE) :- Food Packaging Technology R203235A Watershed Management R203235B Human Engineering and Safety R203235C	Open Elective (OE II) :- Principles of Soil Science and Agronomy R203235D Farm Power and Tractor Systems R203235E Soil and Water Conservation Engineering R203235F Ground Water Hydrology, Wells and Pumps R203235G, Surface Water Hydrology R203235H, Post Harvest Engineering of Cereals, Pulses and Oilseeds R203235I, Agricultural Process Engineering R203235J	.....
CSE (Artificial Intelligence and Machine Learning) (42)	Computer Networks (R2032421) (Comm to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	Deep Learning (R2032422) (Common to CSE(AIML), CSE(AI), AIML)	Design and Analysis of Algorithms (R2032423) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	Professional Elective (PE) :- Software Project Management R203242A (Comm to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD) Distributed Systems R203242B (Comm to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD) Internet of Things R203242C (Comm to CSE(AIML), CSE(AI), AIML) Network Programming R203205D (Comm to CSE, CSE(AIML), CSE(AI), AIML, CSD)	Open Elective (OE I) :- MEAN Stack Development R203205E (Common to CSE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	.....
CSE (Artificial Intelligence) (43)	Computer Networks (R2032421) (Comm to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	Deep Learning (R2032422) (Common to CSE(AIML), CSE(AI), AIML)	Design and Analysis of Algorithms (R2032423) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML)	Professional Elective (PE) :- Software Project Management R203242A (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD) Distributed Systems R203242B (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD) Internet of Things R203242C (Common to CSE(AIML), CSE(AI), AIML) Network Programming R203205D (Comm to CSE, CSE(AIML), CSE(AI), AIML, CSD) Expert Systems R203243A	Open Elective (OE II) :- MEAN Stack Development R203205E (Common to CSE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	.....

Coordinator-IQAC  
RKCE



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, FEB/MAR - 2024

### TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DATE & DAY					
	26.02.2024 (Monday)	27.02.2024 (Tuesday)	28.02.2024 (Wednesday)	29.02.2024 (Thursday)	01.03.2024 (Friday)	02.03.2024 (Saturday)
<b>ELECTRONICS &amp; COMMUNICATION ENGINEERING (04 ECE)</b>	Microprocessor and Microcontrollers (R2032041)	VLSI Design (R2032042)	Digital Signal Processing (R2032043)	<b>Professional Elective (PE) :-</b> Microwave Engineering R203204A Mobile & Cellular Communication R203204B Embedded Systems R203204C CMOS Analog IC Design R203204D	<b>Open Elective (OE II) :-</b> Basics of Signals and Systems R203204E Electronic Measurements and Instrumentation R203204F Principles of Signal Processing R203204G Industrial Electronics R203204H Consumer Electronics R203204I Fundamentals of Microprocessors and Microcontrollers R203204J Transducers and Sensors R203204K IOT and Applications R203204L Soft Computing Techniques R203204M IC Applications R203204N Principles of Communications R203204O Basic Electronics R203204P Data Communications R203204Q Digital Logic Design R203204R Remote Sensing and GIS R203204S Bio Medical Instrumentation R203204T	.....
<b>COMPUTER SCIENCE &amp; ENGINEERING (05 CSE)</b>	Machine Learning (R2032051) (Common to CSE,IT)	Compiler Design (R2032052)	Cryptography and Network Security (R2032053) (Common to CSE,IT)	<b>Professional Elective (PE) :-</b> Mobile Computing R203205A (Common to CSE,IT) Big Data Analytics R203205B Object Oriented Analysis and Design R203205C Network Programming R203205D (Comm to CSE,CSE(AIML),CSE(AI),AIML,CSD)	<b>Open Elective (OE II) :-</b> MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Python Programming R203205F (Common to CSE,IT) Web Technologies R203205G (Common to CSE,IT) Soft Computing R203205H Distributed Computing R203205I (Common to CSE,IT) AI and ML for Robotics R203205J (Common to CSE,IT) Computer Networks R203205K (Common to CSE,IT) Big Data Analytics R203205L (Common to CSE,IT) Computational Tools R203205M (Common to CSE,IT)	.....

Coordinator-IQAC  
RKCE

Principal  
Department of Engineering  
Jawaharlal Nehru Technological University  
Kakinada (V), Ibrahimpatnam (M),  
Tijayawada, AMARAVATI-521 456



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, FEB/MAR - 2024

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<b>PHARMACEUTICAL ENGINEERING (55)</b>	Pharmaceutical Engineering – II (R2032551)	Instrumental Methods of Analysis (R2032552)	Principles of Transducers and Measurements (R2032553)	<b>Professional Elective (PE) :-</b> Computer Aided Drug Design <b>R203255A</b> Pharmaceutical Regulatory Affairs <b>R203255B</b> Novel Drug Delivery Systems <b>R203255C</b>	<b>Open Elective (OE II) :-</b> Hospital Management and Information Systems <b>R203255D</b> Neural Networks and Fuzzy Logic <b>R203255E</b> Introduction to Database Management <b>R203255F</b>	Water Conservation Management (R2032554)
<b>CYBER SECURITY (59)</b>	Machine Learning (R2032462) <small>(Common to CSE(CS),CSE(IOT),CS)</small>	Cryptography and Network Security (R2032461) <small>(Common to IT,CSE(DS),CSE(AIDS),AIDS)</small>	Introduction to Cyber Security (R2032463) <small>(Common to CSE(CS),IOTCSIBCT,CS)</small>	.....	<b>Open Elective (OE II) :-</b> Web Services <b>R203246B</b> <small>(Common to CSE(CS),IOTCSIBCT,CS)</small>	.....
<b>ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)</b>	Computer Networks (R2032421) <small>(Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)</small>	Deep Learning (R2032422) <small>(Common to CSE(AIML), CSE(AI),AIML)</small>	Design and Analysis of Algorithms (R2032423) <small>(Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)</small>	<b>Professional Elective (PE) :-</b> Software Project Management <b>R203242A</b> <small>(Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)</small> Distributed Systems <b>R203242B</b> <small>(Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)</small> Internet of Things <b>R203242C</b> (Common to CSE(AIML),CSE(AI),AIML) Network Programming <b>R203205D</b> <small>(Comm to CSE,CSE(AIML),CSE(AI),AIML,CSD)</small>	<b>Open Elective (OE II) :-</b> MEAN Stack Development <b>R203205E</b> <small>(Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)</small>	.....

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Coordinator-IGAC  
RKCE

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PRINCIPAL  
REGULATORY ENGINEERING  
S. Hanakonda (V), Ibrahimpatnam (M),  
Vijayawada, AMARAVATI-521 456



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, FEB/MAR - 2024

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CSE (Internet of things and Cyber security including Block chain Technology) (47)	Block Chain Technologies (R2032471)	Cryptography and Network Security (R2032461) (Common to IT,CSE(DS),CSE(AIDS), AIDS)	Introduction to Cybersecurity (R2032463) (Common to CSE(CS),IOTCSIBCT, CS)	.....	<u>Open Elective (OE II) :-</u> Web Services R203246B (Comm to CSE(CS)IOTCSIBCT,CS)	.....
CSE (Internet of Things) (49)	Machine Learning (R2032462) (Common to CSE(CS),CSE(IOT),CS)	Embedded System Design (R2032491)	Sensors and Actuator Devices for IoT (R2032492)	.....	<u>Open Elective (OE II) :-</u> Social Network and Semantic Web Course R203249B	.....
FOOD ENGINEERING (51)	Mass Transfer in Food Processing (R2032511)	Processing of Milk, Meat and Marine Products (R2032512)	Food Packaging Technologies (R2032513)	Separation Techniques in Food Processing R203251A Thermal Operations in Food Processing R203251B Automation in Food Industry R203251C	Membrane Technology in Food Engineering R203251D Renewable Energy Systems R203251E TQM in Food Industry R203251F	.....
ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)	Computer Networks (R2032421) (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Big Data Analytics (R2032121) (Common to IT,CSE(DS),CSE(AIDS), AIDS)	Design and Analysis of Algorithms (R2032423) (Common to CSE(AIML),CSE(AI), CSE(DS),CSE(AIDS), AIDS,AIML)	<u>Professional Elective (PE) :-</u> Deep Learning R203244A (Common to CSE(DS),CSE(AIDS),AIDS,CSD) Software Project Management R203242A Distributed Systems R203242B (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS ,AIML,CSD) Data Wrangling in Data Science R203244B (Common to CSE(DS),CSE(AIDS),AIDS) Snow Flake Cloud Analytics R203245A (Common to CSE(AIDS),AIDS)	<u>Open Elective (OE II) :-</u> MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS, AIML,CSD)	.....

Coordinator-IGAC  
RKCE

Principal  
SCHOOL OF ENGINEERING  
Kakinada (V), Ibrahimpatnam (M),  
Vijayawada, AMARAVATI-521 456



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, FEB/MAR - 2024

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<b>CSE (Data Science) (44)</b>	Computer Networks <b>(R2032421)</b> (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Big Data Analytics <b>(R2032121)</b> (Common to IT,CSE(DS),CSE(AIDS),AIDS)	Design and Analysis of Algorithms <b>(R2032423)</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	<b>Professional Elective (PE) :-</b> Deep Learning <b>R203244A</b> (Comm to CSE(DS),CSE(AIDS),AIDS,CSD) Software Project Management <b>R203242A</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Distributed Systems <b>R203242B</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Data Wrangling in Data Science <b>R203244B</b> (Comm to CSE(DS),CSE(AIDS),AIDS) ETL Principles <b>R203244C</b>	<b>Open Elective (OE II) :-</b> MEAN Stack Development <b>R203205E</b> (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	.....
<b>CSE (Artificial Intelligence and Data Science) (45)</b>	Computer Networks <b>(R2032421)</b> (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Big Data Analytics <b>(R2032121)</b> (Common to IT,CSE(DS),CSE(AIDS),AIDS)	Design and Analysis of Algorithms <b>(R2032423)</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	<b>Professional Elective (PE) :-</b> Deep Learning <b>R203244A</b> (Comm to CSE(DS),CSE(AIDS),AIDS,CSD) Software Project Management <b>R203242A</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Distributed Systems <b>R203242B</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Data Wrangling in Data Science <b>R203244B</b> (Comm to CSE(DS),CSE(AIDS),AIDS) Snow Flake Cloud Analytics <b>R203245A</b> (Common to CSE(AIDS),AIDS)	<b>Open Elective (OE II) :-</b> MEAN Stack Development <b>R203205E</b> (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	.....
<b>CSE (Cyber Security) (46)</b>	Machine Learning <b>(R2032462)</b> (Common to CSE(CS),CSE(IOT),CS)	Cryptography and Network Security <b>(R2032461)</b> (Comm to CSE(CS),IOTCSIBCT,CS)	Introduction to Cyber Security <b>(R2032463)</b> (Common to CSE(CS),IOTCSIBCT,CS)	.....	<b>Open Elective (OE II) :-</b> Web Services <b>R203246B</b> (Comm to CSE(CS)IOTCSIBCT,CS)	.....

**Coordinator-IQAC  
RKCE**

  
 PRINCIPAL  
 JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY  
 KAKINADA (V), RAJAMPATNAM (M).  
 Vijayawada, AMARAVATI-521 456



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, FEB/MAR - 2024

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<b>AGRICULTURAL ENGINEERING (35 AGE)</b>	Soil and Water Conservation Engineering (R2032351)	Farm Machinery and Equipment - II (R2032352)	Agricultural Process Engineering (R2032353)	<b>Professional Elective (PE) :-</b> Food Packaging Technology R203235A Watershed Management R203235B Human Engineering and Safety R203235C	<b>Open Elective (OE II) :-</b> Principles of Soil Science and Agronomy R203235D Farm Power and Tractor Systems R203235E Soil and Water Conservation Engineering R203235F Ground Water Hydrology, Wells and Pumps R203235G, Surface Water Hydrology R203235H, Post Harvest Engineering of Cereals, Pulses and Oilseeds R203235I, Agricultural Process Engineering R203235J	.....
<b>CSE (Artificial Intelligence and Machine Learning) (42)</b>	Computer Networks (R2032421) (Comm to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	Deep Learning (R2032422) (Common to CSE(AIML), CSE(AI), AIML)	Design and Analysis of Algorithms (R2032423) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Professional Elective (PE) :-</b> Software Project Management R203242A (Comm to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD) Distributed Systems R203242B (Comm to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD) Internet of Things R203242C (Comm to CSE(AIML), CSE(AI), AIML) Network Programming R203205D (Comm to CSE, CSE(AIML), CSE(AI), AIML, CSD)	<b>Open Elective (OE I) :-</b> MEAN Stack Development R203205E (Common to CSE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	.....
<b>CSE (Artificial Intelligence) (43)</b>	Computer Networks (R2032421) (Comm to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	Deep Learning (R2032422) (Common to CSE(AIML), CSE(AI), AIML)	Design and Analysis of Algorithms (R2032423) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML)	<b>Professional Elective (PE) :-</b> Software Project Management R203242A (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD) Distributed Systems R203242B (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD) Internet of Things R203242C (Common to CSE(AIML), CSE(AI), AIML) Network Programming R203205D (Comm to CSE, CSE(AIML), CSE(AI), AIML, CSD) Expert Systems R203243A	<b>Open Elective (OE II) :-</b> MEAN Stack Development R203205E (Common to CSE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	.....

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

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<b>INFORMATION TECHNOLOGY (12 IT)</b>	Machine Learning (R2032051) (Common to CSE,IT)	Big Data Analytics (R2032121) (Comm to IT,CSE(DS),CSE(AIDS), AIDS)	Cryptography and Network Security (R2032053) (Common to CSE,IT)	<u>Professional Elective (PE II) :-</u> Mobile Computing R203205A (Common to CSE,IT) MEAN Stack Development R203212A Design Patterns R203212B Scripting Languages R203212C	<u>Open Elective (OE II) :-</u> Python Programming R203205F (Common to CSE,IT) Web Technologies R203205G (Common to CSE,IT) Soft Computing R203205H (Common to CSE,IT) Distributed Computing R203205I (Common to CSE,IT) AI and ML for Robotics R203205J (Common to CSE,IT) Computer Networks R203205K (Common to CSE,IT) Big Data Analytics R203205L (Common to CSE,IT) Computational Tools R203205M (Common to CSE,IT)	.....
<b>AUTO MOBILE ENGINEERING (24 AME)</b>	Automobile Components and Chassis Design (R2032241)	Automobile Transmission Systems (R2032242)	Vehicle Body Engineering (R2032243)	<u>Professional Elective (PE II) :-</u> CFD for Automobile Applications R203224A Condition Monitoring R203224B Noise Vibrations and Harshness R203224C Mechatronics R203224D Measurements and Control Systems R203224E	<u>Open Elective (OE II) :-</u> Alternative Fuels for Automobiles R203224G Vehicle Stability and Control R203224H Electric Vehicles and Hybrid Technology R203224I	.....
<b>MINING ENGINEERING (26 MM)</b>	Surface Mining (R2032261)	Mine Legislation and Safety (R2032262)	Underground Metal Mining (R2032263)	<u>Professional Elective (PE) :-</u> Computer Applications and Tools R203226A Mine Economics R203226B Mine Mechanization R203226C Mine Automation R203226D	<u>Open Elective (OE II) :-</u> Mineral Economics, Business and Trade R203226E Landslides & Slope Stability Engineering R203226F Remote Sensing and GIS R203201K Geostatistics R203226G	.....

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<b>CIVIL ENGINEERING (01 CE)</b>	Design And Drawing of Steel Structures (R2032011)	Water Resource Engineering (R2032012)	Geotechnical Engineering-II (R2032013)	<b>Professional Elective (PE- II) :-</b> Advanced Structural Analysis R203201A Architecture and Town Planning R203201B Road Safety Engineering R203201C Traffic Engineering R203201D	<b>Open Elective (OE II) :-</b> Elements of Civil Engineering R203201E Environmental Engineering R203201F Disaster Management R203201G Water Resource Engineering R203201H Hydraulics and Hydraulic Machinery R203201I Green Technologies R203201J Remote Sensing and GIS R203201K (Common to CE,MM)	.....
<b>ELECTRICAL AND ELECTRONICS ENGINEERING (02 EEE)</b>	Microprocessors and Microcontrollers (R2032021)	Electrical Measurements and Instrumentation (R2032022)	Power System Analysis (R2032023)	<b>Professional Elective (PE) :-</b> Signal and Systems R203202A Electric Drives R203202B Advanced Control Systems R203202C Switchgear and Protection R203202D Big Data Analytics R203202E	<b>Open Elective (OE II) :-</b> Battery Management Systems and Charging Stations R203202F Fundamentals of utilization of Electrical Energy R203202G Indian Electricity Act R203202H	.....
<b>MECHANICAL ENGINEERING (03 ME)</b>	Heat Transfer (R2032031)	Design of Machine Members-II (R2031032)	Introduction to Artificial Intelligence and Machine Learning (R2032033)	<b>Professional Elective (PE) :-</b> Automobile Engineering R203203A Smart Manufacturing R203203B Advanced Mechanics of Solids R203203C Statistical Quality Control R203203D Industrial Hydraulics and Pneumatics R203203E	<b>Open Elective (OE II) :-</b> Industrial Robotics R203203G Essentials of Mechanical Engineering R203203H Advanced Materials R203203I Introduction to Automobile Engineering R203203J	.....

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# R K COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to JNTUK, Kakinada & SBTET, A.P)

(An ISO 9001 : 2015 Certified Institution)

Kethanakonda (V), Ibrahimpatnam (M), Amaravati - 521 456



## HOME ASSIGNMENTS ANSWER BOOK

COLLEGE CODE

NAME : Geddam Durgaveni

REGD. NO : 91MC1A0423

SUBJECT : DC

SUBJECT CODE :

BRANCH : ece

YEAR : 2023-2024



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PRINCIPAL  
R K COLLEGE OF ENGINEERING  
Kethanakonda (V), Ibrahimpatnam (M),  
Vijayawada, AMARAVATI-521 456

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(An ISO 9001 : 2015 Certified Institution)

Kethanakonda (V), Ibrahimpatnam (M), Amaravati - 521 456



## HOME ASSIGNMENTS ANSWER BOOK

COLLEGE CODE

NAME: Geddam Durgaveni

REGD NO: DIMCIA0423

SUBJECT: DC

SUBJECT CODE:

BRANCH: ECE

YEAR: 2023-24

MARKS OBTAINED

H.A - I Marks - 5	H.A - II Marks - 5	H.A - III Marks - 5	H.A - IV Marks - 5	H.A - V Marks - 5	H.A - VI Marks - 5	Average Marks out of 5
5	4	5	4	4		

G.venu  
Signature of the Student

Durga  
Signature of the Faculty

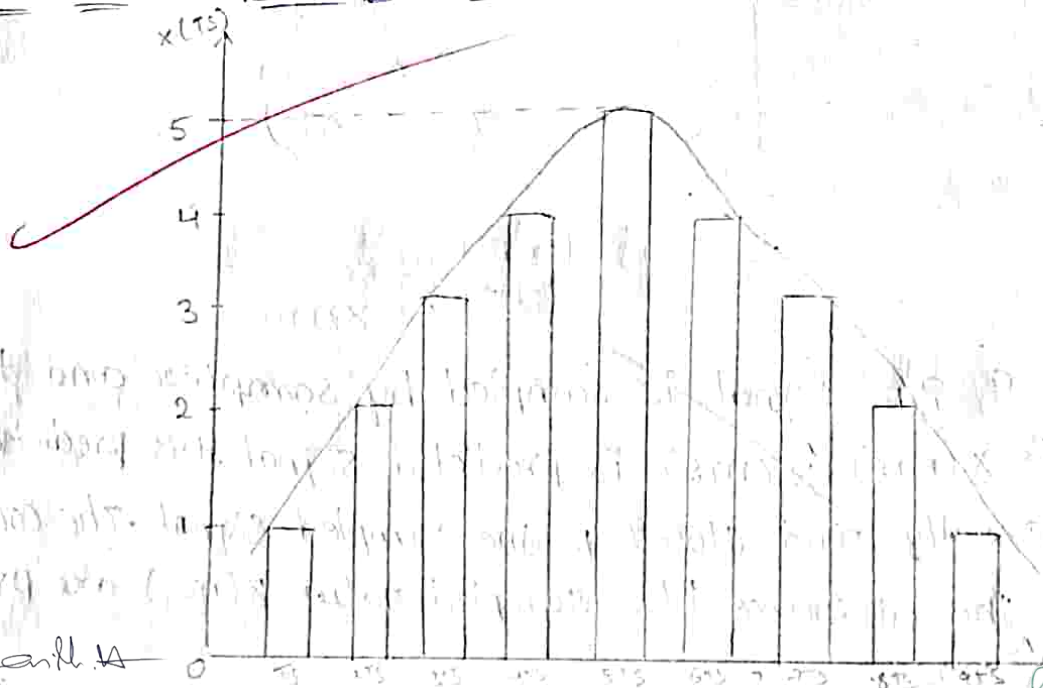
(Name and Designation)

## Assignment - 01

① Explain DPCM?

② DPCM means Differential Pulse Code Modulation. In pulse code modulation samples of the signals are highly correlated with each other because signals don't change quickly. It means the values are which present samples to the next. Sample values are differ by small amount value and some times both the samples have same value that some values of samples have same are encoded by PCM. Then the resultant signal (or) o/p signal contain some redundant information. To reduce this redundant information and for better o/p we are using DPCM, DPCM depends on the predicted values. These predicted values assumed from its previous o/p and summarise then the quantized values such as process is called differential pulse code modulation. It is used in speech signal image signal and audio signal compression.

Redundant Information in PCM:-



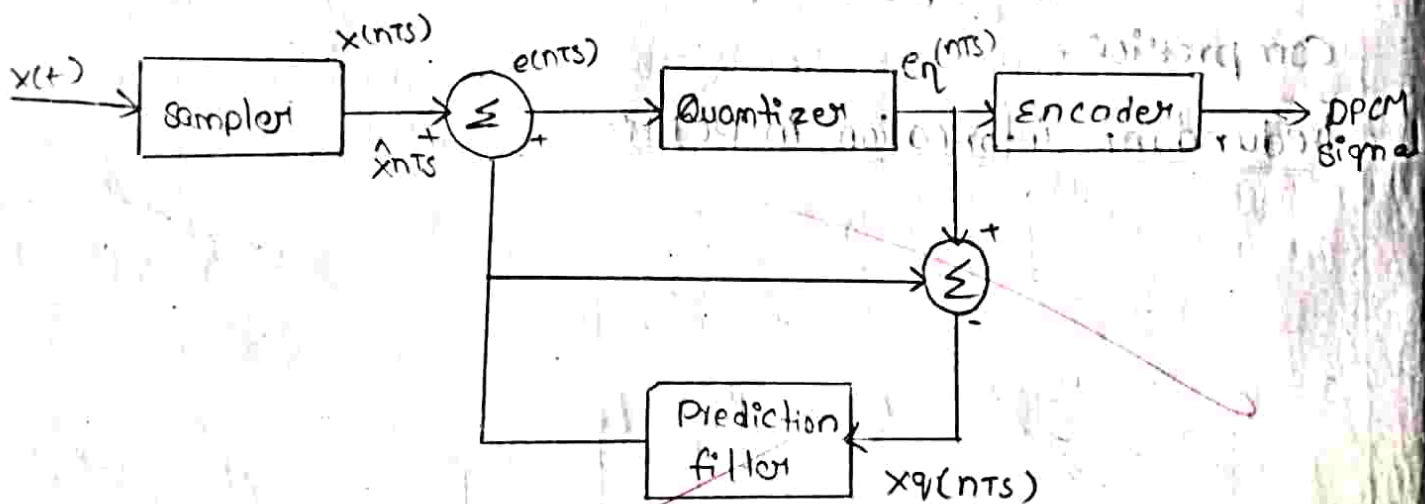
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→ Lets take continuous time signal  $x(t)$ . This signal sampled at interval  $T_s, 2T_s, 3T_s \dots$  these samples are encoded by using 3-bit PCM. The samples are encoded by using 3-bit PCM. The same are selected at the Nyquist rate  $f_m, 2f_m$ . The samples  $5T_s$  &  $6T_s$  are encoded to same value 101. So these two samples are carrying the same information that is called, redundant information.

→ If the redundancy is reduced the bit rate will decrease and no. of bits required to transmit one sample will also be reduced. This type of digital pulse modulation technique is called DPCM.

→ DPCM works on the principle of PCM. The value of the present sample predicted exactly it may perform very accurately which is close to the sample value.

### DPCM Transmitter:-



→  $x(t)$  is a q/p signal is sampled by sampler and the sample signal is  $x(nTs)$ .  $\hat{x}(nTs)$  is predicted signal. This predicted signal is not exactly and closer to the sampled signal. The comparator compares the difference b/w sampled value  $x(nTs)$  and predicted values  $\hat{x}(nTs)$ .

→ If there is any error b/w these two samples values, is called prediction error (i.e)  $e(nT_s)$  and that predicted values is produced by using prediction filter.

$$\text{Prediction error } e(nT_s) = x(nT_s) - \hat{x}(nT_s) \rightarrow \textcircled{1}$$

→ Quantized error signal  $e_q(nT_s)$  is very small and encoded by using small no. of bits per sample will be reduced. And at the adder both predicted & quantized signals are added. This makes the prediction is more & more closer to the actual sample signal i.e when we are adding the quantized value to the predicted sample value that is going to give the more accurate value.

Quantizer output is

$$e_q(nT_s) = e(nT_s) + q(nT_s) \rightarrow \textcircled{2}$$

$q(nT_s)$  is quantization error and production

filter output

$$x_q(nT_s) = \hat{x}(nT_s) + e_q(nT_s) \rightarrow \textcircled{3}$$

Substitute eq<sup>n</sup> ② in eq ③

$$x_q(nT_s) = \hat{x}(nT_s) + e(nT_s) + q(nT_s) \rightarrow \textcircled{4}$$

from eq<sup>n</sup> ①  $x(nT_s) = e(nT_s) + \hat{x}(nT_s)$  (1)

$$\text{So } (x_q(nT_s) = x(nT_s) + q(nT_s))$$

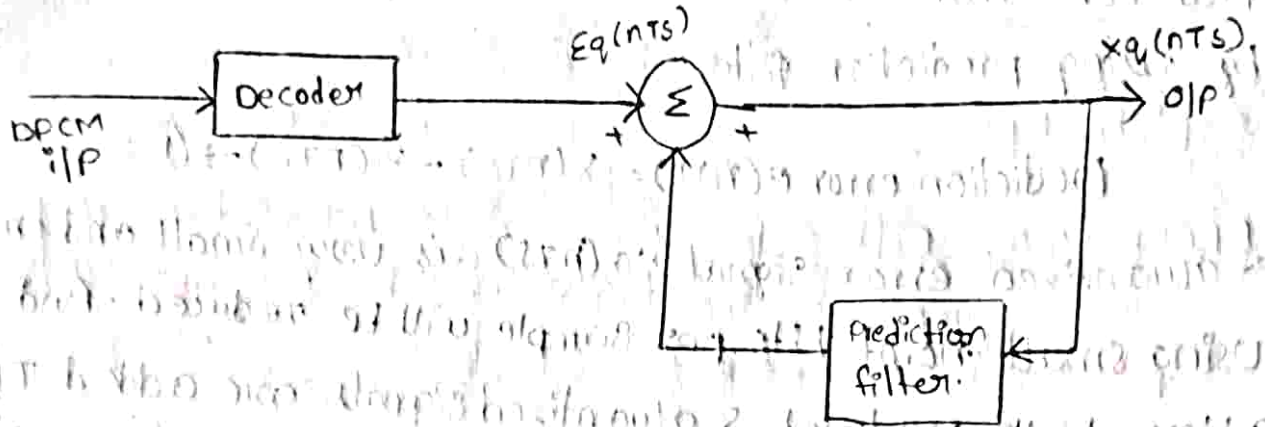
$x_q(nT_s) \rightarrow$  quantized version of original signal.

→ the ~~quantized~~ version of signal is summation of original sample value and quantization error.

→ Quantization error may be +ve (or) -ve and it does not depend on the production filter characteristics and we can only calculate it mathematically.

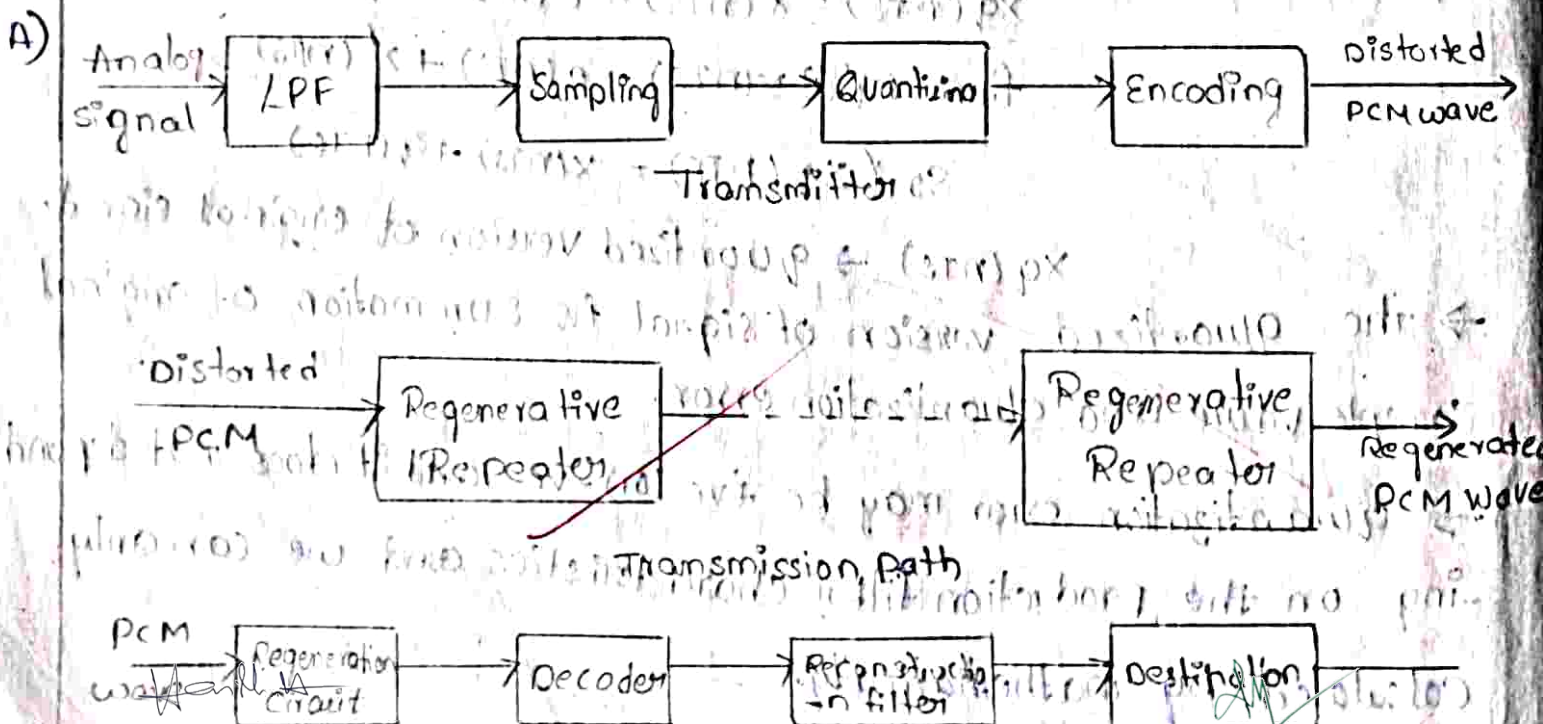
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## Receiver (or) Reconstruction of DPCM signal:-



→ In DPCM receiver i/p is giving to decoder, decoder is reconstruct the incoming binary bits (or) signal predicted sample value  $x^n(nTs)$  and quantized error  $E_q(nTs)$  are added by particular summer, and it gives the quantized version of original signal  $x_q(nTs)$ . It means the receive o/p original signal  $x(nTs)$  and quantization error  $q(nTs)$  from this analysis we can get noise free signal and the predictors in transmitter & receiver operate on some sequence of samples  $x_q(nTs)$ .

② Explain the elements of pulse code Modulation?



Pulse Code Modulation is used to convert analog, speech (or) voice signal to digital signal.

- \* In PCM, the message signal is represented by sequence of coded pulses.
- \* This message signal is in discrete form in both time and amplitude.
- \* The essential operations in the transmitter of PCM are sampling, quantizing, encoding.
- \* In any high frequency components are there, at analog I/P signal, then we should use LPF at I/P before we give signal to sampling.
- \* LPF eliminates high frequency components then we will not get any sampling errors.

Sampling:- In sampling, analog signal is sampled after every sampling time interval  $T_s$ . based on sampling time interval, we can calculate the sampling frequency that is  $f_s = \frac{1}{T_s}$  where  $f_s$  is the sampling frequency.

\* The minimum sampling frequency is greater than or equal to 2 times of the maximum frequency which is present in analog I/P.

\* The sampling frequency  $f_s = 2f_m$  is referred as Nyquist Rate.

Quantization:- In quantization the approximate values are pre-defined. In this the numerical values of samples are measured if the amplitude is varied from 0 to 1 voltage and the information bits are 3 bits. For 3 bits the total no. of samples is 8.

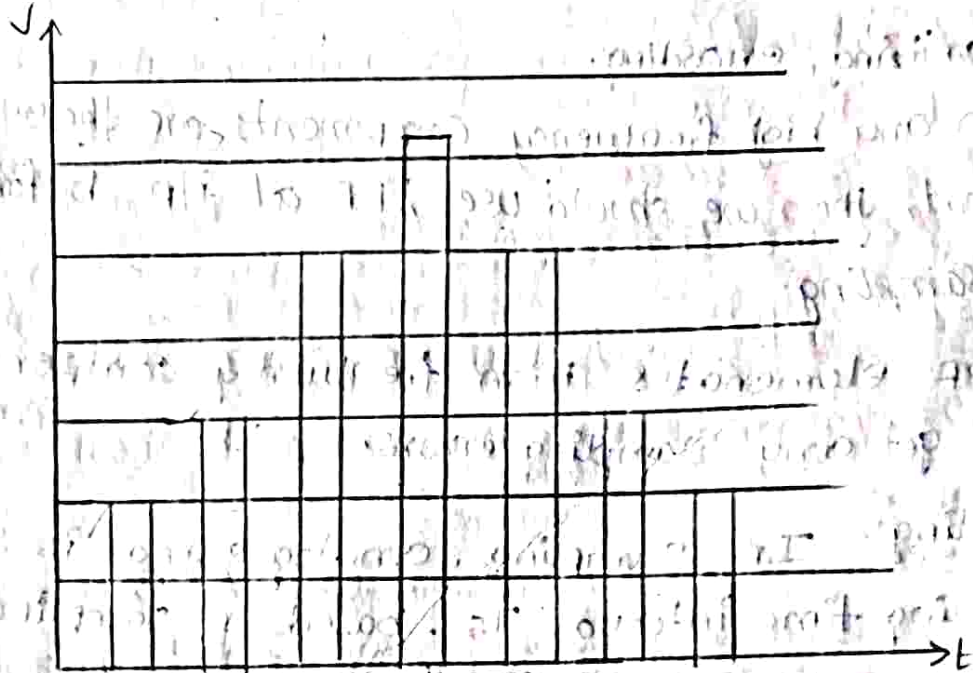


$$L = 2^n$$

$$L = 2^3$$

$$L = 8$$

\* For 3 bits, total levels are 8 which can be used to convert sampled signal into quantized signal.



\* The voltage difference b/w samples is  $\frac{\Delta V}{L}$ ;  $V=1, L=8 \Rightarrow \frac{1}{8}$   
0.125V.

\* The finite no. of amplitude interval is called quantizing interval.

\* Quantization can be 2 categories:

\* Linear Quantization

\* Non-Linear Quantization.

\* In linear quantization, the level of interval is finite and

\* In non-linear quantization, the levels will not be appear at fin

Interval. It may have different amplitudes and intervals.

\* Difference b/w sampled o/p and quantized o/p is quantized distortion. It is also called as quantization error.

Encoder:- Encoder assign code words to quantized output. If  $0.125V$  the difference is  $0.04V$ . To decrease these distortion we can increase no. of levels by increasing no. of bits. 0 and 1. If no. of quantized levels are 8, 10 then each sample is assigned with 3 bit code word.

Regenerative Repeater:- The PCM has an ability to control the distortion and noise caused by the transmission of bits along the channel. This ability is consumed by several regenerative repeaters located at sufficient place in along the channel.

\* Regenerative repeaters have three functions

1. Equalizing 2. Timing Circuits 3. Decision Making Device.

\* It gives the equalized shapes the received pulse (or) signal.

\* Timing ckt provides periodic pulse train.

\* Decision making device compares amplitude of equalized pulse and noise levels to make decisions whether the pulse is present or not.

\* If the pulse is present then that pulse is generated and transmitted to the channel to next regenerative level.

\* If the pulse is not present it provides more noise caused by bit error by taking wrong decision.

Decoder:- Decoder detects and corrects the all received bits to make more code words then it decodes as quantized as quantized

Signal.

Reconstruction filter:- All coded words are passed through the LPF so that analog signal can be reconstructed from quantized signals. The cut-off frequency of LPF is  $f_m$  which is equal to band width of message signal.

Destination:- It receives the signals from re-constructive filter o/p is analog signal.

3) Explain the delta modulation and its drawbacks?

A) Delta modulation:-

\* It is an analog to digital and digital to analog signal conversion technique. It is used to realize high signal to noise ratio. It uses one bit PCM mode to realise digital transmission of analog signal.

\* PCM transmits all the bits which are used to code a sample. Signalling rate and transmission channel bandwidth are quite large. To overcome the problem we are using delta modulation.

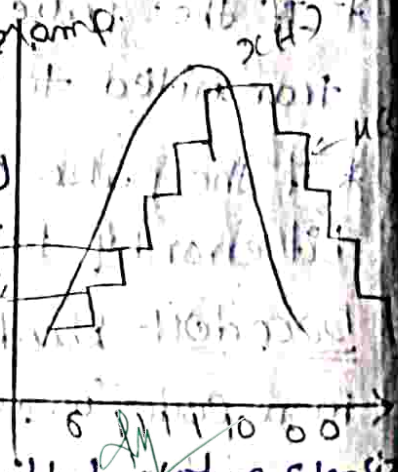
\* It transmits only one bit per sample value and then the amplitude of signal is increased or decreased.

\* If p signal  $x(t)$  is approximated to step signal by the DM, the step size  $\Delta$  is fixed in this particular range.

\* The difference b/w the i/p signal and stair case signal as expressed as two levels i.e.  $+\Delta$  or  $-\Delta$ . The difference is +ve then the signal is

increased by one step  $\Delta$ . If the difference is -ve then that signal is decreased by one step  $\Delta$ .

when step size is reduced binary bit '0' is transmitted.



As increased binary bit '1' is transmitted only on bit as transmitted.

\* The error b/w the sampled value of  $x(t)$  is previous approximated

$$\text{Sample } e(nT_s) = x(nT_s) - \hat{x}(nT_s)$$

$e(nT_s) \rightarrow$  error at present sample

$x(nT_s) \rightarrow$  present sampled signal of  $x(t)$

$\hat{x}(nT_s) \rightarrow$  previous sampled signal.

\* assume  $\mu(nT_s)$  is the present sample approximation of stair

$$\text{case of } \mu \text{ then } \mu[n-1T_s] = \hat{x}(nT_s)$$

\* And there is a requirement to define one quantity which is  $b(nT_s)$

$$b(nT_s) = \Delta \text{ sign}(e(nT_s))$$

$b(nT_s) \rightarrow$  o/p of one bit quantizer

\* This mean that depending on the sign of errors  $e(nT_s)$  the sign of step size  $\Delta$  is decided. either it is  $+\Delta$  or  $-\Delta$

$$b(nT_s) = \begin{cases} +\Delta & \text{if } x(nT_s) \geq \hat{x}(nT_s) \\ -\Delta & \text{if } x(nT_s) < \hat{x}(nT_s) \end{cases}$$

If  $b(nT_s) = +\Delta$  then binary '1' is transmitted

If  $b(nT_s) = -\Delta$  then binary '0' is transmitted.

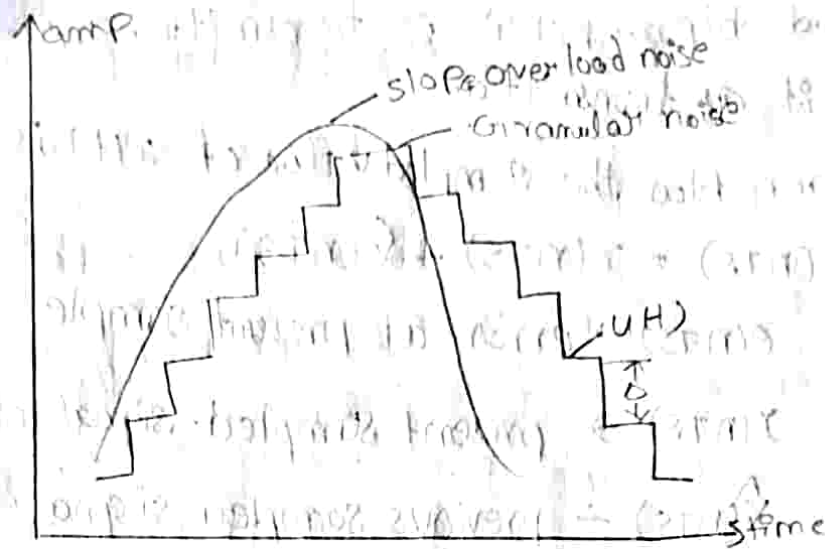
Drawbacks of DM:-

DM transmits only one bit/sample and it has low signalling rate, channel Band width also less. Even though DM has

two drawbacks: ① slope over load distortion

② Granular (or) idle noise.

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④ Explain signal to noise quantization ratio for PCM?

\* SNR is a measure of the quality of the quantization (or) digital conversion of an analog signal. The SNR is approximately equal to 6 times the no. of bits of the analog to digital converter.

\* In a PCM system for linear quantization the signal to quantization noise ratio is:

$$\frac{S}{N} = \frac{\text{Normalised signal power}}{\text{Normalised noise power}}$$

Normalised noise power is  $\Delta^2 \omega$

$$\frac{S}{N} = \frac{\text{Normalised signal power}}{(\Delta^2 \omega)}$$

\* If no. of bits are denoted by 'r' and quantization levels are denoted by 'q', then they both are related to  $q = 2^r$

\* Assume that i/p  $x(t)$  for a linear quantizer has continuous amplitude in the range  $-x_{max}$  to  $+x_{max}$  then the total amplitude range is:  $= x_{max} - (-x_{max}) = 2x_{max}$

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Now the step size  $\Delta$  will be

$$\Delta = \frac{2x_{\max}}{q}$$

$$\Delta = \frac{2x_{\max}}{2^2V}$$

$$[\because q = 2^{2V}]$$

then  $\frac{S}{N} = \frac{\text{Normalised signal power}}{\left(\frac{2x_{\max}}{2^{2V}}\right)^2 \cdot (1/2)}$

Let normalised signal power is denoted as 'P'

$$\frac{S}{N} = \frac{P}{\left(\frac{2x_{\max}}{2^{2V}}\right)^2 \cdot \frac{1}{2}}$$

$$\frac{S}{N} = \frac{3P}{x_{\max}^2 \cdot 2^{2V}}$$

\* This expression shows that the signal to noise power ratio of quantizer increases exponentially with increasing bit per sample and this is the required relation for signal to quantization noise ratio for linear quantization in a PCM system.

\* Now assume that  $p/p(x(t))$  is normalised i.e.,  $x_{\max} = 1$  then signal to quantization noise ratio will be.

$$\frac{S}{N} = 3 \times 2^{2V} \times \frac{P}{x_{\max}^2} = 3 \times 2^{2V} \times \frac{P}{1^2}$$

$$\frac{S}{N} = 3 \times 2^{2V} \times P$$

\* If the destination signal power is also normalised i.e.  $P \leq 1$

\* then SNR ratio will be  $\frac{S}{N} \leq 3 \times 2^{2V}$  because  $x_{\max} = 1$  &  $P \leq 1$ , then then signal to noise ratio to said to be normalised.

\* Signal to noise ratio in db is

$$\left(\frac{S}{N}\right)_{db} = 10 \log_{10} \left(\frac{S}{N}\right)_{dB}$$

$$\leq 10 \log_{10} \left(\frac{S}{N}\right)_{dB}$$

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$$\leq 10 \log_{10}(3 \times 10^2 \nu)$$

$$\leq (4.8 + 6 \nu) \text{ dB}$$

$$\left(\frac{S}{N}\right)_{\text{dB}} = (4.8 + 6 \nu) \text{ dB}$$

⑤ Comparison B/w PCM And DM System.

④

PCM	DM
1. PCM stands for pulse code modulation	* DM stands for delta modulation
2. In PCM, feedback does not exist in transmitter (or) receiver	* while in DM feedback exists in transmitter
3. per sample 4, 8 (or) 16 bits are used	* Here only one bit is used for sample.
4. PCM requires highest transmitter bandwidth	* while DM is simple in terms of complexity of implementation.
5. PCM has good signal to noise ratio	* while DM has poor signal to noise ratio
6. PCM is complex in terms of complexity in implementation	* while DM is simple in terms of complexity of implementation.
7. PCM is costly	* DM is cheap
8. Used in video & Audio telephony	* used in Speech as well as images.

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# Assignment - 02

① Define information and information rate and Explain its properties of information?

A) Information :-

- \* It is the ideas or messages in information theory
- \* In communication system we can transmit information in terms of messages

Information Rate :-

- \* If  $\gamma$  is the signal rate &  $H$  is the entropy then the product of entropy & signal rate is called information rate.

$$R = \gamma H$$

- \* units for signal rate is symbol/second
- \* units for entropy is bits/symbol

Properties of information :-

→ if uncertainty is more than information is more

Ex: Two messages have properties  $P_1 = 1/4$ ,  $P_2 = 1/4$

$$I_k = \log_2 (1/P_k)$$

$$I_1 = \log_2 (1/1/4)$$

$$I_1 = \log_2 (4)$$

$$= \log_2 2^2$$

$$= 2 \log_2 2$$

$$[\log_2 2 = 1]$$

$$I_1 = 2 \text{ bits}$$

$$I_2 = \log_2 (2)$$

$$I_2 = 1 \text{ bit}$$

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$$I_1 > I_2$$

→ if receiver known message being transmitter than information is 0 the probability of information is 1.

$$p = 1$$

$$I_k = \log_2 (1/p_k)$$

$$= \log_2 (1)$$

→  $I_1$  is the information of message  $m_1$  &  $I_2$  is the information of message  $m_2$  that combined information of  $m_1$  &  $m_2$  is  $I_1 + I_2$  if message  $m_1$  &  $m_2$  are independent then probability of message is  $p_1 p_2$ .

$$m_1 m_2 = I_1 + I_2$$

$$I = \log_2 (1/p_k)$$

$$I = \log_2 (1/p_1 p_2)$$

$$= \log_2 (1/p_1) + \log_2 (1/p_2)$$

$$I = I_1 + I_2$$

→ if  $m = 2^N$  message than amount of information covered by each message will be  $n$ -bits so probability of each message is  $p = 1/m$  then information  $I = \log_2 (1/p_k)$

$$I = \log_2 (1/1/m)$$

$$= \log_2 (m)$$

$$= \log_2 (2^N)$$

$$= N \log_2 2$$

$$I = N \text{ bits}$$

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2) Define mutual information state and prove its properties calculate the amount of information if  $p_k$  is  $1/4$

A) mutual information:-

→ it is defined as the amount of information transferred when  $x_i$  is transmitted and  $y_j$  is received

→ it is represented by  $I(x_i, y_j) = \frac{\log_2 \frac{P(x_i/y_j)}{P(x_i)}}{}$  bits.

calculate the amount of information is  $p_k = 1/4$

$$I_k = \log_2 (1/p_k)$$

$$= \log_2 (1/4)$$

$$= \log_2 (4)$$

$$= \log_2 (2^2)$$

$$= 2 \log_2 2$$

$$I_k = 2$$

Properties:-

→ the mutual information of channel is symmetric  $I(x, y) = I(y, x)$

→ it can be expressed in terms of entropy channel i/p & o/p

→  $I(x, y) = H(x) - H(x|y)$  &  $I(y, x) = H(y) - H(y|x)$  are conditional entropy.

→ it is always +ve i.e.  $I(x, y) \geq 0$

→ mutual information is joint entropy  $H(x, y)$  & the  $I(x, y) = H(x) + H(y) - H(x, y)$

$H(x, y)$   
Hani H

→ proof-①

$$I(x, y) = I(y, x)$$

$$P(x_i, y_j) = P\left(\frac{x_i}{y_j}\right) P(y_j) \rightarrow \textcircled{1}$$

$$P(y_j, x_i) = P\left(\frac{y_j}{x_i}\right) P(x_i) \rightarrow \textcircled{2}$$

$$\text{Eqn } \textcircled{1} = \textcircled{2} \quad P\left(\frac{x_i}{y_j}\right) P(y_j) = P\left(\frac{y_j}{x_i}\right) P(x_i)$$

$$\frac{P(x_i|y_j)}{P(x_i)} = \frac{P(y_j|x_i)}{P(y_j)} \Rightarrow \textcircled{3}$$

$$I(x, y) = \sum_{i=1}^n \sum_{j=1}^m P(x_i, y_j) \log P(x_i|y_j) \log \frac{P(x_i|y_j)}{P(x_i)} \rightarrow \textcircled{4}$$

||y

$$I(y, x) = \sum_{i=1}^n \sum_{j=1}^m P(x_i, y_j) \log \frac{P(y_j|x_i)}{P(y_j)}$$

$$I(x, y) = \sum_{i=1}^n \sum_{j=1}^m P(x_i, y_j) \log \frac{P(y_j|x_i)}{P(y_j)}$$

$$I(x, y) = I(y, x)$$

Proof-③

$$I(x, y) = H(x) - H(x|y)$$

$$I(y, x) = H(y) - H(y|x)$$

$$I(x, y) = H(x) - H(x|y)$$

$$I(x, y) = \sum_{i=1}^n \sum_{j=1}^m P(x_i, y_j) \log \left( \frac{P(x_i|y_j)}{P(x_i)} \right)$$

$$= \sum_{j=1}^m \sum_{i=1}^n P(x_i, y_j) \log \left( P(x_i|y_j) - P(x_i) \right)$$

$$= \sum_{j=1}^m \sum_{i=1}^n P(x_i, y_j) \log P(x_i|y_j) - \sum_{j=1}^m \sum_{i=1}^n P(x_i|y_j) P(y_j)$$

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$$= -H(x|y) + \sum_{i=1}^n p(x_i) \log_2 \left( \frac{1}{p(x_i)} \right)$$

$$= H(x|y) + H(x)$$

$$I(x, y) = H(x) - H(x|y)$$

→ Proof-5

$$I(x, y) = H(x) + H(y) - H(x, y)$$

for 3rd property

$$I(x, y) = H(x) - H(x|y) \rightarrow \textcircled{1}$$

$$H(x, y) = H(y) + H(x|y) \rightarrow \textcircled{2}$$

from eq(2)

$$H(x, y) = H(x, y) - H(y) \rightarrow \textcircled{3}$$

Sub(3) in (1)

$$I(x, y) = H(x) - [H(x, y) - H(y)]$$

$$I(x, y) = H(x) - H(x, y) + H(y)$$

③ state and prove  $H(x, y) = H(x|y) + H(y)$  &  $H(x, y) = H(y|x) + H(x)$

→ prove that  $H(x, y) = H(x|y) + H(y)$

$$H(x, y) = H(y|x) + H(x)$$

$$H(x, y) = \sum_{i=1}^M \sum_{j=1}^N p(x_i, y_j) \log_2 \left( \frac{1}{p(x_i, y_j)} \right)$$

$$P(A, B) = P(A|B) \cdot P(B)$$

$$p(x_i, y_j) = p(x_i|y_j) p(y_j)$$

$$H(x, y) = \sum_{i=1}^M \sum_{j=1}^N p(x_i, y_j) \log_2 \left( \frac{1}{p(x_i|y_j) p(y_j)} \right)$$

$$= \sum_{i=1}^M \sum_{j=1}^N p(x_i, y_j) \log_2 \left( p(x_i|y_j) p(y_j) \right)$$

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$$\begin{aligned}
 &= - \sum_{i=1}^m \sum_{j=1}^m P(x_i, y_j) \left[ \log_2 (P(x_i|y_j) + \log_2 P(y_j)) \right] \\
 &= - \sum_{i=1}^m \sum_{j=1}^m P(x_i, y_j) \log_2 P(x_i|y_j) - \sum_{i=1}^m \sum_{j=1}^m P(x_i, y_j) P(y_j) \\
 &= - \sum_{i=1}^m \sum_{j=1}^m P(x_i, y_j) \log_2 P(x_i|y_j) - \sum_{i=1}^m \sum_{j=1}^m P(x_i, y_j) \log_2 P(y_j) \\
 &= - \sum_{i=1}^m \sum_{j=1}^m P(x_i, y_j) \log_2 \left( \frac{1}{P(x_i, y_j)} \right) + \sum_{j=1}^m \sum_{i=1}^m P(x_i, y_j) \log_2 P(y_j)
 \end{aligned}$$

$$H(x, y) = H(x|y) + H(y)$$

$$\rightarrow H(x, y) = H(y|x) + H(x)$$

$$H(x, y) = \sum_{i=1}^m \sum_{j=1}^m P(x_i, y_j) \log_2 \left( \frac{1}{P(x_i, y_j)} \right)$$

$$P(A, B) = P(A|B) \cdot P(B)$$

$$P(x_i, y_j) = P(y_j|x_i) \cdot P(x_i)$$

$$H(x, y) = \sum_{i=1}^m \sum_{j=1}^m P(x_i, y_j) \log_2 \left( \frac{1}{P(y_j|x_i) \cdot P(x_i)} \right)$$

$$= - \sum_{i=1}^m \sum_{j=1}^m P(x_i, y_j) \log_2 (P(y_j|x_i) \cdot P(x_i))$$

$$= - \sum_{i=1}^m \sum_{j=1}^m P(x_i, y_j) \log_2 P(y_j|x_i) - \sum_{i=1}^m \sum_{j=1}^m P(x_i, y_j) \log_2 P(x_i)$$

$$= - \sum_{i=1}^m \sum_{j=1}^m P(x_i, y_j) \log_2 \left( \frac{1}{P(y_j|x_i)} \right) + \sum_{i=1}^m \sum_{j=1}^m P(x_i, y_j) \log_2 P\left(\frac{1}{x_i}\right)$$

$$\text{Hence } H(x, y) = H(y|x) + H(x)$$

## Assignment - 03

- 1) A Event has 6 possible outcomes with probabilities  $P_1 = 1/2$ ,  $P_2 = 1/4$ ,  $P_3 = 1/8$ ,  $P_4 = 1/16$ ,  $P_5 = 1/32$ ,  $P_6 = 1/32$
- (i) find the entropy
- (ii) find the rate of information if there are 16,000 outcomes?

Given:

$$P_1 = 1/2$$

$$P_2 = 1/4$$

$$P_3 = 1/8$$

$$P_4 = 1/16$$

$$P_5 = 1/32$$

$$P_6 = 1/32$$

$$H = - \sum_{k=1}^6 P_k \log_2 (P_k)$$

$$= - \sum_{k=1}^6 P_k \log_2 (P_k)$$

$$= \frac{1}{2} \log_2 (2) + \frac{1}{4} \log_2 (4) + \frac{1}{8} \log_2 (8) + \frac{1}{16} \log_2 (16) + \frac{1}{32} \log_2 (32) + \frac{1}{32} \log_2 (32)$$

$$= \frac{1}{2} \log_2 2 + \frac{1}{4} \log_2 4 + \frac{1}{8} \log_2 8 + \frac{1}{16} \log_2 16 + \frac{1}{32} \log_2 32 + \frac{1}{32} \log_2 32$$

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$$= \frac{1}{2} + \frac{2}{4} + \frac{3}{8} + \frac{4}{16} + \frac{5}{32} + \frac{5}{32}$$

(ii)  $R = 16 \times \frac{31}{16}$

$R = 31 \text{ bits/second}$

2) write the Expression for entropy and explain its properties

A source Generates information with probabilities  $P_1 = 0.1, P_2 = 0.2, P_3 = 0.3$  &  $P_4 = 0.4$ . find the entropy of the system and what % of max possible information is being generated by its source.

→ consider a source sends 'n' different message  $m_1, m_2, m_3, \dots, m_n$  with probabilities  $P_1, P_2, P_3, \dots, P_n$

⇒ if the messages are produced from a single source which are available in a sequence that sequence is indicated with 'L' then the probability of each message  $m_1 = LP_1, m_2 = LP_2, m_3 = LP_3, \dots, m_n = LP_n$ .

$$I_1(\text{total}) = P_1 L \log_2 (1/P_1)$$

$$I_2(\text{total}) = P_2 L \log_2 (1/P_2) \dots \text{then}$$

$$I_N = P_n \log_2 (1/P_n)$$

entrop  $H = \frac{I_{\text{total}}}{n}$

$$H = \frac{I_1 + I_2 + I_3}{n}$$

$$H = \frac{P_1 L \log_2(V_{P_1}) + P_2 L \log_2(V_{P_2}) + \dots + P_n L \log_2(V_{P_n})}{L}$$

$$H = \frac{P_1 \log_2(V_{P_1}) + P_2 \log_2(V_{P_2}) + \dots + P_n \log_2(V_{P_n})}{1}$$

$$H = P_1 \log_2(V_{P_1}) + P_2 \log_2(V_{P_2}) + \dots + P_n \log_2(V_{P_n})$$

$$H = \sum_{k=1}^n P_k \log_2(V_{P_k}) \text{ bits/symbol.}$$

### Properties:-

- \* The entropy has always +ve integer value.
- \* The average information (or) entropy is always less than to total amount of information  $H < \text{total}$ .
- if the probability is possible then entropy of such event is zero

$$P_k = 1$$

~~$$H = \sum_{k=1}^n P_k \log_2 V_{P_k}$$~~

$$H = 1 \log_2 1$$

$$\boxed{H = 0}$$

$$P_k = 0$$

~~$$H = \sum_{k=1}^n P_k \log_2 V_{P_k}$$~~

$$= \log_2 0$$

$$\boxed{H = 0}$$

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### Problem

Given that

$$P_1 = 0.1, P_2 = 0.2, P_3 = 0.3, P_4 = 0.4$$

$$H = \sum_{k=1}^M P_k \log_2 (1/P_k)$$

$$H = \sum_{k=1}^M P_k \log_2 (1/P_k)$$

$$= 0.1 \log_2 (1/0.1) + 0.2 \log_2 (1/0.2) + 0.3 \log_2 (1/0.3) + 0.4 \log_2 (1/0.4)$$

$$= 1.8464 \text{ bits/symbol}$$

$$\% \text{ of total information} = \frac{H}{H_{\max}} \times 100$$

$$= \frac{1.8464}{2} \times 100$$

$$= 92.32\%$$

③ Explain Huffman coding algorithm & apply Huffman coding procedure for given messages 0.4, 0.2, 0.1, 0.1, 0.2 & find the efficiency:

→ Huffman Coding algorithm:

Huffman coding algorithm Compression algorithm

\* it is a variable length code is assigned to the input message

fixed length code

X-101-3

Y-110-3

Z-111-3

variable length code

X-10-2

Y-110-3

Z-1011-4

\* It is an optimum code which has leads the lowest possible value of  $L$  for a given message results the max efficiency.

### Steps of Huffman coding:-

→ All the messages are arranged in the order of decreasing Probabilities

→ Combine the last two message probability and re-arrange of the Probabilities in the decreasing order. This grouping is called reduction I

→ Combine the last two probabilities of reduction-I and re-arrange all the probabilities in the decreasing order. This grouping is called reduction II

→ Repeat the process until then two ordered probabilities remain.

→ Assign '0' for upper probability & '1' for lower probability of the last reduction.

→ Assign '0' & '1' for the combination of all the probabilities with its previous reduction.

→ Repeat this process until then two ordered first column is reached

→ Write the code for each message.

→ Calculate Average CW length ( $L$ ) & entropy  $H(X)$

→ Find efficiency ( $\eta$ ) of Huffman code



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$$[x] = x_1 \quad x_2 \quad x_3 \quad x_4 \quad x_5$$

$$P = 0.4 \quad 0.2 \quad 0.1 \quad 0.1 \quad 0.2$$

message	probability	reduction-I	reduction-II	reduction-III	code	length
$x_1(0)$	0.4 (1)	0.4 (0)	0.4 (1)	0.4 (0)	0	1
$x_2(01)$	0.2 (01)	0.2 (01)	0.2 (01)	0.2 (01)	01	2
$x_3(000)$	0.1 (000)	0.1 (000)	0.1 (000)	0.1 (000)	000	3
$x_4(0010)$	0.1 (0010)	0.1 (0010)	0.1 (0010)	0.1 (0010)	0010	4
$x_5(0011)$	0.1 (0011)	0.1 (0011)	0.1 (0011)	0.1 (0011)	0011	4

Average code word length  $L = \sum_{i=1}^M p(x_i) n_i$

$$L = (0.4)(1) + (0.2)(2) + 0.1(3) + 0.1(4) + 0.1(5)$$

$$= 0.4 + 0.4 + 0.3 + 0.4 + 0.5$$

$$= 2.0 \text{ bits/symbol}$$

Entropy  $H(x) = \sum_{i=1}^M p_i \log_2 \left( \frac{1}{p_i} \right)$

$$H(x) = 0.4 \log_2 \left( \frac{1}{0.4} \right) + 0.2 \log_2 \left( \frac{1}{0.2} \right) + 0.1 \log_2 \left( \frac{1}{0.1} \right) + 0.1 \log_2 \left( \frac{1}{0.1} \right) + 0.1 \log_2 \left( \frac{1}{0.1} \right)$$

$$H(x) = 2.119 \text{ bits/symbol}$$

$$\eta = \frac{H(x)}{L}$$

$$= \frac{2.119}{2.0} \times 100$$

$$\eta = 92.13\%$$

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## Assignment - 4

1) write short notes on hamming codes?

\* The hamming code is a combination of data bits and some error bits called hamming bits it can correct only 1 bit. The no. of hamming bits for a data unit with  $k$  bits are related as:

$$2^r \geq k + r + 1$$

\* hamming bits are inserted at random bit positions in a character bit sequence rather than inserting at the end of the characters both the Tx and Rx must agree on bit positions that are used to store hamming bits.

\* there are some conditions should be satisfied for correcting single errors.

→ Length of the block code ( $n$ ) must be less than or equal to  $2^{n-k} - 1$  i.e;  $n \leq 2^{n-k} - 1$

→ number of message bits ( $k$ ) must be equal to  $(n-r)$  i.e  $k = n-r$

→ number of parity check bits ( $r$ ) must be less than or equal to  $n - \log_2(n+1)$  i.e;  $r \leq n - \log_2(n+1)$

→ error correcting capacity of hamming code must be  $\frac{d_{min}-1}{2}$

i.e  $t = \frac{d_{min}-1}{2}$

*Harish H*

2) Explain Shannon fano coding algorithm and apply Shannon fano coding procedure for messages 0.5, 0.25, 0.125, and find the efficiency!-

A) Shannon-fano coding Algorithm:-

- \* The message all first written in the order of decreasing probability.
- \* Then divided the messages set into two most equiprobable subsets.
- \* The message in 1st set is given bit 0 & message in 2nd subset is given bit 1.
- \* The procedure is applied for each set separately till end.
- \* Finally we get the codeword for respective symbol.
- \* Calculate the efficiency of binary each code.

message	probability	step1	step2	step3	codeword	length
$x_1$	0.5	0			0	1
$x_2$	0.25	1	0		10	2
$x_3$	0.125	1	1	0	110	3
$x_4$	0.125	1	1	1	111	3

$$L = \sum_{i=1}^M p(x_i) n_i$$

$$= (0.5)_1 + (0.25)_2 + (0.125)_3 + (0.125)_3$$

$$L = 1.75$$

$$H(x) = \sum_{k=1}^M p_k \log_2 (1/p_k)$$

$$= 0.5 \log_2 (1/0.5) + 0.25 \log_2 (1/0.25) + 0.125 \log_2 (1/0.125) + 0.125 \log_2 (1/0.125)$$

$$H(x) = 1.75$$

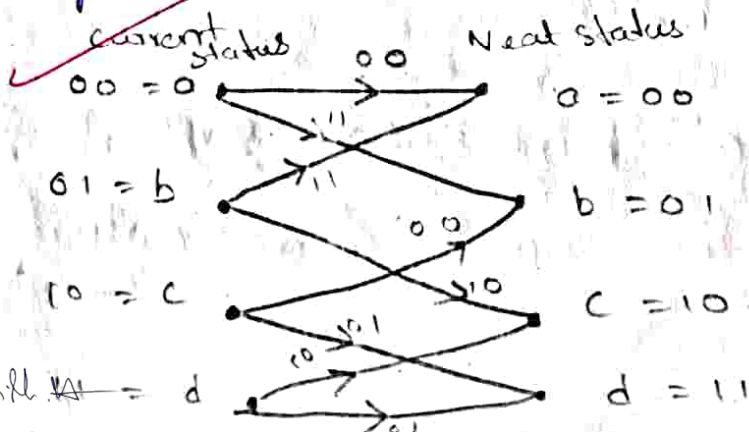
$$\eta = \frac{H(x)}{L}$$

$$= \frac{1.75}{1.75} \times 100$$

$$\eta = 100\%$$

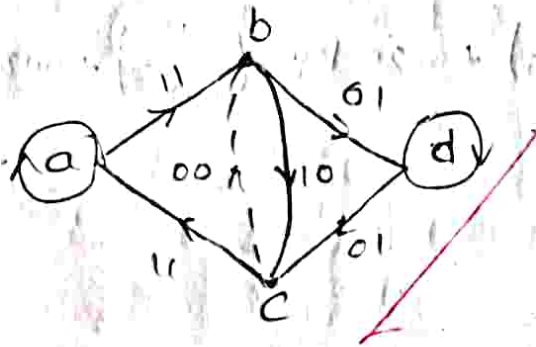
3) Explain about state Diagram and trellis diagram.

4) Trellis Diagram :- Trellis diagram is representation of the code line in this depending on this code every stage goes to some other state the tree diagram for the convolutional encoder is



## Static Diagram:-

The static diagram of convolutional encoder is obtained by combining the current status and next static & the static the diagram of the convolution encoder is



*Diag*

*Harish*

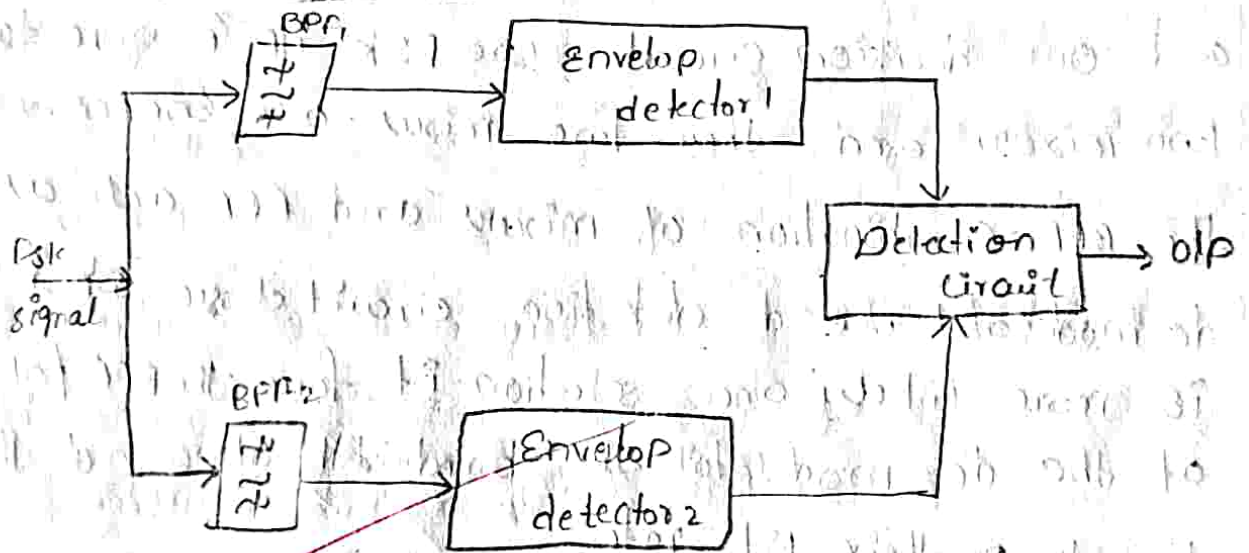
## Assignment-05

1) what is FSK and Explain the Asynchronous and Synchronous of FSK?

\* In ASK modulation there are some drawbacks Amplitude variation is one of the major drawback is ASK and ASK technique used in few application only and its spectrum power efficiency is also low which leads to wastage of power. So to overcome these drawbacks we are performed to FSK.

\* FSK is defined as the changing our imaginary frequency characteristics of an i/p binary signal according to carrier signal.

Asynchronous FSK Demodulator:-

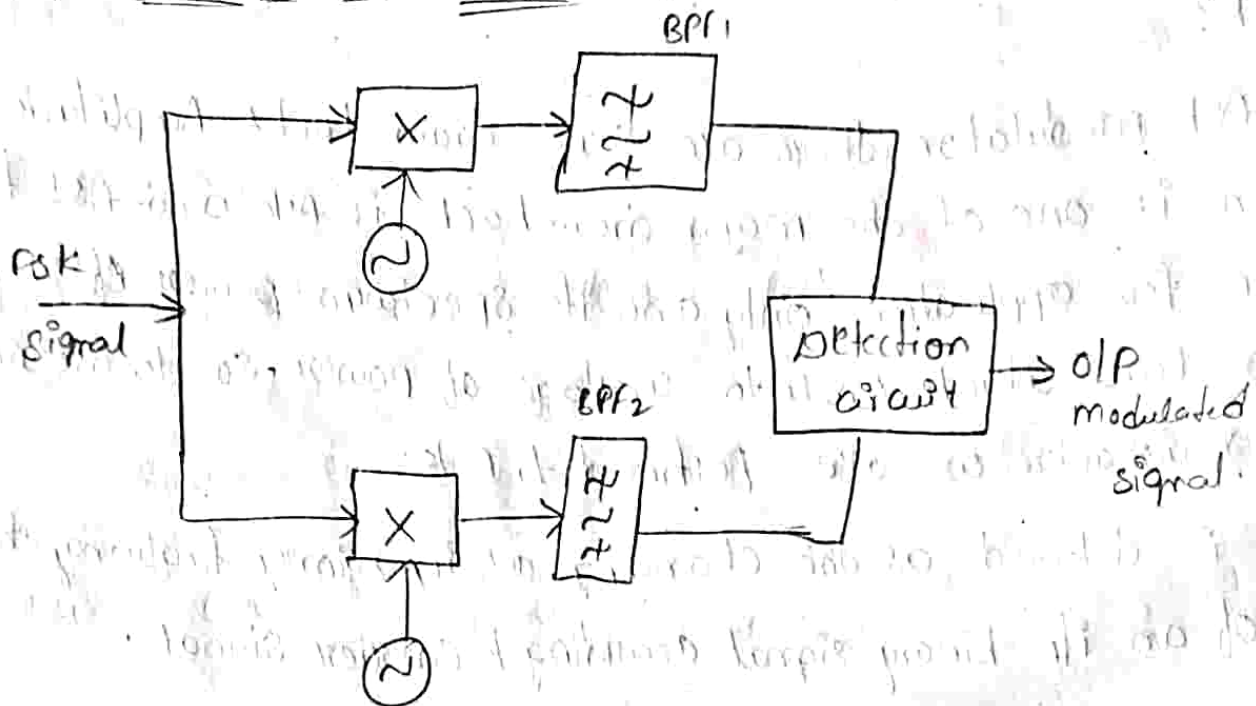


→ It has two BPF, two envelope detector and one detection circuit. The FSK i/p signal is passed through two BPF's and tuned to space and mark frequencies. The output of BPF is look like a ASK signal. It is given to envelope detectors



each detector circuit choose which output is more likely & selects it from anyone of the envelope detector.

### Synchronous FSK De-modulator



\* It has 2 mixers with local oscillators two BPF and one decision circuit. The FSK ip is give to two mixers and these two mixer are connected to the BPF combination of mixers and BPF acts as de-modulator. and detection circuit choose which o/p is more likely and selection it form the BPF for both of the de-modulator the bandwidth of each of them depends on their bit rate.

\* It represents of mixers and gives the signal form the detection circuit of an output signal.

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2) Define the joint Entropy and marginal Entropy?

Joint Entropy:- Consider the joint occurrence of 2 events  $x_i, y_j$  then the probability of  $x$  is  $p(x_i)$  probability of  $y$  is  $p(y_j)$  - Joint probability of  $P(x, y)$  is  $P(x_i, y_j)$  - conditional Probability  $P(x, y)$  is  $P(x_i/y_j)$  &  $P(y_j/x_i)$ . if we add all the joint probability for the fixed  $x_i$  then  $P(x_i) = \sum_{j=1}^m P(x_i, y_j)$  if we add all the joint probability of the fixed  $y_j$  then  $P(y_j) = \sum_{i=1}^n P(x_i, y_j)$ .

→ if  $P(x_i, y_j)$  is the joint probability of occurrence then joint entropy is  $H(x, y) = - \sum_{i=1}^m \sum_{j=1}^n P(x, y) \log_2 \left( \frac{1}{P(x_i, y_j)} \right)$

marginal Entropy:- when the entropy of individual event is calculated from joint probabilities of events it is called marginal entropy

\* individual Entropy  $H(x) = - \sum_{i=1}^m P(x_i) \log_2 (P(x_i))$

\* marginal entropy of 'x' is  $H(x) = - \sum_{i=1}^m \sum_{j=1}^m P(x_i, y_j) \log_2 (P(x_i))$

\* marginal entropy of 'y' is

$$H(y) = - \sum_{i=1}^m \sum_{j=1}^m P(x_i, y_j) \log_2 (P(y_j))$$

Harish H

3) find out the efficiency of an given values

$x_1 = 0.3, x_2 = 0.1, x_3 = 0.2, x_4 = 0.4$  using huffman

Coding?

A)

$x = x_1 \quad x_2 \quad x_3 \quad x_4$

$P(x) = 0.3 \quad 0.1 \quad 0.2 \quad 0.4$

$x$	Probability	Reduction I	Reduction II	Code	Length
-----	-------------	-------------	--------------	------	--------

$x_4 (1)$	0.4	0.4	0.4 (1)	1	1
-----------	-----	-----	---------	---	---

$x_3 (00)$	0.3	0.3	0.3 (00)	00	2
------------	-----	-----	----------	----	---

$x_3 (010)$	0.2	0.2	0.2 (010)	010	3
-------------	-----	-----	-----------	-----	---

$x_2 (011)$	0.1	0.1	0.1 (011)	011	3
-------------	-----	-----	-----------	-----	---

$$L = \sum_{i=1}^m P(x_i) n_i$$

$$L = 0.4(1) + (0.3)2 + (0.2)3 + (0.1)3$$

$$L = 0.4 + 0.6 + 0.6 + 0.3$$

$$L = 1.9 \text{ bits/messages}$$

$$H(x) = - \sum_{k=1}^m P_k \log_2 (1/P_k)$$

$$= 0.4 \log_2 (1/0.4) + 0.3 \log_2 (1/0.3) + 0.12 \log_2 (1/0.12) + 0.1 \log_2 (1/0.1)$$

$$= 1.827 \text{ bits/messages}$$

Efficiency:-

$$\eta = H(x)/L \times 100$$

$$\eta = 1.827/1.9 \times 100$$

$$\eta = 96.1\%$$

4) A communication system has S/N is 31 and Band width is 3KHz find the channel capacity.

$$C = 3 \times 10^3 \log_2 (1+31)$$

$$C = 3 \times 10^3 \log_2 (32)$$

$$C = 3 \times 10^3 \log_2 2^5$$

$$C = 5 \times 3 \times 10^3$$

$$C = 15 \times 10^3 \text{ bits/messages}$$

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5) Apply the Shannon-Fano coding of give values

$$x = x_1 \quad x_2 \quad x_3 \quad x_4 \quad x_5$$

$$P(x_i) = 0.15 \quad 0.125 \quad 0.1125 \quad 0.10625 \quad 0.10625$$

A) Given

$$x = x_1 \quad x_2 \quad x_3 \quad x_4 \quad x_5$$

$$P(x_i) = 0.15 \quad 0.125 \quad 0.1125 \quad 0.10625 \quad 0.10625$$

message	probability	step1	step2	step3	step4	code length
$x_1$	0.15	0				1
$x_2$	0.125	1	0			2
$x_3$	0.1125	1	1	0		3
$x_4$	0.10625	1	1	1	0	4
$x_5$	0.10625	1	1	1	1	4

$$L = \sum_{i=1}^M P(x_i) n_i$$

$$L = (0.15)1 + (0.125)2 + (0.1125)3 + (0.10625)4 + (0.10625)4$$

$$L = 1.875 \text{ bits/messages}$$

$$H(X) = \sum_{k=1}^M P_k \log_2 \left( \frac{1}{P_k} \right)$$

$$= 0.5 \log_2 (1/0.5) + 0.125 \log_2 (1/0.125) + 0.1125 \log_2 (1/0.1125) + (0.0625) \log_2 (1/0.0625) \\ + (0.0625) \log_2 (1/0.0625)$$

$$= 1.875$$

$$\text{Efficiency } \eta = \frac{H(x)}{L} \times 100 = \frac{1.875}{1.875} \times 100 = \\ = 100\%$$

*Done*

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# R K COLLEGE OF ENGINEERING

kethanakonda(V), Ibrahimpatnam(M), Vijayawada, AMARAVATI - 521456

IV B. Tech I SEM MID- I EXAMINATIONS

SUBJECT: OC  
DATE: 25/09/2024 (AN)  
A.Y:2024-25

TIME: 90 Minute  
BRANCH: ECE

Answer the following Questions

15 Marks

1. Calculate the numerical apertures of  
i) a plastic step-index fiber having a core refractive index of  $n_1=1.60$  and a cladding index of  $n_2=1.49$ .
2. Draw a block diagram of a digital optical receiver showing its various components. Explain the function of each component. How is the signal used by the decision circuit related to the incident optical power?
3. Differentiate single mode fiber and graded index fiber. Explain propagation modes in single mode fibers.

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1. Calculate the numerical apertures of  
 i) a plastic step-index fiber having a core refractive index of  $n_1 = 1.60$  and a cladding index of  $n_2 = 1.49$ .

Sol: Given,

for a plastic step-index fiber,

refractive index of core  $n_1 = 1.60$

refractive index of cladding  $n_2 = 1.49$

numerical aperture = ?

numerical aperture of step-index fiber,

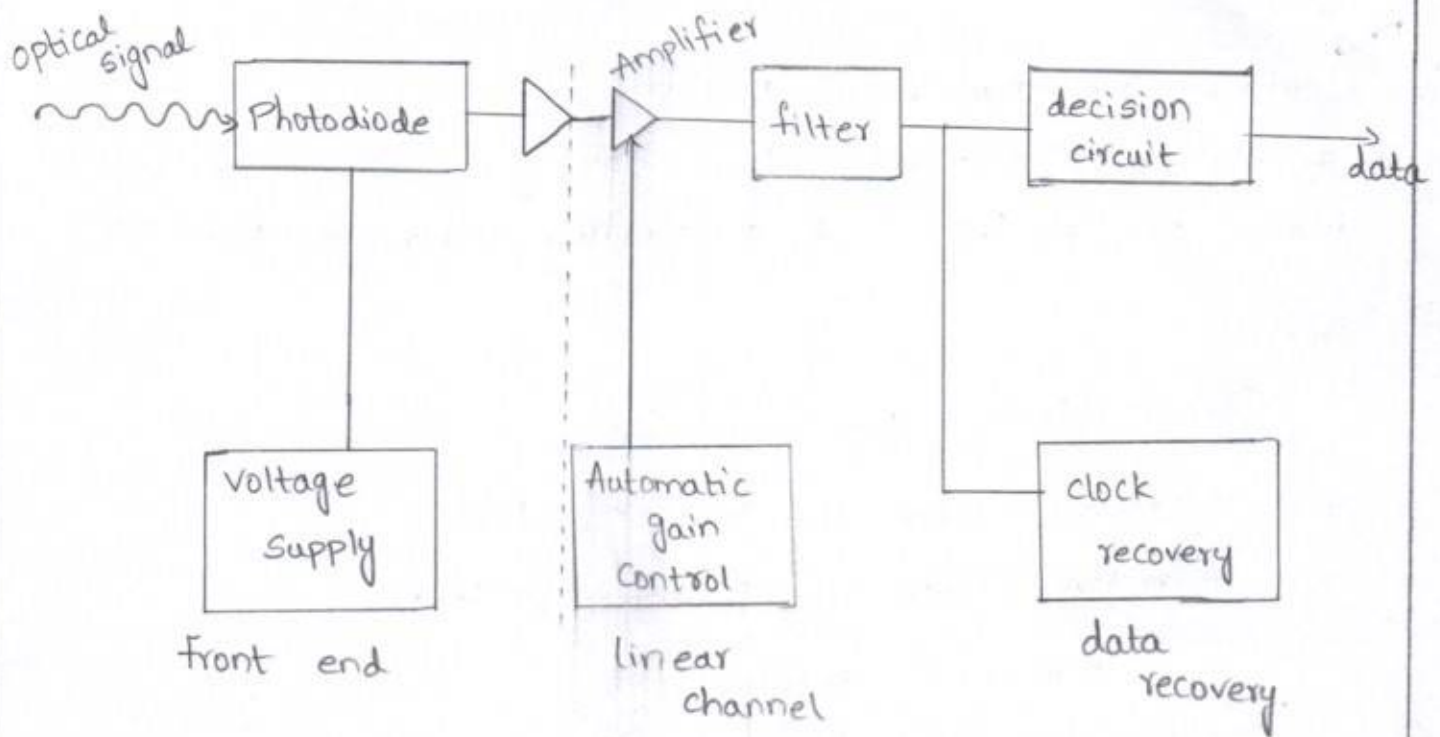
$$\begin{aligned} NA &= \sqrt{n_1^2 - n_2^2} \\ &= \sqrt{(1.60)^2 - (1.49)^2} \\ &= \sqrt{2.56 - 2.2201} \\ &= \sqrt{0.3399} \end{aligned}$$

$$NA = 0.583$$

2. Draw a block diagram of a digital optical receiver showing its various components. Explain the function of each component. How is the signal used by the decision circuit related to the incident optical power?

Ans: Front end: The front end of a receiver consists of a photodiode followed by a pre amplifier. The optical signal coupled into the photodiode by using a coupling onto the photodiode by using a coupling scheme similar to that used for optical transmitter but coupling is often used in practice.





Linear channel: The linear channels in optical receivers contains of a high-gain amplifier and a low pass filter. An equalizer is sometimes included just before the amplifier to correct for the limited BW of the front end. The amplifier gain is controlled automatically to limit the average o/p voltage to a fixed level irrespective of the incident average optical power at the receiver.

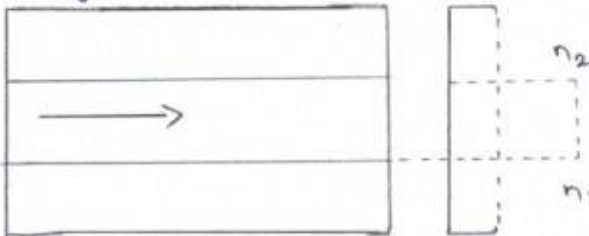
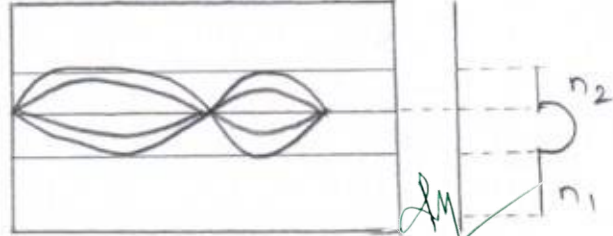
Decision Circuit: The data recovery section of optical receiver consists of a decision circuit and a clk recovery ckt. The decision ckt compares the o/p from the clk recovery ckt and decides whether the signal corresponds to bit 1 (or) bit 0.

Integrated Receivers: All receiver components can be easily integrated. Photodiode are standard electrical components and can be easily integrated on the same chip by using integrated ckt. Technology developed for micro electronic devices integration is particularly necessary for receivers operating at high bit rates.

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3. Differentiate single mode fiber and graded index fiber. Explain propagation modes in single mode fibers.

Ans:

Single Mode fiber	Graded Index fiber
<ul style="list-style-type: none"> <li>* The core has the same refractive index at all points.</li> <li>* The core diameter is almost double the diameter of a multimode GI fiber.</li> <li>* Propagation of signals is by meridional rays.</li> <li>* Signals distortion is high due to intermodal dispersion.</li> <li>* BW is lower.</li> <li>* High attenuation of signals.</li> <li>* Large numerical aperture.</li> </ul>	<ul style="list-style-type: none"> <li>* The core has a concentrically varying refractive index which forms a parabola.</li> <li>* The core diameter is half to the diameter of GI fiber for multimode.</li> <li>* Propagation of signals is by helical rays.</li> <li>* Signals distortion is low due to the absence of intermodal dispersion.</li> <li>* High BW.</li> <li>* Attenuation of signal is low.</li> <li>* Small numerical aperture.</li> </ul>
	

\* Single mode fibers are designed to allow the propagation of light in a single mode, which reduces modal dispersion and allows for higher BW over longer distances. Here's an overview of the key propagation modes in single-mode fibers.

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- Fundamental Mode: This is the primary mode that propagates in single-mode fibers. It has a simple transverse electric-field pattern and is characterized by its ability to carry data efficiently over long distances without significant loss.
- Cutoff Wavelength: Single mode fibers operate effectively above a specific cutoff wavelength. Below this wavelength, multiple modes can propagate which can lead to modal dispersion and reduce performance.
- Mode field Diameter: The mode field diameter is a measure of the effective width of the fundamental mode. It influences the fiber's performance in terms of splice loss & bending loss.
- Phase velocity: In single-mode fibers, the phase velocity is uniform for the fundamental mode, contributing to a consistent propagation speed of light through the fiber.

  
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SL NO	REG.NO.	M3				EDC				STLD				SS				RVSP				EDC	STLD	JAVA
		Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2			
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5			
31	22MCIA0431	13	5	13	5	11	5	6	5	8	5	10	5	8	5	10	5	0	5	9	5	12	12	11
32	22MCIA0432	14	5	12	5	0	5	1	5	0	5	8	5	0	5	0	5	0	5	0	5	9	9	14
33	22MCIA0433	13	5	8	5	0	5	7	5	0	5	3	5	3	5	9	5	5	5	6	5	12	12	9
34	22MCIA0434	13	5	10	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	9	9	0
35	22MCIA0435	0	5	0	5	0	5	9	5	0	5	9	5	0	5	9	5	0	5	9	5	12	12	14
36	22MCIA0436	12	5	13	5	12	5	6	5	8	5	9	5	3	5	11	5	8	5	7	5	13	13	13
37	22MCIA0437	11	5	10	5	6	5	8	5	10	5	0	5	7	5	13	5	9	5	9	5	14	14	12
38	22MCIA0438	11	5	12	5	8	5	10	5	9	5	9	5	3	5	11	5	10	5	12	5	12	12	12
39	22MCIA0439	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	22MCIA0440	0	5	0	5	15	5	0	5	12	5	0	5	8	5	0	5	11	5	0	5	12	12	13
41	22MCIA0441	10	5	10	5	0	5	9	5	0	5	0	5	0	5	9	5	0	5	10	5	12	11	12
42	22MCIA0442	15	5	13	5	14	5	14	5	9	5	12	5	13	5	11	5	11	5	14	5	13	13	13
43	22MCIA0443	9	5	10	5	7	5	6	5	1	5	6	5	0	5	9	5	0	5	2	5	12	11	12
44	22MCIA0444	10	5	8	5	0	5	8	5	0	5	6	5	0	5	5	5	0	5	10	5	13	12	13
45	22MCIA0445	11	5	10	5	9	5	8	5	10	5	8	5	3	5	10	5	7	5	6	5	14	14	14
46	22MCIA0446	11	5	9	5	8	5	4	5	6	5	6	5	6	5	9	5	7	5	8	5	12	12	13
47	22MCIA0447	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	22MCIA0448	11	5	12	5	12	5	10	5	6	5	8	5	8	5	14	5	8	5	14	5	12	12	12
49	22MCIA0449	11	5	13	5	14	5	13	5	13	5	8	5	5	5	10	5	8	5	8	5	13	13	13
50	22MCIA0450	15	5	14	5	15	5	11	5	13	5	11	5	14	5	11	5	10	5	13	5	14	14	12
51	22MCIA0451	10	5	12	5	0	5	4	5	4	5	6	5	0	5	10	5	1	5	0	5	12	12	13
52	22MCIA0452	15	5	12	5	14	5	14	5	12	5	12	5	12	5	14	5	10	5	13	5	12	12	14
53	22MCIA0453	12	5	11	5	5	5	0	5	10	5	0	5	7	5	8	5	9	5	7	5	13	13	13
54	22MCIA0454	10	5	10	5	0	5	5	5	0	5	4	5	0	5	9	5	0	5	4	5	12	11	12
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56	22MCIA0456	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	13	11	12
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58	22MCIA0458	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	22MCIA0459	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	12	10	12
60	22MCIA0460	15	5	13	5	14	5	12	5	11	5	12	5	12	5	14	5	9	5	14	5	12	12	13
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63	23MC5A0402	13	5	13	5	11	5	11	5	11	5	12	5	12	5	12	5	13	5	12	5	13	13	13
64	23MC5A0403	13	5	13	5	12	5	9	5	13	5	10	5	9	5	14	5	4	5	13	5	13	13	13
65	23MC5A0404	14	5	8	5	14	5	14	5	11	5	10	5	9	5	9	5	10	5	12	5	13	13	14
66	23MC5A0405	13	5	12	5	11	5	0	5	10	5	0	5	15	5	0	5	13	5	0	5	9	9	0

K. Prabha  
 Chandrashekar  
 Anshitha  
 R.V. Kumar  
 Harshini  
 A. Indira  
 L. Varun S  
 L. Varun S  
 NAK Narasimhan  
 the  
 Sonia  
 Chasthu  
 P. Harshini  
 Sri. P  
 P. Ashok  
 Raju  
 Vaishnavi  
 V. R  
 S. Keethana  
 Bhuvan  
 T. A. Karan  
 Yasaswini  
 Anshu  
 N. Shanyu  
 Naveen  
 Maheshwari  
 Maheshwari  
 Y. D. Lakshmi  
 A. Supriya  
 A.N. Deepa  
 B.M. Sri  
 B.N. Lakshmi

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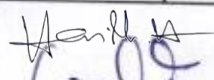
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 Vijayawada, ANAPAVATI-521 456

**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**II B.Tech (II SEMESTER) ECAINTERNAL MARKS**

SL. NO.	REG.NO.	ECA				DICD				AC				LCS				MOB				ECA Lab	AC Lab	DICD Lab
		Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2			
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5			
1	22MC1A0402	0	5	10	5	0	5	1	5	0	5	0	5	0	5	11	5	0	5	6	5	13	13	13
2	22MC1A0403	0	5	12	5	2	5	0	5	6	5	0	5	5	5	0	5	9	5	0	5	12	13	13
3	22MC1A0404	0	5	2	5	4	5	12	5	5	5	7	5	12	5	2	5	10	5	10	5	12	13	12
4	22MC1A0405	0	5	10	5	9	5	11	5	5	5	10	5	10	5	8	5	9	5	8	5	14	12	13
5	22MC1A0406	0	5	9	5	8	5	11	5	5	5	12	5	14	5	12	5	8	5	8	5	12	13	13
6	22MC1A0407	7	5	8	5	12	5	11	5	10	5	11	5	13	5	7	5	10	5	6	5	12	12	13
7	22MC1A0408	0	5	9	5	8	5	11	5	9	5	10	5	9	5	10	5	9	5	9	5	13	12	12
8	22MC1A0409	2	5	9	5	6	5	8	5	5	5	9	5	10	5	8	5	10	5	3	5	12	13	12
9	22MC1A0410	0	5	0	5	0	5	0	5	0	5	0	5	8	5	0	5	11	5	0	5	10	10	10
10	22MC1A0411	11	5	0	5	10	5	0	5	12	5	0	5	13	5	0	5	9	5	0	5	13	13	13
11	22MC1A0412	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
12	22MC1A0413	0	5	8	5	0	5	7	5	7	5	10	5	10	5	8	5	9	5	10	5	13	12	13
13	22MC1A0414	0	5	4	5	3	5	6	5	3	5	6	5	11	5	5	5	9	5	4	5	13	12	14
14	22MC1A0416	0	5	10	5	6	5	9	5	8	5	10	5	11	5	12	5	12	5	10	5	14	13	12
15	22MC1A0417	9	5	14	5	9	5	10	5	13	5	13	5	13	5	9	5	11	5	8	5	13	14	12
16	22MC1A0418	10	5	9	5	5	5	8	5	10	5	10	5	14	5	9	5	10	5	3	5	13	14	12
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18	22MC1A0420	5	5	4	5	4	5	8	5	10	5	7	5	10	5	7	5	9	5	4	5	12	13	14
19	22MC1A0421	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
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21	22MC1A0423	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10

Venkatesh  
 Kinn  
 Shani  
 Chand  
 Shrinu  
 Seetha  
 Gun  
 Shree  
 Abhis  
 Abhis  
 Shrinu  
 Kinn  
 Shrinu  
 Seetha  
 Abhis  
 Shrinu  
 Kinn  
 Chand  
 Kinn  
 Lokesh

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**II B.Tech (II SEMESTER) ECAINTERNAL MARKS**

SL. NO.	REG.NO.	ECA				DICD				AC				LCS				MOB				ECA Lab	AC Lab	DICD Lab	
		Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2				
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5				
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23	22MC1A0425	9	5	7	5	6	5	10	5	8	5	10	5	12	5	11	5	7	5	10	5	12	13	14	Arinca
24	22MC1A0426	5	5	9	5	4	5	10	5	6	5	9	5	12	5	11	5	10	5	10	5	13	14	12	Arinca
25	22MC1A0427	4	5	9	5	7	5	8	5	11	5	9	5	10	5	8	5	8	5	7	5	13	13	14	Arinca
26	22MC1A0428	2	5	3	5	2	5	0	5	2	5	8	5	3	5	4	5	8	5	11	5	12	13	13	Arinca
27	22MC1A0429	2	5	3	5	1	5	3	5	4	5	9	5	6	5	10	5	8	5	11	5	13	14	12	Vishnu
28	22MC1A0430	0	5	2	5	0	5	3	5	3	5	6	5	2	5	11	5	7	5	11	5	13	13	14	Arinca
29	22MC1A0431	8	5	9	5	6	5	9	5	9	5	9	5	11	5	7	5	11	5	10	5	12	13	14	Arinca
30	22MC1A0432	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10	Arinca
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33	22MC1A0435	0	5	0	5	0	5	7	5	0	5	6	5	10	5	0	5	11	5	12	5	13	12	14	Arinca
34	22MC1A0436	11	5	0	5	7	5	9	5	8	5	11	5	13	5	12	5	11	5	8	5	14	13	13	Arinca
35	22MC1A0437	0	5	9	5	7	5	7	5	9	5	4	5	11	5	7	5	7	5	8	5	12	14	12	Arinca
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37	22MC1A0440	10	5	11	5	7	5	8	5	9	5	11	5	10	5	11	5	10	5	8	5	12	13	14	Arinca
38	22MC1A0441	0	5	0	5	0	5	0	5	2	5	0	5	5	5	5	5	7	5	0	5	14	13	12	Arinca
39	22MC1A0442	13	5	14	5	8	5	14	5	13	5	12	5	10	5	12	5	10	5	6	5	14	13	12	Arinca
40	22MC1A0443	1	5	10	5	2	5	6	5	3	5	0	5	6	5	9	5	8	5	9	5	13	13	14	Arinca
41	22MC1A0444	0	5	10	5	9	5	2	5	9	5	6	5	0	5	8	5	10	5	10	5	13	14	12	Arinca
42	22MC1A0445	8	5	5	5	4	5	10	5	7	5	6	5	10	5	10	5	10	5	3	5	12	14	13	Arinca

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**94 HOD**

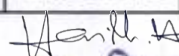
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 Kethanahundi - 57, Ibrahimpatnam (M),  
 Vijayawada, ANAPAVATHI-521 106

**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**II B.Tech (II SEMESTER) ECAINTERNAL MARKS**

SL. NO.	REG.NO.	ECA				DICD				AC				LCS				MOB				ECA Lab	AC Lab	DICD Lab
		Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2			
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5			
43	22MC1A0446	0	5	10	5	6	5	10	5	8	5	8	5	10	5	7	5	4	5	8	5	13	13	14
44	22MC1A0447	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
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49	22MC1A0452	10	5	14	5	10	5	12	5	12	5	12	5	14	5	12	5	11	5	8	5	14	13	13
50	22MC1A0453	0	5	12	5	7	5	8	5	11	5	12	5	13	5	13	5	10	5	11	5	12	13	14
51	22MC1A0454	0	5	13	5	0	5	6	5	0	5	5	5	4	5	12	5	4	5	6	5	13	14	12
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53	22MC1A0456	0	5	9	5	0	5	10	5	5	5	12	5	5	5	4	5	6	5	10	5	14	12	13
54	22MC1A0457	10	5	9	5	5	5	11	5	8	5	6	5	10	5	7	5	11	5	7	5	13	13	13
55	22MC1A0458	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
56	22MC1A0459	0	5	0	5	0	5	4	5	2	5	0	5	4	5	4	5	7	5	0	5	12	13	14
57	22MC1A0460	11	5	11	5	10	5	12	5	13	5	13	5	15	5	15	5	10	5	6	5	14	13	13
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59	23MC5A0402	14	5	14	5	11	5	13	5	11	5	15	5	15	5	15	5	8	5	7	5	12	13	13
60	23MC5A0403	4	5	11	5	9	5	13	5	13	5	12	5	14	5	13	5	10	5	5	5	13	13	13
61	23MC5A0404	8	5	14	5	7	5	12	5	13	5	12	5	15	5	12	5	9	5	6	5	12	12	13
62	23MC5A0405	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
63	23MC5A0406	0	5	14	5	0	5	14	5	0	5	14	5	0	5	14	5	0	5	14	5	13	13	13

Ashok  
 Raghav  
 Jain  
 Dhanu  
 Anshu  
 Akanksha  
 Malavika  
 Jyoti  
 Ananya  
 Kavya  
 Jeeva  
 Dhruv  
 Anshu  
 Ananya  
 Chaitanya  
 Anshu  
 Rohin

  
**Coordinator-IQAC**  
**IRKCE**

  
**95**  
**HOD**

  
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**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**II B.Tech (II SEMESTER) ECAINTERNAL MARKS**


SL. NO.	REG.NO.	ECA				DICD				AC				LCS				MOB				ECA Lab	AC Lab	DICD Lab
		Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2			
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5			
64	23MC5A0407	14	5	0	5	5	5	0	5	12	5	0	5	5	5	0	5	6	5	0	5	15	15	15
65	23MC5A0408	12	5	13	5	11	5	13	5	11	5	13	5	10	5	11	5	8	5	13	5	10	10	10
66	23MC5A0409	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	13	12	14
67	23MC5A0410	14	5	14	5	11	5	13	5	12	5	13	5	10	5	11	5	9	5	7	5	10	10	10
68	23MC5A0411	14	5	14	5	12	5	13	5	12	5	15	5	11	5	10	5	8	5	7	5	12	13	14
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70	23MC5A0413	5	5	9	5	7	5	9	5	13	5	12	5	14	5	6	5	9	5	9	5	12	13	14
71	23MC5A0414	14	5	14	5	11	5	14	5	11	5	14	5	14	5	14	5	7	5	14	5	14	12	13
72	23MC5A0415	0	5	14	5	0	5	14	5	0	5	14	5	0	5	14	5	0	5	14	5	13	13	13
73	23MC5A0416	5	5	11	5	3	5	12	5	14	5	11	5	14	5	7	5	9	5	9	5	13	13	13
74	23MC5A0417	4	5	14	5	10	5	12	5	11	5	13	5	12	5	12	5	11	5	12	5	13	12	13
75	23MC5A0418	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
76	23MC5A0419	5	5	12	5	7	5	13	5	13	5	14	5	12	5	12	5	8	5	11	5	12	13	13
77	23MC5A0420	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
78	23MC5A0421	6	5	13	5	11	5	14	5	0	5	14	5	13	5	14	5	11	5	7	5	13	13	13
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83	23MC5A0426	14	5	14	5	12	5	14	5	11	5	14	5	9	5	14	5	8	5	14	5	13	14	13
84	23MC5A0427	14	5	14	5	13	5	14	5	11	5	14	5	14	5	14	5	7	5	14	5	12	13	14

Gohini  
 Sai  
 Sridhar  
 Kumar  
 Babu  
 Anand  
 Babu  
 Dhanu  
 Harshith  
 Ratan  
 Kishan  
 Manohar  
 Raj  
 Subay  
 Kishan  
 Indika  
 Gouda  
 Anand  
 Ashok  
 Manu

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**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**II B.Tech (II SEMESTER) ECAINTERNAL MARKS**

SL. NO.	REG.NO.	ECA				DICD				AC				LCS				MOB				ECA Lab	AC Lab	DICD Lab	
		Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2				
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85	23MC5A0428	12	5	14	5	12	5	14	5	10	5	14	5	11	5	14	5	8	5	14	5	14	13	13	
86	23MC5A0429	0	5	14	5	0	5	14	5	0	5	14	5	0	5	14	5	0	5	14	5	13	13	14	
87	23MC5A0430	0	5	0	5	0	5	0	5	0	5	14	5	0	5	0	5	0	5	0	5	10	10	10	
88	23MC5A0431	14	5	14	5	11	5	14	5	10	5	14	5	14	5	14	5	7	5	14	5	13	13	12	
89	23MC5A0432	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10	
90	23MC5A0433	14	5	14	5	12	5	13	5	10	5	14	5	14	5	14	5	7	5	14	5	12	13	13	
91	23MC5A0434	0	5	14	5	0	5	14	5	0	5	12	5	0	5	14	5	0	5	14	5	14	14	13	
Signature of the Faculty																									

Reddy  
Prasad  
Maha  
Srinu  
Sashu  
Abhishek  
Kiran  
Sagar

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 R K COLLEGE OF ENGINEERING  
 Kethanakonda (V), Ibrahimpatnam (M),  
 Vijayawada, AMARAVATI-521 456

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 Coordinator IQAC  
 Incharge  
 RKCE

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PRINCIPAL

**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**III B.Tech (II SEMESTER) INTERNAL MARKS**

SL. NO.	REG.NO.	MP&MC				VLSI DESIGN				DSP				MCC				FEE				MPMC LAB	VLSI LAB	DSP LAB
		Mid-1	Assn1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn 1	Mid-2	Assn2			
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5			
1	21MC1A0401	0	5	8	5	0	5	13	5	0	5	14	5	0	5	14	5	0	5	5	5	12	12	12
2	21MC1A0403	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
3	21MC1A0404	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
4	21MC1A0405	0	5	4	5	0	5	5	5	0	5	14	5	0	5	10	5	0	5	12	5	12	11	11
5	21MC1A0406	8	5	12	5	10	5	8	5	10	5	12	5	12	5	7	5	7	5	7	5	12	11	11
6	21MC1A0407	13	5	9	5	13	5	10	5	11	5	13	5	11	5	14	5	12	5	9	5	12	13	13
7	21MC1A0408	8	5	9	5	5	5	9	5	7	5	0	5	10	5	13	5	6	5	0	5	12	12	12
8	21MC1A0409	0	5	10	5	0	5	12	5	0	5	14	5	0	5	14	5	0	5	9	5	13	12	12
9	21MC1A0410	0	5	7	5	0	5	6	5	0	5	14	5	0	5	10	5	0	5	8	5	13	12	12
10	21MC1A0411	12	5	6	5	10	5	12	5	9	5	14	5	13	5	14	5	8	5	12	5	12	13	13
11	21MC1A0412	1	5	2	5	2	5	12	5	7	5	0	5	1	5	0	5	12	5	0	5	10	11	11
12	21MC1A0413	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
13	21MC1A0414	0	5	8	5	0	5	0	5	0	5	14	5	0	5	10	5	12	5	0	5	12	11	11
14	21MC1A0415	12	5	12	5	12	5	12	5	9	5	14	5	10	5	13	5	9	5	12	5	13	12	12
15	21MC1A0416	0	5	10	5	0	5	0	5	0	5	14	5	0	5	14	5	0	5	10	5	12	11	11
16	21MC1A0417	9	5	13	5	12	5	10	5	11	5	14	5	10	5	14	5	9	5	8	5	12	12	12
17	21MC1A0418	4	5	0	5	5	5	0	5	2	5	0	5	0	5	0	5	5	5	0	5	10	10	10
18	21MC1A0419	13	5	12	5	12	5	10	5	10	5	13	5	12	5	13	5	11	5	5	5	13	14	14
19	21MC1A0420	10	5	9	5	8	5	13	5	8	5	12	5	14	5	14	5	0	5	12	5	13	13	13
20	21MC1A0421	9	5	4	5	6	5	10	5	9	5	13	5	13	5	13	5	6	5	7	5	13	12	12
21	21MC1A0422	8	5	8	5	11	5	12	5	6	5	14	5	0	5	13	5	10	5	13	5	12	12	12
22	21MC1A0423	10	5	13	5	13	5	13	5	10	5	14	5	13	5	13	5	13	5	13	5	13	12	12
23	21MC1A0424	9	5	11	5	10	5	10	5	9	5	13	5	0	5	12	5	6	5	12	5	12	12	12
24	21MC1A0425	0	5	9	5	0	5	0	5	0	5	14	5	0	5	10	5	0	5	12	5	12	11	11
25	21MC1A0426	11	5	5	5	11	5	8	5	9	5	13	5	11	5	14	5	6	5	8	5	12	11	11

**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**III B.Tech (II SEMESTER) INTERNAL MARKS**

SL. NO.	REG.NO.	MP&MC				VLSI DESIGN				DSP				MCC				FEE				MPMC LAB	VLSI LAB	DSP LAB	
		Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2				
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5				
26	21MC1A0427	0	5	5	5	0	5	12	5	0	5	14	5	0	5	15	5	0	5	9	5	15	15	15	15
27	21MC1A0428	6	5	11	5	10	5	10	5	8	5	13	5	8	5	13	5	10	5	6	5	12	12	12	12
28	21MC1A0431	9	5	12	5	9	5	9	5	10	5	13	5	13	5	13	5	8	5	8	5	13	12	12	12
29	21MC1A0432	13	5	10	5	11	5	12	5	12	5	14	5	12	5	14	5	11	5	10	5	12	12	12	12
30	21MC1A0433	10	5	10	5	10	5	10	5	8	5	14	5	13	5	15	5	9	5	12	5	13	12	12	12
31	21MC1A0435	13	5	12	5	11	5	3	5	11	5	0	5	10	5	10	5	6	5	7	5	14	14	14	14
32	21MC1A0436	0	5	11	5	0	5	6	5	0	5	0	5	0	5	12	5	0	5	5	5	13	13	13	13
33	21MC1A0437	5	5	7	5	8	5	11	5	9	5	13	5	9	5	12	5	8	5	7	5	13	13	13	13
34	21MC1A0438	15	5	10	5	11	5	12	5	14	5	14	5	12	5	15	5	10	5	13	5	14	14	14	14
35	21MC1A0439	15	5	12	5	13	5	12	5	14	5	14	5	15	5	15	5	15	5	10	5	13	13	13	13
36	21MC1A0440	0	5	7	5	0	5	13	5	0	5	14	5	0	5	15	5	0	5	10	5	12	12	12	12
37	21MC1A0441	5	5	3	5	10	5	6	5	4	5	14	5	7	5	10	5	13	5	8	5	13	12	12	12
38	21MC1A0442	8	5	5	5	10	5	8	5	10	5	13	5	8	5	13	5	4	5	15	5	10	10	10	10
39	21MC1A0443	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10	10
40	21MC1A0444	0	5	11	5	10	5	12	5	8	5	0	5	8	5	14	5	3	5	8	5	13	13	13	13
41	21MC1A0446	0	5	5	5	0	5	8	5	0	5	14	5	0	5	14	5	0	5	8	5	12	12	12	12
42	21MC1A0447	9	5	12	5	12	5	12	5	12	5	14	5	9	5	14	5	10	5	7	5	13	12	12	12
43	21MC1A0448	8	5	10	5	10	5	10	5	10	5	13	5	8	5	10	5	7	5	6	5	12	12	12	12
44	21MC1A0449	0	5	12	5	0	5	12	5	0	5	14	5	8	5	10	5	7	5	6	5	12	12	12	12
45	21MC1A0450	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10	10
46	21MC1A0451	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10	10
47	21MC1A0452	0	5	7	5	0	5	8	5	0	5	14	5	0	5	14	5	0	5	0	5	10	10	10	10
48	21MC1A0453	0	5	12	5	0	5	13	5	0	5	14	5	0	5	14	5	0	5	0	5	13	13	13	13
49	21MC1A0454	0	5	0	5	0	5	0	5	0	5	14	5	0	5	14	5	0	5	13	5	14	14	14	14
50	21MC1A0456	10	5	10	5	14	5	12	5	11	5	13	5	11	5	10	5	12	5	10	5	12	12	12	12

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**Coordinator-IQAC**  
**RKCE**

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**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**III B.Tech (II SEMESTER) INTERNAL MARKS**

SL. NO.	REG.NO.	MP&MC				VLSI DESIGN				DSP				MCC				FDE				MPMC LAB	VLSI LAB	DSP LAB
		Mid-1	Assn1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn 1	Mid-2	Assn2			
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5			
51	21MC1A0457	4	5	8	5	4	5	9	5	7	5	13	5	0	5	12	5	0	5	7	5	12	11	17
52	21MC1A0458	2	5	6	5	5	5	8	5	4	5	14	5	0	5	10	5	5	5	0	5	12	12	12
53	21MC1A0459	13	5	8	5	7	5	12	5	10	5	14	5	11	5	13	5	9	5	13	5	14	14	14
54	21MC1A0460	12	5	12	5	12	5	13	5	14	5	14	5	12	5	15	5	15	5	14	5	13	13	13
55	21MC1A0462	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
56	21MC1A0463	9	5	12	5	9	5	13	5	14	5	14	5	10	5	12	5	12	5	15	5	13	13	13
57	21MC1A0464	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
58	21MC1A0465	0	5	5	5	0	5	10	5	0	5	14	5	0	5	12	5	0	5	4	5	13	12	12
59	21MC1A0466	8	5	4	5	6	5	8	5	7	5	14	5	12	5	10	5	8	5	9	5	13	13	13
60	21MC1A0467	12	5	13	5	14	5	12	5	14	5	14	5	14	5	13	5	9	5	13	5	12	12	12
61	21MC1A0469	14	5	7	5	12	5	6	5	12	5	0	5	10	5	13	5	9	5	6	5	14	14	14
62	21MC1A0470	12	5	12	5	14	5	12	5	10	5	14	5	12	5	12	5	12	5	12	5	13	12	12
63	21MC1A0471	14	5	13	5	14	5	13	5	14	5	14	5	11	5	13	5	15	5	14	5	14	14	14
64	21MC1A0472	0	5	8	5	0	5	12	5	0	5	14	5	0	5	12	5	0	5	4	5	12	12	12
65	21MC1A0473	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	12	10	10
66	21MC1A0474	0	5	0	5	5	5	0	5	0	5	0	5	10	5	0	5	9	5	0	5	10	10	10
67	22MC5A0401	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
68	22MC5A0403	12	5	12	5	12	5	12	5	14	5	12	5	10	5	12	5	10	5	9	5	13	12	12
69	22MC5A0404	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
70	22MC5A0405	11	5	12	5	14	5	13	5	12	5	14	5	14	5	15	5	9	5	9	5	14	14	14
71	22MC5A0407	12	5	13	5	10	5	11	5	12	5	14	5	10	5	10	5	10	5	11	5	13	13	13
72	22MC5A0408	13	5	12	5	12	5	12	5	11	5	12	5	0	5	12	5	10	5	9	5	12	12	12
73	22MC5A0409	14	5	12	5	10	5	13	5	13	5	13	5	13	5	14	5	11	5	14	5	14	14	14
74	22MC5A0410	0	5	4	5	0	5	10	5	0	5	14	5	0	5	11	5	0	5	7	5	12	12	12
75	22MC5A0411	10	5	0	5	7	5	8	5	7	5	14	5	12	5	10	5	8	5	0	5	12	12	12

Coordinator-IQAC  
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**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**III B.Tech (II SEMESTER) INTERNAL MARKS**

SL. NO.	REG.NO.	MP&MC				VLSI DESIGN				DSP				MCC				F&E				MPMC LAB	VLSI LAB	DSP LAB
		Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2			
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5			
101	22MC5A0442	11	5	12	5	12	5	12	5	14	5	12	5	11	5	12	5	10	5	10	5	12	12	12
102	22MC5A0443	10	5	6	5	13	5	6	5	9	5	13	5	10	5	8	5	13	5	7	5	13	13	13
103	22MC5A0444	12	5	12	5	8	5	8	5	12	5	14	5	10	5	10	5	11	5	7	5	13	13	13
104	22MC5A0445	0	5	12	5	0	5	10	5	0	5	14	5	0	5	10	5	0	5	9	5	13	13	13
105	22MC5A0446	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
106	22MC5A0447	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
107	22MC5A0448	10	5	11	5	9	5	12	5	10	5	13	5	7	5	10	5	10	5	5	5	13	13	13
108	22MC5A0449	0	5	12	5	0	5	12	5	0	5	14	5	0	5	12	5	0	5	12	5	12	12	12
109	22MC5A0450	0	5	12	5	0	5	12	5	0	5	12	5	0	5	11	5	0	5	11	5	12	12	12
110	22MC5A0451	0	5	7	5	0	5	12	5	0	5	14	5	0	5	10	5	0	5	10	5	12	12	12
111	22MC5A0452	13	5	11	5	11	5	12	5	12	5	13	5	12	5	12	5	13	5	11	5	13	13	13
Sign. Of Faculty																								

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 PRINCIPAL  
 R K COLLEGE OF ENGINEERING  
 Kethanakonda (V), Ibrahimpatnam (M),  
 Vijayawada, AMARAVATI-521 456

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 Coordinator-IQAC  
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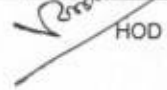
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PRINCIPAL

**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**III B.Tech (I SEMESTER) INTERNAL MARKS**

REG.NO.	AC&A				EW&TL				DC				EM&I				COA				AICA	DC	csp
	Mid-1	Assn1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2			
	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5			
21MC1A0401	0	5	12	5	0	5	9	5	0	5	12	5	0	5	14	5	0	5	13	5	14	9	100
21MC1A0402	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0403	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0404	0	5	9	5	0	5	4	5	0	5	9	5	8	5	10	5	0	5	0	5	11	9	0
21MC1A0405	0	5	9	5	7	5	6	5	4	5	12	5	8	5	13	5	10	5	0	5	12	10	0
21MC1A0406	0	5	13	5	13	5	9	5	11	5	12	5	4	5	11	5	12	5	13	5	13	11	0
21MC1A0407	14	5	13	5	15	5	15	5	13	5	12	5	14	5	13	5	13	5	14	5	14	12	0
21MC1A0408	0	5	11	5	0	5	7	5	0	5	8	5	13	5	9	5	0	5	8	5	12	10	length
21MC1A0409	0	5	12	5	0	5	9	5	0	5	13	5	0	5	14	5	0	5	12	5	13	12	0
21MC1A0410	0	5	11	5	0	5	9	5	0	5	10	5	0	5	11	5	0	5	11	5	11	10	0
21MC1A0411	10	5	14	5	0	5	10	5	11	5	12	5	12	5	14	5	12	5	13	5	12	11	0
21MC1A0412	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0413	0	5	12	5	0	5	10	5	0	5	15	5	0	5	10	5	0	5	13	5	12	12	0
21MC1A0414	0	5	10	5	0	5	11	5	0	5	15	5	0	5	13	5	0	5	12	5	13	12	0
21MC1A0415	13	5	0	5	13	5	12	5	10	5	13	5	14	5	13	5	10	5	13	5	13	13	0
21MC1A0416	0	5	10	5	0	5	12	5	0	5	14	5	0	5	12	5	0	5	13	5	11	9	0
21MC1A0417	0	5	11	5	0	5	10	5	9	5	13	5	14	5	13	5	11	5	13	5	12	12	0
21MC1A0418	0	5	10	5	0	5	13	5	0	5	13	5	13	5	12	5	0	5	8	5	12	10	0
21MC1A0419	14	5	12	5	0	5	12	5	11	5	12	5	13	5	14	5	12	5	11	5	14	10	0
21MC1A0420	14	5	11	5	10	5	12	5	9	5	14	5	14	5	14	5	12	5	13	5	13	10	0
21MC1A0421	0	5	10	5	8	5	8	5	4	5	12	5	11	5	10	5	10	5	10	5	12	11	0
21MC1A0422	0	5	12	5	0	5	13	5	11	5	14	5	14	5	13	5	12	5	14	5	12	11	0
21MC1A0423	0	5	11	5	15	5	15	5	13	5	15	5	15	5	14	5	13	5	14	5	14	14	0
21MC1A0424	10	5	12	5	0	5	11	5	8	5	11	5	12	5	12	5	12	5	10	5	11	9	0
21MC1A0425	0	5	0	5	0	5	0	5	0	5	10	5	0	5	13	5	10	5	14	5	11	10	0
21MC1A0426	0	5	11	5	0	5	10	5	5	5	13	5	10	5	13	5	10	5	12	5	12	10	0
21MC1A0427	0	5	11	5	0	5	14	5	9	5	0	5	14	5	0	5	14	5	0	5	13	11	0
21MC1A0428	10	5	0	5	9	5	8	5	12	5	10	5	8	5	11	5	13	5	12	5	13	11	0
21MC1A0429	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0430	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0431	0	5	13	5	12	5	9	5	9	5	13	5	8	5	14	5	13	5	15	5	13	10	0
21MC1A0432	12	5	13	5	12	5	11	5	11	5	13	5	15	5	12	5	14	5	14	5	14	11	0
21MC1A0433	0	5	12	5	9	5	12	5	8	5	13	5	15	5	14	5	12	5	8	5	12	10	0

Incharge 

 HOD

 PRINCIPAL

PRINCIPAL  
R K COLLEGE OF ENGINEERING  
Kot Banakonda (V), Ibrahimpalana (M),  
Vijayawada, AMARAVATI-521 456



**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**III B.Tech (I SEMESTER) INTERNAL MARKS**

REG.NO.	AC&A				EW&TL				DC				EM&I				COA				AICA	DC	csp
	Mid-1	Assn1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2			
	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5			
21MC1A0434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0435	0	5	12	5	0	5	8	5	0	5	11	5	0	5	12	5	0	5	10	5	13	11	0
21MC1A0436	14	5	13	5	15	5	13	5	8	5	8	5	12	5	10	5	0	5	11	5	13	9	0
21MC1A0437	0	5	11	5	10	5	11	5	10	5	12	5	13	5	9	5	13	5	11	5	12	11	0
21MC1A0438	14	5	11	5	15	5	12	5	13	5	13	5	13	5	12	5	13	5	14	5	12	12	0
21MC1A0439	14	5	13	5	13	5	15	5	14	5	15	5	15	5	14	5	15	5	15	5	13	14	0
21MC1A0440	0	5	12	5	0	5	9	5	0	5	13	5	12	5	12	5	12	5	15	5	12	8	0
21MC1A0441	0	5	12	5	8	5	9	5	6	5	7	5	10	5	9	5	0	5	10	5	11	9	0
21MC1A0442	13	5	0	5	0	5	12	5	8	5	0	5	11	5	0	5	10	5	0	5	11	8	0
21MC1A0443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0444	0	5	11	5	0	5	12	5	0	5	7	5	0	5	10	5	0	5	13	5	11	10	0
21MC1A0445	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0446	0	5	10	5	0	5	13	5	0	5	12	5	0	5	13	5	0	5	10	5	12	10	0
21MC1A0447	0	5	12	5	15	5	15	5	12	5	8	5	14	5	10	5	14	5	15	5	12	10	0
21MC1A0448	4	5	9	5	0	5	9	5	8	5	5	5	8	5	12	5	10	5	10	5	12	10	0
21MC1A0449	11	5	12	5	0	5	10	5	0	5	10	5	14	5	11	5	10	5	12	5	13	11	0
21MC1A0450	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	9	0	0
21MC1A0451	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0452	0	5	10	5	0	5	11	5	0	5	13	5	0	5	13	5	0	5	11	5	12	11	0
21MC1A0453	0	5	13	5	0	5	11	5	0	5	10	5	0	5	11	5	0	5	12	5	13	10	0
21MC1A0454	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0455	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0456	10	5	10	5	4	5	15	5	5	5	13	5	14	5	15	5	14	5	10	5	12	10	0
21MC1A0457	0	5	9	5	0	5	12	5	0	5	8	5	0	5	10	5	0	5	12	5	11	11	0
21MC1A0458	10	5	8	5	0	5	8	5	11	5	9	5	13	5	11	5	6	5	11	5	13	12	0
21MC1A0459	14	5	12	5	0	5	12	5	10	5	12	5	14	5	12	5	12	5	12	5	13	0	0
21MC1A0460	13	5	13	5	0	5	15	5	14	5	15	5	14	5	14	5	13	5	14	5	14	14	0
21MC1A0461	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0462	0	5	11	5	0	5	10	5	0	5	13	5	0	5	13	5	0	5	5	5	11	12	0
21MC1A0463	0	5	13	5	0	5	15	5	0	5	13	5	0	5	12	5	0	5	5	5	13	13	0
21MC1A0464	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0465	0	5	11	5	0	5	12	5	0	5	10	5	0	5	12	5	0	5	14	5	11	9	0
21MC1A0466	9	5	8	5	12	5	7	5	8	5	8	5	10	5	13	5	12	5	12	5	12	11	0

Incharge

HOD

PRINCIPAL

**Coordinator-IQAC**  
**RKCE**

**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**III B.Tech (I SEMESTER) INTERNAL MARKS**

REG.NO.	AC&A				EW&TL				DC				EM&I				COA				AICA	DC	esp	
	Mid-1	Assn1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2				
	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5				
21MC1A0467	12	5	13	5	12	5	15	5	14	5	15	5	13	5	14	5	10	5	13	5	13	14	off	
21MC1A0468	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0469	13	5	0	5	10	5	7	5	12	5	8	5	8	5	10	5	11	5	10	5	12	11	10/11	
21MC1A0470	13	5	13	5	15	5	14	5	13	5	14	5	14	5	14	5	13	5	14	5	14	13	10/11	
21MC1A0471	14	5	14	5	15	5	15	5	12	5	14	5	14	5	15	5	14	5	13	5	14	14	0/Am	
21MC1A0472	8	5	9	5	5	5	8	5	0	5	10	5	8	5	11	5	10	5	12	5	11	10	0/Am	
21MC1A0473	0	5	0	5	0	5	9	5	0	5	14	5	0	5	9	5	0	5	0	5	11	13	0/Am	
21MC1A0474	0	5	12	5	0	5	12	5	0	5	8	5	0	5	9	5	0	5	10	5	11	10	0/Am	
22MC5A0401	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	9	9	0/Am	
22MC5A0402	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22MC5A0403	12	5	13	5	12	5	14	5	13	5	13	5	12	5	0	5	12	5	12	5	12	11	0/Am	
22MC5A0404	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22MC5A0405	10	5	13	5	10	5	15	5	8	5	14	5	14	5	15	5	11	5	15	5	14	11	0/Am	
22MC5A0406	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22MC5A0407	13	5	12	5	11	5	12	5	13	5	15	5	15	5	10	5	13	5	12	5	13	13	0/Am	
22MC5A0408	9	5	12	5	13	5	12	5	12	5	12	5	13	5	11	5	11	5	12	5	11	9	0/Am	
22MC5A0409	12	5	14	5	12	5	13	5	14	5	14	5	14	5	14	5	13	5	12	5	12	9	0/Am	
22MC5A0410	0	5	12	5	0	5	9	5	0	5	13	5	0	5	13	5	0	5	11	5	12	13	0/Am	
22MC5A0411	0	5	12	5	0	5	10	5	0	5	12	5	0	5	10	5	0	5	9	5	11	11	0/Am	
22MC5A0412	13	5	10	5	11	5	11	5	9	5	11	5	10	5	11	5	12	5	0	5	11	9	0/Am	
22MC5A0413	0	5	13	5	14	5	7	5	12	5	13	5	13	5	14	5	13	5	11	5	13	12	0/Am	
22MC5A0414	0	5	0	5	0	5	0	5	4	5	0	5	9	5	0	5	7	5	0	5	12	9	0/Am	
22MC5A0415	11	5	13	5	8	5	7	5	11	5	12	5	8	5	13	5	12	5	10	5	13	9	0/Am	
22MC5A0416	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22MC5A0417	0	5	11	5	0	5	11	5	0	5	12	5	0	5	12	5	0	5	11	5	11	10	0/Am	
22MC5A0418	9	5	12	5	11	5	12	5	12	5	13	5	11	5	13	5	10	5	12	5	11	11	0/Am	
22MC5A0419	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22MC5A0420	0	5	14	5	0	5	10	5	0	5	13	5	0	5	0	5	0	5	11	5	11	11	0/Am	
22MC5A0421	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22MC5A0422	14	5	13	5	12	5	10	5	13	5	9	5	14	5	10	5	12	5	11	5	13	13	0/Am	
22MC5A0423	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	
22MC5A0424	13	5	12	5	9	5	12	5	11	5	13	5	14	5	13	5	12	5	13	5	13	12	0/Am	
22MC5A0425	14	5	5	5	14	5	15	5	12	5	15	5	15	5	15	5	14	5	12	5	13	12	0/Am	

PRINCIPAL  
R K COLLEGE OF ENGINEERING  
Kethanakonda (V), Itanampattanam (M),  
Yuyavada, AMARAVATI-431 456

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PRINCIPAL



**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**IV B.Tech (I SEMESTER) INTERNAL MARKS**

SL. NO.	REG.NO.	UHV				OC				SC				RE				IOT				DM				UHV
		Mid-1	Assn1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	
1	20MC1A0401	0	5	0	5	13	5	13	5	9	5	11	5	13	5	0	5	9	5	9	5	11	5	9	5	29
2	20MC1A0402	0	5	0	5	14	5	13	5	11	5	13	5	14	5	0	5	11	5	13	5	15	5	14	5	29
3	20MC1A0403	0	5	0	5	12	5	13	5	11	5	12	5	12	5	0	5	9	5	12	5	8	5	13	5	30
4	20MC1A0404	0	5	0	5	0	5	8	5	0	5	10	5	10	5	0	5	12	5	0	5	0	5	10	5	20
5	20MC1A0405	0	5	0	5	12	5	12	5	10	5	0	5	10	5	0	5	4	5	0	5	9	5	0	5	21
6	20MC1A0406	0	5	0	5	0	5	11	5	0	5	10	5	8	5	0	5	11	5	0	5	0	5	11	5	20
7	20MC1A0408	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0
8	20MC1A0409	0	5	0	5	13	5	13	5	9	5	9	5	13	5	0	5	9	5	0	5	10	5	10	5	28
9	20MC1A0410	0	5	0	5	0	5	9	5	0	5	10	5	5	5	0	5	0	5	10	5	0	5	10	5	20
10	20MC1A0411	0	5	0	5	15	5	14	5	14	5	14	5	15	5	0	5	15	5	14	5	15	5	10	5	29
11	20MC1A0412	0	5	0	5	0	5	11	5	0	5	10	5	10	5	0	5	0	5	10	5	0	5	10	5	21
12	20MC1A0414	0	5	0	5	0	5	10	5	0	5	10	5	10	5	0	5	11	5	0	5	0	5	11	5	20
13	20MC1A0415	0	5	0	5	13	5	13	5	11	5	9	5	13	5	0	5	13	5	11	5	10	5	9	5	25
14	20MC1A0417	0	5	0	5	13	5	13	5	0	5	11	5	14	5	0	5	9	5	0	5	12	5	9	5	22
15	20MC1A0419	0	5	0	5	13	5	14	5	10	5	9	5	13	5	0	5	9	5	0	5	11	5	0	5	26
16	20MC1A0420	0	5	0	5	0	5	13	5	9	5	5	5	13	5	0	5	10	5	0	5	9	5	10	5	24
17	20MC1A0421	0	5	0	5	13	5	13	5	9	5	5	5	13	5	0	5	10	5	0	5	10	5	11	5	28
18	20MC1A0422	0	5	0	5	0	5	10	5	0	5	10	5	10	5	0	5	0	5	10	5	12	5	0	5	21
19	20MC1A0423	0	5	0	5	10	5	0	5	12	5	0	5	9	5	0	5	14	5	0	5	13	5	0	5	22
20	20MC1A0424	0	5	0	5	14	5	14	5	11	5	14	5	14	5	0	5	11	5	14	5	14	5	10	5	30

Swrendra  
 Deepu  
 Siva  
 Vinay Kumar  
 Kumar  
 Hemant  
 Venkatesh Reddy  
 Karthik Naidu  
 Ch. Venumadhav  
 Naveendra  
 Haritha  
 Ch. Kasturi  
 Sausarika  
 Manika G  
 Hasini  
 Choko  
 Harika  
 Cr. Ramababu  
 Kasturi  
 G.V. Balakrishna Reddy

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 Coordinator IQAC  
 RKCE

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 HOD

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 PRINCIPAL

**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**IV B.Tech (I SEMESTER) INTERNAL MARKS**

SL. NO.	REG.NO.	UHV				OC				SC				RE				IOT				DM				UHV
		Mid-1	Assn1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	
21	20MC1A0425	0	5	0	5	0	5	13	5	0	5	10	5	10	5	0	5	0	5	10	5	0	5	9	5	20

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 PRINCIPAL  
 R K COLLEGE OF ENGINEERING  
 Kethanakonda (V), Ibrahimpatnam (M),  
 Vijayawada, AMARAVATI-521 456

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 Coordinator-IQAC  
 RKCE

**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**IV B.Tech (I SEMESTER) INTERNAL MARKS**

SL. NO.	REG.NO.	UHV				OC				SC				RE				IOT				DM				UHV
		Mid-1	Assn1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	
22	20MC1A0426	0	5	0	5	0	5	10	5	0	5	10	5	10	5	0	5	0	5	10	5	0	5	11	5	20
23	20MC1A0427	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	20
24	20MC1A0428	0	5	0	5	0	5	12	5	0	5	10	5	10	5	0	5	0	5	10	5	0	5	9	5	22
25	20MC1A0429	0	5	0	5	8	5	12	5	12	5	10	5	11	5	0	5	8	5	0	5	10	5	9	5	26
26	20MC1A0430	0	5	0	5	0	5	10	5	0	5	10	5	10	5	0	5	0	5	10	5	0	5	10	5	20
27	20MC1A0431	0	5	0	5	0	5	9	5	0	5	10	5	9	5	0	5	0	5	10	5	0	5	10	5	20
28	20MC1A0432	0	5	0	5	1	5	13	5	12	5	12	5	14	5	0	5	0	5	12	5	12	5	11	5	30
29	20MC1A0433	0	5	0	5	13	5	13	5	12	5	15	5	14	5	0	5	11	5	12	5	12	5	12	5	30
30	20MC1A0434	0	5	0	5	11	5	12	5	11	5	10	5	13	5	0	5	14	5	10	5	11	5	10	5	29
31	20MC1A0436	0	5	0	5	8	5	0	5	11	5	8	5	13	5	0	5	10	5	12	5	13	5	10	5	29
32	20MC1A0437	0	5	0	5	13	5	13	5	10	5	12	5	14	5	0	5	9	5	11	5	13	5	11	5	29
33	20MC1A0438	0	5	0	5	0	5	10	5	0	5	10	5	10	5	0	5	0	5	10	5	0	5	10	5	20
34	20MC1A0439	0	5	0	5	12	5	12	5	0	5	11	5	10	5	0	5	14	5	0	5	10	5	9	5	29
35	20MC1A0440	0	5	0	5	1	5	0	5	8	5	0	5	11	5	0	5	0	5	10	5	0	5	10	5	20
36	20MC1A0441	0	5	0	5	12	5	0	5	12	5	10	5	14	5	0	5	11	5	0	5	10	5	11	5	29
37	20MC1A0442	0	5	0	5	14	5	14	5	13	5	14	5	14	5	0	5	10	5	0	5	13	5	15	5	29
38	20MC1A0443	0	5	0	5	0	5	10	5	0	5	0	5	0	5	0	5	0	5	10	5	0	5	10	5	20
39	20MC1A0444	0	5	0	5	0	5	0	5	8	5	0	5	9	5	0	5	5	5	0	5	5	5	0	5	20
40	20MC1A0446	0	5	0	5	6	5	0	5	2	5	0	5	13	5	0	5	5	5	0	5	13	5	0	5	21
41	20MC1A0447	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0

*Verumadhani*  
*Jagadeeshu*  
*Vibek*  
*Manoj*  
*Kumari.k*  
*maha kumar*  
*Samy*  
*Hari Krishna*  
*Ranga*  
*Suapna*  
*K. Ramesh*  
*Somesh*  
*Vignesh*  
*Mandini*  
*Dileep*  
*K. Aravind*  
*monahan*  
*chandian*

*Haril*  
**Coordinator-IQAC**  
**RKCE**

*109*  
**HOD**

*Principal*  
**PRINCIPAL**

**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**IV B.Tech (I SEMESTER) INTERNAL MARKS**

SL. NO.	REG.NO.	UHV				OC				SC				RE				IOT				DM				UHV
		Mid-1	Assn1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	
42	20MC1A0448	0	5	0	5	6	5	13	5	12	5	13	5	14	5	0	5	12	5	0	5	13	5	11	5	30
43	20MC1A0449	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0
44	20MC1A0450	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0
45	20MC1A0451	0	5	0	5	12	5	12	5	7	5	8	5	12	5	0	5	12	5	0	5	9	5	10	5	25

Haribha.  
Kornale  
M. Saikrishna  
Dnyu

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 PRINCIPAL  
 R K COLLEGE OF ENGINEERING  
 Kethanakonda (V), Ibrahimpatnam (M),  
 Vijayawada, AMARAVATI-521 456

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 Coordinator-IQAC  
 RKCE

**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**IV B.Tech (I SEMESTER) INTERNAL MARKS**

SL. NO.	REG.NO.	UHV				OC				SC				RE				IOT				DM				UHV	
		Mid-1	Assn1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2		
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5		
46	20MC1A0452	0	5	0	5	0	5	5	5	0	5	10	5	5	0	5	0	5	0	5	10	5	0	5	10	5	22
47	20MC1A0453	0	5	0	5	12	5	12	5	6	5	10	5	11	5	0	5	9	5	12	5	10	5	10	5	22	
48	20MC1A0454	0	5	0	5	0	5	10	5	0	5	10	5	10	5	0	5	0	5	10	5	0	5	10	5	21	
49	20MC1A0455	0	5	0	5	0	5	12	5	0	5	0	5	9	5	0	5	0	5	10	5	0	5	14	5	22	
50	20MC1A0456	0	5	0	5	13	5	13	5	13	5	13	5	13	5	0	5	3	5	12	5	12	5	13	5	28	
51	20MC1A0457	0	5	0	5	0	5	10	5	0	5	10	5	11	5	0	5	0	5	10	5	0	5	10	5	20	
52	20MC1A0458	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	
53	20MC1A0459	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	
54	20MC1A0460	0	5	0	5	11	5	0	5	12	5	0	5	10	5	0	5	11	5	0	5	12	5	0	5	20	
55	20MC1A0461	0	5	0	5	10	5	10	5	10	5	0	5	12	5	0	5	12	5	0	5	10	5	8	5	24	
56	20MC1A0462	0	5	0	5	0	5	10	5	0	5	10	5	11	5	0	5	0	5	10	5	12	5	0	5	0	
57	20MC1A0463	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	
58	20MC1A0464	0	5	0	5	0	5	9	5	0	5	10	5	9	5	0	5	0	5	0	5	0	5	10	5	21	
59	20MC1A0465	0	5	0	5	0	5	10	5	0	5	8	5	10	5	0	5	0	5	9	5	0	5	9	5	23	
60	20MC1A0466	0	5	0	5	11	5	12	5	13	5	12	5	13	5	0	5	11	5	0	5	12	5	9	5	26	
61	20MC1A0467	0	5	0	5	0	5	10	5	0	5	10	5	10	5	0	5	0	5	10	5	0	5	10	5	20	
62	20MC1A0468	0	5	0	5	0	5	10	5	0	5	10	5	10	5	0	5	0	5	10	5	0	5	10	5	20	
63	20MC1A0469	0	5	0	5	0	5	10	5	9	5	12	5	13	5	0	5	0	5	10	5	0	5	9	5	24	
64	20MC1A0470	0	5	0	5	14	5	13	5	12	5	14	5	14	5	0	5	9	5	0	5	13	5	13	5	20	
65	20MC1A0471	0	5	0	5	8	5	12	5	11	5	9	5	10	5	0	5	7	5	0	5	9	5	11	5	25	

nagani  
karanya  
Raj Kumar  
Nageswarao  
P. Sai Kumar  
K  
Nagendra  
Suresh  
Deepa  
Sushma  
Karan  
Nithin, K  
S.J. Mahesh  
m. Mahangan  
Souravi  
Aravind  
Sathadea  
A  
Kumarin

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Coordinator-IQAC  
RKCE

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**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**IV B.Tech (I SEMESTER) INTERNAL MARKS**

SL. NO.	REG.NO.	UHV				OC				SC				RE				IOT				DM				UHV
		Mid-1	Assn1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	
66	20MC1A0472	0	5	0	5	0	5	10	5	0	5	10	5	12	5	0	5	0	5	10	5	0	5	10	5	20
67	20MC1A0473	0	5	0	5	10	5	12	5	12	5	11	5	13	5	0	5	8	5	13	5	14	5	14	5	27
68	20MC1A0474	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0
69	20MC1A0475	0	5	0	5	8	5	12	5	12	5	12	5	13	5	0	5	10	5	0	5	13	5	12	5	26

*Hemalatha*  
*T.V.*  
*Hemalatha*  
*Musa*

*[Handwritten signature]*

*[Handwritten signature]*  
 PRINCIPAL  
 R K COLLEGE OF ENGINEERING  
 Kethanakonda (V), Ibrahimpatnam (M),  
 Vijayawada, AMARAVATI-521 456




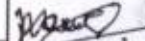

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**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**IV B.Tech (I SEMESTER) INTERNAL MARKS**

SL. NO.	REG.NO.	UHV				OC				SC				RE				IOT				DM				UHV
		Mid-1	Assn1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	
70	20MC1A0476	0	5	0	5	12	5	13	5	12	5	13	5	14	5	0	5	9	5	13	5	11	5	13	5	29
71	20MC1A0477	0	5	0	5	0	5	12	5	0	5	10	5	4	5	0	5	13	5	0	5	11	5	13	5	26
72	20MC1A0478	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0
73	20MC1A0479	0	5	0	5	0	5	10	5	0	5	11	5	10	5	0	5	0	5	11	5	0	5	8	5	26
74	20MC1A0480	0	5	0	5	0	5	10	5	0	5	10	5	9	5	0	5	0	5	6	5	0	5	10	5	20
75	20MC1A0481	0	5	0	5	0	5	10	5	0	5	7	5	11	5	0	5	0	5	11	5	0	5	10	5	20
76	20MC1A0482	0	5	0	5	0	5	6	5	0	5	9	5	5	5	0	5	0	5	10	5	0	5	10	5	20
77	20MC1A0483	0	5	0	5	14	5	15	5	14	5	14	5	14	5	0	5	12	5	13	5	14	5	7	5	30
78	20MC1A0484	0	5	0	5	0	5	10	5	0	5	10	5	9	5	0	5	0	5	10	5	0	5	10	5	24
79	21MC5A0401	0	5	0	5	12	5	13	5	14	5	14	5	14	5	0	5	12	5	12	5	11	5	15	5	29
80	21MC5A0402	0	5	0	5	12	5	13	5	13	5	13	5	13	5	0	5	10	5	13	5	15	5	13	5	28
81	21MC5A0403	0	5	0	5	0	5	10	5	0	5	10	5	10	5	0	5	0	5	10	5	0	5	10	5	20
82	21MC5A0404	0	5	0	5	13	5	0	5	12	5	0	5	14	5	0	5	0	5	10	5	12	5	0	5	22
83	21MC5A0405	0	5	0	5	12	5	0	5	13	5	0	5	14	5	0	5	0	5	11	5	12	5	9	5	20
84	21MC5A0406	0	5	0	5	12	5	0	5	12	5	0	5	14	5	0	5	0	5	10	5	12	5	0	5	21
85	21MC5A0407	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0
86	21MC5A0408	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0
87	21MC5A0409	0	5	0	5	13	5	0	5	12	5	0	5	14	5	0	5	13	5	0	5	12	5	0	5	21
88	21MC5A0410	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0
89	21MC5A0411	0	5	0	5	14	5	14	5	14	5	14	5	15	5	0	5	13	5	13	5	13	5	13	5	30

  
  
 Harshvardhan  
 Lokesh  
 Ramona  
 V.N. Kumar  
  
  
 Hemant Kumar  
 Revathi  
 Rajsekhar  
 B.C. Manika  
 Harish  
 Ch. Omkar  
 Hemant  
 Venu  
 Mohan  
  
 Mukhesh  
 K. Manikanta  
 S. S. Sri

  
 Coordinator IQAC  
 RKCE

  
 113  
 HOD

  
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**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**IV B.Tech (I SEMESTER) INTERNAL MARKS**

SL. NO.	REG.NO.	UHV				OC				SC				RE				IOT				DM				UHV				
		Mid-1	Assn1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2					
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5					
90	21MC5A0412	0	5	0	5	14	5	13	5	14	5	13	5	14	5	0	5	10	5	0	5	15	5	15	5	15	5	15	5	30
91	21MC5A0413	0	5	0	5	0	5	13	5	12	5	0	5	13	5	0	5	11	5	0	5	10	5	9	5	10	5	14	5	30
92	21MC5A0414	0	5	0	5	0	5	10	5	10	5	0	5	12	5	0	5	0	5	5	5	11	5	0	5	0	5	0	5	28
93	21MC5A0415	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0

K. Meghana  
 Afarifa Sad  
 M.G.H.R.  
 Manohar

RMD

SM

SM  
 PRINCIPAL  
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 Kethanakonda (V), Ibrahimpatnam (M),  
 Vijayawada, AMARAVATI-521 456

Harish  
 Incharge  
 Coordinator-IQAC  
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**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**IV B.Tech (I SEMESTER) INTERNAL MARKS**

SL. NO.	REG.NO.	UHV				OC				SC				RE				IOT				DM				UHV	
		Mid-1	Assn1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2		
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5		
94	21MC5A0416	0	5	0	5	0	5	10	5	0	5	10	5	0	5	0	5	0	5	10	5	0	5	10	5	0	Pandu.P.
95	21MC5A0417	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	P.N.Babu
96	21MC5A0418	0	5	0	5	13	5	0	5	12	5	0	5	12	5	0	5	12	5	0	5	11	5	0	5	22	
97	21MC5A0419	0	5	0	5	0	5	10	5	0	5	10	5	3	5	0	5	0	5	5	5	0	5	10	5	21	Vinod
98	21MC5A0420	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	H.S. Mani Mohan
99	21MC5A0421	0	5	0	5	10	5	0	5	12	5	0	5	13	5	0	5	9	5	0	5	9	5	0	5	22	
100	21MC5A0422	0	5	0	5	14	5	13	5	13	5	13	5	13	5	0	5	10	5	12	5	0	5	13	5	23	Mani
101	21MC5A0423	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	Shravanthi
102	21MC5A0424	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	V.Sandeep
103	21MC5A0425	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	Manasa
104	21MC5A0426	0	5	0	5	0	5	10	5	0	5	10	5	10	5	0	5	0	5	10	5	0	5	10	5	21	M.J. Babu
105	21MC5A0427	0	5	0	5	0	5	10	5	0	5	10	5	10	5	0	5	0	5	10	5	0	5	10	5	22	M. ...
106	21MC5A0428	0	5	0	5	0	5	10	5	0	5	10	5	10	5	0	5	0	5	10	5	0	5	9	5	20	Duni
Sign. Of Faculty																											

  
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 Vijayawada, AMARAVATI-521 456



  
 Coordinator-IQAC  
 R K C E

  
 115  
 HOD

PRINCIPAL

Date:- 16/9/23  
Kethanakonda,

TO  
The Hod Sir

Electronics and Communication Engineering,  
RK college of Engineering

Sub:- Mid marks are wrongly placed in notice board.

Respected Sir,

I am I. Praven bearing hall ticket no: 22MCA0427  
Studying BiTech in ECE II year I semester in our college  
In Mid-I Examination I have secured 12 marks out of  
15 marks in the subject STLD, but in notice  
board the marks are displaced as 8 marks so I am  
kindly requesting you to change marks in notice board.

Thanking you Sir.

dy



Yours faithfully  
I. Praven  
Principal  
RK COLLEGE OF ENGINEERING  
Kethanakonda (V), Ibrahimpatnam (M)  
Vijayawada, AMARAVATI-521 456

Hanil A

Coordinator-IQAC  
RKCE

Date :- 30/3/21  
Kethanakonda

TO,

The HOD Sir

Electronics and Communication Engineering

Rk college of Engineering

Sub:- Midmarks are wrongly placed in notice board.

Respected sir,

I am D. Akshitha bearing hall ticket:- 22MC1A0417  
Studying B.Tech in ECE II Year II semester in our college. In  
Mid-II Examination I have secured 12 marks out of 15 in  
the subject ECA but in notice board the marks are displayed  
as 9 marks. So I am kindly requesting you to change my  
Mid-II marks in notice board.

Thanking you sir

Your faithfully,

D. Akshitha  
22MC1A0417.

RK COLLEGE OF ENGINEERING  
Kethanakonda (V), Ibrahimpatnam (M),  
Vijayawada, AMARAVATI-521 456



Coordinator-IQAC  
RKCE

Date: 26/03/23  
Kethanakonda,

To,  
The HOD sir,  
Electronics & Communication Engineering,  
RK college of Engineering.

Sub:- Mid marks are wrongly noticed in the noticed board.


Respected sir,

I am K.Gowtham Reddy bearing hall ticket no. 21MC1A0432  
Studying B.Tech in ECE III year II semester in our college. In  
mid-II examination I have secured 12 marks out of 15 in the  
Subject DSP but in notice board the marks are displaced  
as 9 marks. So, I am kindly requesting you to change my  
mid-II marks.

Thanking you sir.

  
Permit  


Your's faithfully,  
K.Gowtham Reddy,  
21MC1A0432.

  
PRINCIPAL  
RK COLLEGE OF ENGINEERING  
Kethanakonda (V), Ibrahimpatnam (M),  
Vijayawada, AMARAVATI-521 456



Coordinator-IQAC  
RKCE

Date: 13/9/23,  
Kethanakonda.

To,  
The HOD sir,  
Electronics & Communication Engineering,  
RK College of Engineering.

Sub:- Midmarks are wrongly placed in notice board.


Respected sir,

I am B. Jayachandra bearing hall ticket no. 21MC1A0406  
Studying B.Tech in ECE III year I semester in our college. In  
Mid-I Examination I have secured 14 marks out of 15 in the  
subject Digital communication (DC), but in notice board the  
marks are displaced as 10 marks. So, I am kindly requesting  
you to change my mid-I marks in notice board.

Thanking you sir.

Yours faithfully,  
B. Jayachandra,  
21MC1A0406.



  
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Vijayawada, AMARAVATI-521 456



Coordinator-IQAC  
RKCE



Date: 24/09/23  
Kethanakonda.

To

The HOD Sir,  
Electronics & Comm. engineering,  
RK college of engineering,

Sub:- midmarks are wrongly noticed in the  
notice board, I want some more additional  
marks...

Respected Sir,

I am Chandanika B regarding to  
no. 21MC5A0402. Pursuing final year B.Tech in  
the stream of ECE. I examination, I got 10 in  
the subject Internet of things (IoT), but in  
notice board the marks are displaced as 0  
marks. So I am kindly requesting you to change  
my mid-I marks in the notice board.

Thanking you Sir,



Your's obediently,  
B.C. Manika,  
Principal  
RK COLLEGE OF ENGINEERING  
Kethanakonda (V), Ibrahimpatnam (M)  
Vijayawada, ANAPARTI-21-058

Coordinator-IQAC  
RKCE



SL. NO	REG.NO.	M3				EDC				STLD				SS				RVSP				EDC	STLD	JAVA
		Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2			
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5			
31	22MCIA0431	13	5	13	5	11	5	6	5	8	5	10	5	8	5	10	5	0	5	9	5	12	12	11
32	22MCIA0432	14	5	12	5	0	5	1	5	0	5	8	5	0	5	0	5	0	5	0	5	9	9	14
33	22MCIA0433	13	5	8	5	0	5	7	5	0	5	3	5	3	5	9	5	5	5	6	5	12	12	9
34	22MCIA0434	13	5	10	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	9	9	0
35	22MCIA0435	0	5	0	5	0	5	9	5	0	5	9	5	0	5	9	5	0	5	9	5	12	12	14
36	22MCIA0436	12	5	13	5	12	5	6	5	8	5	9	5	3	5	11	5	8	5	7	5	13	13	13
37	22MCIA0437	11	5	10	5	6	5	8	5	10	5	0	5	7	5	13	5	9	5	9	5	14	14	12
38	22MCIA0438	11	5	12	5	8	5	10	5	9	5	9	5	3	5	11	5	10	5	12	5	12	12	12
39	22MCIA0439	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	22MCIA0440	0	5	0	5	15	5	0	5	12	5	0	5	8	5	0	5	11	5	0	5	12	12	13
41	22MCIA0441	10	5	10	5	0	5	9	5	0	5	0	5	0	5	9	5	0	5	10	5	12	11	12
42	22MCIA0442	15	5	13	5	14	5	14	5	9	5	12	5	13	5	11	5	11	5	14	5	13	13	13
43	22MCIA0443	9	5	10	5	7	5	6	5	1	5	6	5	0	5	9	5	0	5	2	5	12	11	12
44	22MCIA0444	10	5	8	5	0	5	8	5	0	5	6	5	0	5	5	5	0	5	10	5	13	12	13
45	22MCIA0445	11	5	10	5	9	5	8	5	10	5	8	5	3	5	10	5	7	5	6	5	14	14	14
46	22MCIA0446	11	5	9	5	8	5	4	5	6	5	6	5	6	5	9	5	7	5	8	5	12	12	13
47	22MCIA0447	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	22MCIA0448	11	5	12	5	12	5	10	5	6	5	8	5	8	5	14	5	8	5	14	5	12	12	12
49	22MCIA0449	11	5	13	5	14	5	13	5	13	5	8	5	5	5	10	5	8	5	8	5	13	13	13
50	22MCIA0450	15	5	14	5	15	5	11	5	13	5	11	5	14	5	11	5	10	5	13	5	14	14	12
51	22MCIA0451	10	5	12	5	0	5	4	5	4	5	6	5	0	5	10	5	1	5	0	5	12	12	13
52	22MCIA0452	15	5	12	5	14	5	14	5	12	5	12	5	12	5	14	5	10	5	13	5	12	12	14
53	22MCIA0453	12	5	11	5	5	5	0	5	10	5	0	5	7	5	8	5	9	5	7	5	13	13	13
54	22MCIA0454	10	5	10	5	0	5	5	5	0	5	4	5	0	5	9	5	0	5	4	5	12	11	12
55	22MCIA0455	0	5	0	5	4	5	0	5	7	5	0	5	0	5	0	5	0	5	0	5	12	12	13
56	22MCIA0456	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	13	11	12
57	22MCIA0457	11	5	12	5	0	5	9	5	0	5	6	5	0	5	10	5	0	5	10	5	12	12	13
58	22MCIA0458	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	22MCIA0459	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	12	10	12
60	22MCIA0460	15	5	13	5	14	5	12	5	11	5	12	5	12	5	14	5	9	5	14	5	12	12	13
61	22MCIA0461	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	23MC5A0401	15	5	10	5	14	5	12	5	12	5	9	5	10	5	14	5	11	5	9	5	13	13	13
63	23MC5A0402	13	5	13	5	11	5	11	5	11	5	12	5	12	5	12	5	13	5	12	5	13	13	13
64	23MC5A0403	13	5	13	5	12	5	9	5	13	5	10	5	9	5	14	5	4	5	13	5	14	14	13
65	23MC5A0404	14	5	8	5	14	5	14	5	11	5	10	5	9	5	9	5	10	5	12	5	13	13	14
66	23MC5A0405	13	5	12	5	11	5	0	5	10	5	0	5	15	5	0	5	13	5	0	5	9	9	0

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B.K. COLLEGE OF ENGINEERING  
Kethanagouda - 561028  
Vijayawada, AMARAVATI-528 456

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**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**II B.Tech (II SEMESTER) ECAINTERNAL MARKS**

SL. NO.	REG.NO.	ECA				DICD				AC				LCS				MOB				ECA Lab	AC Lab	DICD Lab
		Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2			
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5			
1	22MC1A0402	0	5	10	5	0	5	1	5	0	5	0	5	0	5	11	5	0	5	6	5	13	13	13
2	22MC1A0403	0	5	12	5	2	5	0	5	6	5	0	5	5	5	0	5	9	5	0	5	12	13	13
3	22MC1A0404	0	5	2	5	4	5	12	5	5	5	7	5	12	5	2	5	10	5	10	5	12	13	12
4	22MC1A0405	0	5	10	5	9	5	11	5	5	5	10	5	10	5	8	5	9	5	8	5	14	12	13
5	22MC1A0406	0	5	9	5	8	5	11	5	5	5	12	5	14	5	12	5	8	5	8	5	12	13	13
6	22MC1A0407	7	5	8	5	12	5	11	5	10	5	11	5	13	5	7	5	10	5	6	5	12	12	13
7	22MC1A0408	0	5	9	5	8	5	11	5	9	5	10	5	9	5	10	5	9	5	9	5	13	12	12
8	22MC1A0409	2	5	9	5	6	5	8	5	5	5	9	5	10	5	8	5	10	5	3	5	12	13	12
9	22MC1A0410	0	5	0	5	0	5	0	5	0	5	0	5	8	5	0	5	11	5	0	5	10	10	10
10	22MC1A0411	11	5	0	5	10	5	0	5	12	5	0	5	13	5	0	5	9	5	0	5	13	13	13
11	22MC1A0412	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
12	22MC1A0413	0	5	8	5	0	5	7	5	7	5	10	5	10	5	8	5	9	5	10	5	13	12	13
13	22MC1A0414	0	5	4	5	3	5	6	5	3	5	6	5	11	5	5	5	9	5	4	5	13	12	14
14	22MC1A0416	0	5	10	5	6	5	9	5	8	5	10	5	11	5	12	5	12	5	10	5	14	13	12
15	22MC1A0417	9	5	14	5	9	5	10	5	13	5	13	5	14	5	9	5	11	5	8	5	13	14	12
16	22MC1A0418	10	5	9	5	5	5	8	5	10	5	10	5	14	5	9	5	10	5	3	5	13	14	12
17	22MC1A0419	4	5	12	5	0	5	4	5	0	5	7	5	14	5	9	5	10	5	3	5	13	14	12
18	22MC1A0420	5	5	4	5	4	5	8	5	10	5	7	5	10	5	7	5	9	5	4	5	12	13	14
19	22MC1A0421	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
20	22MC1A0422	0	5	0	5	0	5	4	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
21	22MC1A0423	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10

R K COLLEGE OF ENGINEERING  
 Kethanagonda (V), Ibrahimnagar (M),  
 Vijayavada, ANAPAVATI-521 456

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**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**II B.Tech (II SEMESTER) ECAINTERNAL MARKS**

SL. NO.	REG.NO.	ECA				DICD				AC				LCS				MOB				ECA Lab	AC Lab	DICD Lab			
		Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2						
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5						
22	22MC1A0424	0	5	3	5	0	5	4	5	0	5	5	5	15	5	15	5	15	5	15	5	15	5	15	15	15	15
23	22MC1A0425	9	5	7	5	6	5	10	5	8	5	10	5	12	5	11	5	7	5	10	5	12	13	13	13	12	
24	22MC1A0426	5	5	9	5	4	5	10	5	6	5	9	5	12	5	11	5	7	5	10	5	12	13	13	13	14	
25	22MC1A0427	4	5	9	5	7	5	8	5	11	5	9	5	10	5	8	5	8	5	10	5	13	14	14	12	12	
26	22MC1A0428	2	5	3	5	2	5	0	5	2	5	8	5	3	5	4	5	8	5	11	5	13	13	13	14	14	
27	22MC1A0429	2	5	3	5	1	5	3	5	4	5	9	5	6	5	10	5	8	5	11	5	12	13	13	13	13	
28	22MC1A0430	0	5	2	5	0	5	3	5	3	5	6	5	2	5	11	5	7	5	11	5	13	14	14	12	12	
29	22MC1A0431	8	5	9	5	6	5	9	5	9	5	9	5	11	5	7	5	11	5	10	5	13	13	13	14	14	
30	22MC1A0432	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	12	13	13	14	14	
31	22MC1A0433	1	5	4	5	0	5	2	5	0	5	5	5	9	5	8	5	5	5	9	5	10	10	10	10	10	
32	22MC1A0434	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	14	13	13	12	12	
33	22MC1A0435	0	5	0	5	0	5	7	5	0	5	6	5	10	5	0	5	0	5	0	5	10	10	10	10	10	
34	22MC1A0436	11	5	0	5	7	5	9	5	8	5	11	5	13	5	12	5	11	5	12	5	13	12	12	14	14	
35	22MC1A0437	0	5	9	5	7	5	7	5	9	5	4	5	11	5	7	5	7	5	8	5	14	13	13	13	13	
36	22MC1A0438	8	5	9	5	7	5	8	5	10	5	9	5	10	5	11	5	7	5	8	5	12	14	14	12	12	
37	22MC1A0440	10	5	11	5	7	5	8	5	9	5	11	5	11	5	11	5	10	5	10	5	13	13	13	14	14	
38	22MC1A0441	0	5	0	5	0	5	0	5	2	5	0	5	5	5	11	5	10	5	8	5	12	13	13	14	14	
39	22MC1A0442	13	5	14	5	8	5	14	5	13	5	12	5	10	5	12	5	10	5	6	5	14	13	13	12	12	
40	22MC1A0443	1	5	10	5	2	5	6	5	3	5	0	5	6	5	9	5	8	5	9	5	14	13	13	12	12	
41	22MC1A0444	0	5	10	5	9	5	2	5	9	5	6	5	0	5	8	5	10	5	10	5	13	13	13	14	14	
42	22MC1A0445	8	5	5	5	4	5	10	5	7	5	6	5	10	5	10	5	10	5	3	5	12	14	14	12	12	

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**R K COLLEGE OF ENGINEERING**  
 Kethanahalli (V), Ibrahimpatnam (M),  
 Vijayawada, ANAPARUPU-521 456

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**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**II B.Tech (II SEMESTER) ECAINTERNAL MARKS**

SL. NO.	REG.NO.	ECA				DICD				AC				LCS				MOB				ECA Lab	AC Lab	DICD Lab
		Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2			
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5			
43	22MC1A0446	0	5	10	5	6	5	10	5	8	5	8	5	10	5	7	5	4	5	8	5	13	13	14
44	22MC1A0447	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
45	22MC1A0448	0	5	11	5	6	5	7	5	8	5	10	5	7	5	12	5	12	5	9	5	12	13	14
46	22MC1A0449	11	5	5	5	11	5	10	5	12	5	10	5	10	5	8	5	9	5	7	5	14	13	14
47	22MC1A0450	12	5	11	5	12	5	14	5	13	5	11	5	14	5	12	5	10	5	8	5	13	13	13
48	22MC1A0451	0	5	10	5	0	5	6	5	3	5	6	5	0	5	5	5	6	5	9	5	13	14	12
49	22MC1A0452	10	5	14	5	10	5	12	5	12	5	12	5	14	5	12	5	11	5	8	5	14	13	13
50	22MC1A0453	0	5	12	5	7	5	8	5	11	5	12	5	13	5	13	5	10	5	11	5	12	13	14
51	22MC1A0454	0	5	13	5	0	5	6	5	0	5	5	5	4	5	12	5	4	5	6	5	13	14	12
52	22MC1A0455	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
53	22MC1A0456	0	5	9	5	0	5	10	5	5	5	12	5	5	5	4	5	6	5	10	5	14	12	13
54	22MC1A0457	10	5	9	5	5	5	11	5	8	5	6	5	10	5	7	5	11	5	7	5	13	13	13
55	22MC1A0458	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
56	22MC1A0459	0	5	0	5	0	5	4	5	2	5	0	5	4	5	4	5	7	5	0	5	12	13	14
57	22MC1A0460	11	5	11	5	10	5	12	5	13	5	13	5	15	5	15	5	10	5	6	5	14	13	13
58	23MC5A0401	1	5	11	5	9	5	12	5	12	5	12	5	14	5	11	5	9	5	7	5	13	12	14
59	23MC5A0402	14	5	14	5	11	5	13	5	11	5	15	5	15	5	15	5	8	5	7	5	12	13	13
60	23MC5A0403	4	5	11	5	9	5	13	5	13	5	12	5	14	5	13	5	10	5	5	5	13	13	13
61	23MC5A0404	8	5	14	5	7	5	12	5	13	5	12	5	15	5	12	5	9	5	6	5	12	12	13
62	23MC5A0405	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
63	23MC5A0406	0	5	14	5	0	5	14	5	0	5	14	5	0	5	14	5	0	5	14	5	13	13	13

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R K COLLEGE OF ENGINEERING  
 Kelhanakonda (V), Ibrahimpatnam (M),  
 Vijayawada, AP-521 456

**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**II B.Tech (II SEMESTER) ECAINTERNAL MARKS**

SL. NO.	REG.NO.	ECA				DICD				AC				LCS				MOB				ECA Lab	AC Lab	DICD Lab
		Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2			
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5			
64	23MC5A0407	14	5	0	5	5	5	0	5	12	5	0	5	5	5	0	5	6	5	0	5	15	15	15
65	23MC5A0408	12	5	13	5	11	5	13	5	11	5	13	5	10	5	11	5	8	5	13	5	10	10	10
66	23MC5A0409	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	8	5	13	5	13	12	14
67	23MC5A0410	14	5	14	5	11	5	13	5	12	5	13	5	10	5	11	5	9	5	7	5	10	10	10
68	23MC5A0411	14	5	14	5	12	5	13	5	12	5	15	5	11	5	10	5	8	5	7	5	12	13	14
69	23MC5A0412	12	5	12	5	7	5	11	5	14	5	14	5	15	5	12	5	9	5	7	5	13	12	14
70	23MC5A0413	5	5	9	5	7	5	9	5	13	5	12	5	14	5	6	5	9	5	7	5	12	13	14
71	23MC5A0414	14	5	14	5	11	5	14	5	11	5	14	5	14	5	14	5	7	5	14	5	14	12	13
72	23MC5A0415	0	5	14	5	0	5	14	5	0	5	14	5	0	5	14	5	7	5	14	5	13	13	13
73	23MC5A0416	5	5	11	5	3	5	12	5	14	5	11	5	14	5	7	5	9	5	14	5	13	13	13
74	23MC5A0417	4	5	14	5	10	5	12	5	11	5	13	5	12	5	12	5	11	5	12	5	13	12	13
75	23MC5A0418	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	13	13	12
76	23MC5A0419	5	5	12	5	7	5	13	5	13	5	14	5	12	5	12	5	8	5	11	5	10	10	10
77	23MC5A0420	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	12	13	13
78	23MC5A0421	6	5	13	5	11	5	14	5	0	5	14	5	12	5	14	5	0	5	0	5	10	10	10
79	23MC5A0422	14	5	14	5	12	5	14	5	10	5	14	5	14	5	14	5	11	5	7	5	13	13	13
80	23MC5A0423	14	5	14	5	13	5	14	5	12	5	14	5	14	5	14	5	8	5	14	5	13	14	12
81	23MC5A0424	9	5	11	5	8	5	11	5	14	5	13	5	12	5	10	5	7	5	14	5	13	14	14
82	23MC5A0425	14	5	0	5	12	5	0	5	14	5	0	5	14	5	0	5	11	5	7	5	12	12	13
83	23MC5A0426	14	5	14	5	12	5	14	5	11	5	14	5	9	5	14	5	8	5	0	5	10	10	10
84	23MC5A0427	14	5	14	5	13	5	14	5	11	5	14	5	14	5	14	5	7	5	14	5	12	13	14

R K COLLEGE OF ENGINEERING  
 Kulkarnikonda (V), Ibrahimpatna (M),  
 Vijayawada, ANAPARTI-521 456

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 Coordinator-IQAC  
 RKCE

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 PRINCIPAL

**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**II B.Tech (II SEMESTER) ECAINTERNAL MARKS**


SL. NO.	REG.NO.	ECA				DICD				AC				LCS				MOB				ECA Lab	AC Lab	DICD Lab
		Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2			
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5			
85	23MC5A0428	12	5	14	5	12	5	14	5	10	5	14	5	11	5	14	5	8	5	14	5	14	13	13
86	23MC5A0429	0	5	14	5	0	5	14	5	0	5	14	5	0	5	14	5	0	5	14	5	13	13	14
87	23MC5A0430	0	5	0	5	0	5	0	5	0	5	14	5	0	5	0	5	0	5	0	5	10	10	10
88	23MC5A0431	14	5	14	5	11	5	14	5	10	5	14	5	14	5	14	5	7	5	14	5	13	13	12
89	23MC5A0432	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
90	23MC5A0433	14	5	14	5	12	5	13	5	10	5	14	5	14	5	14	5	7	5	14	5	12	13	13
91	23MC5A0434	0	5	14	5	0	5	14	5	0	5	12	5	0	5	14	5	0	5	14	5	14	14	13

Signature of the Faculty



  
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 R K COLLEGE OF ENGINEERING  
 Kethanakonda (V), Ibrahimpatnam (M),  
 Vijayawada, AMARAVATI-521 456

  
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 RKCE

  
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**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**III B.Tech (I SEMESTER) INTERNAL MARKS**

REG.NO.	AIC&A				EW&TL				DC				EM&I				COA				AICA	DC	esp
	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2			
	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5			
21MC1A0401	0	5	12	5	0	5	9	5	0	5	12	5	0	5	14	5	0	5	13	5	14	9	0
21MC1A0402	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0403	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0404	0	5	9	5	0	5	4	5	0	5	9	5	8	5	10	5	0	5	0	5	11	9	0
21MC1A0405	0	5	9	5	7	5	6	5	4	5	12	5	8	5	13	5	10	5	0	5	12	10	0
21MC1A0406	0	5	13	5	13	5	9	5	9	5	12	5	4	5	11	5	12	5	13	5	13	11	0
21MC1A0407	14	5	13	5	15	5	15	5	13	5	12	5	14	5	13	5	13	5	14	5	14	12	0
21MC1A0408	0	5	11	5	0	5	7	5	0	5	8	5	13	5	9	5	0	5	8	5	12	10	0
21MC1A0409	0	5	12	5	0	5	9	5	0	5	13	5	0	5	14	5	0	5	12	5	13	12	0
21MC1A0410	0	5	11	5	0	5	9	5	0	5	10	5	0	5	11	5	0	5	11	5	11	10	0
21MC1A0411	10	5	14	5	0	5	10	5	11	5	12	5	12	5	14	5	12	5	13	5	12	11	0
21MC1A0412	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0413	0	5	12	5	0	5	10	5	0	5	15	5	0	5	10	5	0	5	13	5	12	12	0
21MC1A0414	0	5	10	5	0	5	11	5	0	5	15	5	0	5	13	5	0	5	12	5	13	12	0
21MC1A0415	13	5	0	5	13	5	12	5	10	5	13	5	14	5	13	5	10	5	13	5	13	13	0
21MC1A0416	0	5	10	5	0	5	12	5	0	5	14	5	0	5	12	5	0	5	13	5	11	9	0
21MC1A0417	0	5	11	5	0	5	10	5	9	5	13	5	14	5	13	5	11	5	13	5	12	12	0
21MC1A0418	0	5	10	5	0	5	13	5	0	5	13	5	13	5	12	5	0	5	8	5	12	10	0
21MC1A0419	14	5	12	5	0	5	12	5	11	5	12	5	13	5	14	5	12	5	11	5	14	10	0
21MC1A0420	14	5	11	5	10	5	12	5	9	5	14	5	14	5	14	5	12	5	13	5	13	10	0
21MC1A0421	0	5	10	5	8	5	8	5	4	5	12	5	11	5	10	5	10	5	10	5	12	11	0
21MC1A0422	0	5	12	5	0	5	13	5	11	5	14	5	14	5	13	5	12	5	14	5	12	11	0
21MC1A0423	0	5	11	5	15	5	15	5	13	5	15	5	15	5	14	5	13	5	14	5	14	14	0
21MC1A0424	10	5	12	5	0	5	11	5	8	5	11	5	12	5	12	5	12	5	10	5	11	9	0
21MC1A0425	0	5	0	5	0	5	0	5	0	5	10	5	0	5	13	5	10	5	14	5	11	10	0
21MC1A0426	0	5	11	5	0	5	10	5	5	5	13	5	10	5	13	5	10	5	12	5	12	10	0
21MC1A0427	0	5	11	5	0	5	14	5	9	5	0	5	14	5	0	5	14	5	0	5	13	11	0
21MC1A0428	10	5	0	5	9	5	8	5	12	5	10	5	8	5	11	5	13	5	12	5	13	11	0
21MC1A0429	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0430	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0431	0	5	13	5	12	5	9	5	9	5	13	5	8	5	14	5	13	5	15	5	13	10	0
21MC1A0432	12	5	13	5	12	5	11	5	11	5	13	5	15	5	12	5	14	5	14	5	14	11	0
21MC1A0433	0	5	12	5	9	5	12	5	8	5	13	5	15	5	14	5	12	5	8	5	12	10	0

Incharge

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**Coordinator-IQAC  
RKCE**

*[Signature]* HOD

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**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**III B.Tech (I SEMESTER) INTERNAL MARKS**

REG.NO.	AI&A				EW&TL				DC				EM&I				COA				AICA	DC	csp
	Mid-1	Assn1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2			
	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5			
21MC1A0434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0435	0	5	12	5	0	5	8	5	0	5	11	5	0	5	12	5	0	5	10	5	13	11	0
21MC1A0436	14	5	13	5	15	5	13	5	8	5	8	5	12	5	10	5	0	5	11	5	13	9	0
21MC1A0437	0	5	11	5	10	5	11	5	10	5	12	5	13	5	9	5	13	5	11	5	12	11	0
21MC1A0438	14	5	11	5	15	5	12	5	13	5	13	5	13	5	12	5	13	5	14	5	12	12	0
21MC1A0439	14	5	13	5	13	5	15	5	14	5	15	5	15	5	14	5	15	5	15	5	13	14	0
21MC1A0440	0	5	12	5	0	5	9	5	0	5	13	5	12	5	12	5	12	5	15	5	12	8	0
21MC1A0441	0	5	12	5	8	5	9	5	6	5	7	5	10	5	9	5	0	5	10	5	11	9	0
21MC1A0442	13	5	0	5	0	5	12	5	8	5	0	5	11	5	0	5	10	5	0	5	11	8	0
21MC1A0443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0444	0	5	11	5	0	5	12	5	0	5	7	5	0	5	10	5	0	5	13	5	11	10	0
21MC1A0445	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0446	0	5	10	5	0	5	13	5	0	5	12	5	0	5	13	5	0	5	10	5	12	10	0
21MC1A0447	0	5	12	5	15	5	15	5	12	5	8	5	14	5	10	5	14	5	15	5	12	10	0
21MC1A0448	4	5	9	5	0	5	9	5	8	5	5	5	8	5	12	5	10	5	10	5	12	10	0
21MC1A0449	11	5	12	5	0	5	10	5	0	5	10	5	14	5	11	5	10	5	12	5	13	11	0
21MC1A0450	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	9	0	0
21MC1A0451	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0452	0	5	10	5	0	5	11	5	0	5	13	5	0	5	13	5	0	5	11	5	12	11	0
21MC1A0453	0	5	13	5	0	5	11	5	0	5	10	5	0	5	11	5	0	5	12	5	13	10	0
21MC1A0454	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0455	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0456	10	5	10	5	4	5	15	5	5	5	13	5	14	5	15	5	14	5	10	5	12	10	0
21MC1A0457	0	5	9	5	0	5	12	5	0	5	8	5	0	5	10	5	0	5	12	5	11	11	0
21MC1A0458	10	5	8	5	0	5	8	5	11	5	9	5	13	5	11	5	6	5	11	5	13	12	0
21MC1A0459	14	5	12	5	0	5	12	5	10	5	12	5	14	5	12	5	12	5	12	5	13	0	0
21MC1A0460	13	5	13	5	0	5	15	5	14	5	15	5	14	5	14	5	13	5	14	5	14	14	0
21MC1A0461	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0462	0	5	11	5	0	5	10	5	0	5	13	5	0	5	13	5	0	5	5	5	11	12	0
21MC1A0463	0	5	13	5	0	5	15	5	0	5	13	5	0	5	12	5	0	5	11	5	13	13	0
21MC1A0464	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0465	0	5	11	5	0	5	12	5	0	5	10	5	0	5	12	5	0	5	14	5	11	9	0
21MC1A0466	9	5	8	5	12	5	7	5	8	5	8	5	10	5	13	5	12	5	12	5	12	11	0

Incharge 

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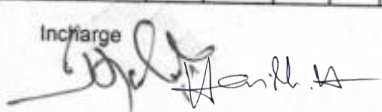
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**Coordinator-IQAC**  
**RKCE**

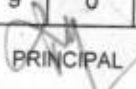
**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**III B.Tech (I SEMESTER) INTERNAL MARKS**

REG.NO.	AIC&A				EW&TL				DC				EM&I				COA				AICA	DC	esp
	Mid-1	Assn1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2			
	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5			
22MC5A0401	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	9	9	0
22MC5A0402	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22MC5A0403	12	5	13	5	12	5	14	5	13	5	13	5	12	5	0	5	12	5	12	5	12	11	0
22MC5A0404	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22MC5A0405	10	5	13	5	10	5	15	5	8	5	14	5	14	5	15	5	11	5	15	5	14	11	0
22MC5A0406	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22MC5A0407	13	5	12	5	11	5	12	5	13	5	15	5	15	5	10	5	13	5	12	5	13	13	0
22MC5A0408	9	5	12	5	13	5	12	5	12	5	12	5	13	5	11	5	11	5	12	5	11	9	0
22MC5A0409	12	5	14	5	12	5	13	5	14	5	14	5	14	5	14	5	13	5	12	5	12	9	0
22MC5A0410	0	5	12	5	0	5	9	5	0	5	13	5	0	5	13	5	0	5	11	5	12	13	0
22MC5A0411	0	5	12	5	0	5	10	5	0	5	12	5	0	5	10	5	0	5	9	5	11	11	0
22MC5A0412	13	5	10	5	11	5	11	5	9	5	11	5	10	5	11	5	12	5	0	5	11	9	0
22MC5A0413	0	5	13	5	14	5	7	5	12	5	13	5	13	5	14	5	13	5	11	5	13	12	0
22MC5A0414	0	5	0	5	0	5	0	5	4	5	0	5	9	5	0	5	7	5	0	5	12	9	0
22MC5A0415	11	5	13	5	8	5	7	5	11	5	12	5	8	5	13	5	12	5	10	5	13	9	0
22MC5A0416	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22MC5A0417	0	5	11	5	0	5	11	5	0	5	12	5	0	5	12	5	0	5	11	5	11	10	0
22MC5A0418	9	5	12	5	11	5	12	5	12	5	13	5	11	5	13	5	10	5	12	5	11	11	0
22MC5A0419	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22MC5A0420	0	5	14	5	0	5	10	5	0	5	13	5	0	5	0	5	0	5	12	5	11	11	0
22MC5A0421	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22MC5A0422	14	5	13	5	12	5	10	5	13	5	9	5	14	5	10	5	12	5	11	5	13	13	0
22MC5A0423	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0
22MC5A0424	13	5	12	5	9	5	12	5	11	5	13	5	14	5	13	5	12	5	13	5	13	12	0
22MC5A0425	14	5	5	5	14	5	15	5	12	5	15	5	15	5	15	5	14	5	12	5	13	12	0
22MC5A0426	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22MC5A0427	0	5	10	5	0	5	12	5	0	5	12	5	0	5	12	5	0	5	12	5	11	11	0
22MC5A0428	10	5	10	5	10	5	10	5	11	5	13	5	13	5	0	5	10	5	12	5	11	10	0
22MC5A0429	0	5	10	5	0	5	11	5	0	5	10	5	0	5	12	5	0	5	11	5	9	0	0
22MC5A0430	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22MC5A0431	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22MC5A0432	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0
22MC5A0433	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0

PRINCIPAL  
R K COLLEGE OF ENGINEERING  
Kalyanakonda (V), Ibrahimpatnam (M),  
Vijayawada, ANDHRA PRADESH - 521 456

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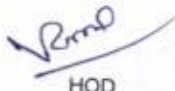
**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**III B.Tech (I SEMESTER) INTERNAL MARKS**


REG.NO.	AIC&A				EW&TL				DC				EM&I				COA				AICA	DC	csp	
	Mid-1	Assn1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2				
	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5				
21MC1A0467	12	5	13	5	12	5	15	5	14	5	15	5	13	5	14	5	10	5	13	5	15	15	15	100
21MC1A0468	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21MC1A0469	13	5	0	5	10	5	7	5	12	5	8	5	8	5	10	5	11	5	10	5	12	11	0	0
21MC1A0470	13	5	13	5	15	5	14	5	13	5	14	5	14	5	14	5	13	5	14	5	14	13	0	0
21MC1A0471	14	5	14	5	15	5	15	5	12	5	14	5	14	5	15	5	14	5	13	5	14	14	0	0
21MC1A0472	8	5	9	5	5	5	8	5	0	5	10	5	8	5	11	5	10	5	12	5	11	10	0	0
21MC1A0473	0	5	0	5	0	5	9	5	0	5	14	5	0	5	9	5	0	5	0	5	11	13	0	0
21MC1A0474	0	5	12	5	0	5	12	5	0	5	8	5	0	5	9	5	0	5	10	5	11	10	0	0

  
Incharge



**Coordinator-IQAC**  
**RKCE**

  
HOD

  
PRINCIPAL  
R K COLLEGE OF ENGINEERING  
Kethanakonda (V), Ibrahimpatnam (M),  
Vijayawada, AMARAVATI-521 456

  
PRINCIPAL

**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**III B.Tech (I SEMESTER) INTERNAL MARKS**

REG.NO.	AIC&A				EW&TL				DC				EM&I				COA				AICA	DC	csp
	Mid-1	Assn1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn 2			
	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5			
22MC5A0434	14	5	14	5	15	5	10	5	14	5	15	5	15	5	15	5	13	5	12	5	14	0	0
22MC5A0435	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22MC5A0436	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22MC5A0437	0	5	14	5	0	5	13	5	0	5	12	5	0	5	13	5	0	5	12	5	11	10	0
22MC5A0438	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22MC5A0439	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22MC5A0440	11	5	11	5	8	5	9	5	10	5	13	5	10	5	14	5	11	5	6	5	13	12	0
22MC5A0441	0	5	10	5	0	5	12	5	0	5	13	5	0	5	12	5	0	5	10	5	11	10	0
22MC5A0442	12	5	12	5	13	5	13	5	13	5	13	5	12	5	0	5	11	5	12	5	11	11	0
22MC5A0443	12	5	12	5	3	5	8	5	6	5	10	5	13	5	11	5	10	5	10	5	13	9	0
22MC5A0444	10	5	11	5	13	5	10	5	8	5	14	5	12	5	13	5	12	5	10	5	12	10	0
22MC5A0445	14	5	13	5	9	5	10	5	13	5	15	5	12	5	15	5	12	5	11	5	13	12	0
22MC5A0446	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22MC5A0447	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22MC5A0448	0	5	11	5	4	5	0	5	10	5	13	5	12	5	12	5	12	5	11	5	13	11	0
22MC5A0449	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	9	0	0
22MC5A0450	9	5	14	5	11	5	12	5	12	5	13	5	11	5	13	5	0	5	12	5	11	11	0
22MC5A0451	11	5	13	5	0	5	9	5	9	5	12	5	14	5	14	5	10	5	12	5	13	11	0
22MC5A0452	14	5	13	5	12	5	9	5	11	5	14	5	15	5	14	5	13	5	12	5	12	10	0
Sign. Of Faculty																							



  
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 Kethanakonda (V), Ibrahimpatnam (M),  
 Vijayawada, AMARAVATI-521 456

  
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 HOD

PRINCIPAL

**Coordinator-IQAC  
RKCE**

**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**III B.Tech (II SEMESTER) INTERNAL MARKS**

SL. NO.	REG.NO.	MP&MC				VLSI DESIGN				DSP				MCC				FEE				MPMC LAB	VLSI LAB	DSP LAB
		Mid-1	Assn1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn 1	Mid-2	Assn2			
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5			
1	21MC1A0401	0	5	8	5	0	5	13	5	0	5	14	5	0	5	14	5	0	5	5	5	12	12	12
2	21MC1A0403	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
3	21MC1A0404	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
4	21MC1A0405	0	5	4	5	0	5	5	5	0	5	14	5	0	5	10	5	0	5	12	5	12	11	11
5	21MC1A0406	8	5	12	5	10	5	8	5	10	5	12	5	12	5	7	5	7	5	7	5	12	11	11
6	21MC1A0407	13	5	9	5	13	5	10	5	11	5	13	5	11	5	14	5	12	5	9	5	12	13	13
7	21MC1A0408	8	5	9	5	5	5	9	5	7	5	0	5	10	5	13	5	6	5	0	5	12	12	12
8	21MC1A0409	0	5	10	5	0	5	12	5	0	5	14	5	0	5	14	5	0	5	9	5	13	12	12
9	21MC1A0410	0	5	7	5	0	5	6	5	0	5	14	5	0	5	10	5	0	5	8	5	13	12	12
10	21MC1A0411	12	5	6	5	10	5	12	5	9	5	14	5	13	5	14	5	8	5	12	5	12	13	13
11	21MC1A0412	1	5	2	5	2	5	12	5	7	5	0	5	1	5	0	5	12	5	0	5	10	11	11
12	21MC1A0413	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
13	21MC1A0414	0	5	8	5	0	5	0	5	0	5	14	5	0	5	10	5	12	5	0	5	12	11	11
14	21MC1A0415	12	5	12	5	12	5	12	5	9	5	14	5	10	5	13	5	9	5	12	5	13	12	12
15	21MC1A0416	0	5	10	5	0	5	0	5	0	5	14	5	0	5	14	5	0	5	10	5	12	11	11
16	21MC1A0417	9	5	13	5	12	5	10	5	11	5	14	5	10	5	14	5	9	5	8	5	12	12	12
17	21MC1A0418	4	5	0	5	5	5	0	5	2	5	0	5	0	5	0	5	5	5	0	5	10	10	10
18	21MC1A0419	13	5	12	5	12	5	10	5	10	5	13	5	12	5	13	5	11	5	5	5	13	14	14
19	21MC1A0420	10	5	9	5	8	5	13	5	8	5	12	5	12	5	14	5	0	5	12	5	13	13	13
20	21MC1A0421	9	5	4	5	6	5	10	5	9	5	14	5	11	5	13	5	6	5	7	5	13	12	12
21	21MC1A0422	8	5	8	5	11	5	12	5	6	5	14	5	0	5	13	5	10	5	13	5	12	12	12
22	21MC1A0423	10	5	13	5	13	5	13	5	10	5	14	5	13	5	13	5	13	5	13	5	13	12	12
23	21MC1A0424	9	5	11	5	10	5	10	5	9	5	13	5	0	5	12	5	6	5	12	5	12	12	12
24	21MC1A0425	0	5	9	5	0	5	0	5	0	5	14	5	0	5	10	5	0	5	12	5	12	11	11
25	21MC1A0426	11	5	5	5	11	5	8	5	9	5	13	5	11	5	14	5	6	5	8	5	12	11	11

Coordinator IQAC  
Incharge  
RKCE

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HOD

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**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**III B.Tech (II SEMESTER) INTERNAL MARKS**

SL. NO.	REG.NO.	MP&MC				VLSI DESIGN				DSP				MCC				FEE				MPMC LAB	VLSI LAB	DSP LAB	
		Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn1	Mid-2	Assn2				
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5				
26	21MC1A0427	0	5	5	5	0	5	12	5	0	5	14	5	0	5	15	5	0	5	9	5	15	15	15	15
27	21MC1A0428	6	5	11	5	10	5	10	5	8	5	13	5	8	5	13	5	10	5	6	5	13	12	12	12
28	21MC1A0431	9	5	12	5	9	5	9	5	10	5	13	5	13	5	13	5	8	5	8	5	13	12	12	12
29	21MC1A0432	13	5	10	5	11	5	12	5	9	5	14	5	12	5	14	5	11	5	10	5	12	12	12	12
30	21MC1A0433	10	5	10	5	10	5	10	5	8	5	14	5	13	5	15	5	9	5	12	5	13	12	12	12
31	21MC1A0435	13	5	12	5	11	5	3	5	11	5	0	5	10	5	10	5	6	5	7	5	14	14	14	14
32	21MC1A0436	0	5	11	5	0	5	6	5	0	5	0	5	0	5	12	5	0	5	5	5	13	13	13	13
33	21MC1A0437	5	5	7	5	8	5	11	5	9	5	13	5	9	5	12	5	8	5	7	5	13	13	13	13
34	21MC1A0438	15	5	10	5	11	5	12	5	14	5	14	5	12	5	15	5	10	5	13	5	14	14	14	14
35	21MC1A0439	15	5	12	5	13	5	12	5	14	5	14	5	15	5	15	5	15	5	10	5	13	12	12	12
36	21MC1A0440	0	5	7	5	0	5	13	5	0	5	14	5	0	5	15	5	0	5	10	5	13	12	12	12
37	21MC1A0441	5	5	3	5	10	5	6	5	4	5	14	5	7	5	10	5	13	5	8	5	13	12	12	12
38	21MC1A0442	8	5	5	5	10	5	8	5	10	5	13	5	8	5	13	5	4	5	15	5	10	10	10	10
39	21MC1A0443	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10	10
40	21MC1A0444	0	5	11	5	10	5	12	5	8	5	0	5	8	5	14	5	3	5	8	5	13	13	13	13
41	21MC1A0446	0	5	5	5	0	5	8	5	0	5	14	5	0	5	14	5	0	5	8	5	12	12	12	12
42	21MC1A0447	9	5	12	5	12	5	12	5	12	5	14	5	9	5	14	5	10	5	7	5	13	12	12	12
43	21MC1A0448	8	5	10	5	10	5	10	5	10	5	13	5	8	5	10	5	7	5	6	5	12	12	12	12
44	21MC1A0449	0	5	12	5	0	5	12	5	0	5	14	5	8	5	10	5	7	5	6	5	12	12	12	12
45	21MC1A0450	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10	10
46	21MC1A0451	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10	10
47	21MC1A0452	0	5	7	5	0	5	8	5	0	5	14	5	0	5	14	5	0	5	0	5	10	10	10	10
48	21MC1A0453	0	5	12	5	0	5	13	5	0	5	14	5	0	5	14	5	0	5	13	5	13	13	13	13
49	21MC1A0454	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	13	5	14	14	14	14
50	21MC1A0456	10	5	10	5	14	5	12	5	11	5	13	5	11	5	10	5	12	5	10	5	12	12	12	12

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**Coordinator-IQAC**  
**RKCE**

*Handwritten Signature*  
**PRINCIPAL**

**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**III B.Tech (II SEMESTER) INTERNAL MARKS**

SL. NO.	REG.NO.	MP&MC				VLSI DESIGN				DSP				MCC				FEE				MPMC LAB	VLSI LAB	DSP LAB
		Mid-1	Assn1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn 1	Mid-2	Assn2			
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5			
51	21MC1A0457	4	5	8	5	4	5	9	5	7	5	13	5	0	5	12	5	0	5	7	5	12	11	11
52	21MC1A0458	2	5	6	5	5	5	8	5	4	5	14	5	0	5	10	5	5	5	0	5	12	12	12
53	21MC1A0459	13	5	8	5	7	5	12	5	10	5	14	5	11	5	13	5	9	5	13	5	14	14	14
54	21MC1A0460	12	5	12	5	12	5	13	5	14	5	14	5	12	5	15	5	15	5	14	5	13	13	13
55	21MC1A0462	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
56	21MC1A0463	9	5	12	5	9	5	13	5	14	5	14	5	10	5	12	5	12	5	15	5	13	13	13
57	21MC1A0464	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
58	21MC1A0465	0	5	5	5	0	5	10	5	0	5	14	5	0	5	12	5	0	5	4	5	13	12	12
59	21MC1A0466	8	5	4	5	6	5	8	5	7	5	14	5	12	5	10	5	8	5	9	5	13	13	13
60	21MC1A0467	12	5	13	5	14	5	12	5	14	5	14	5	14	5	13	5	9	5	13	5	12	12	12
61	21MC1A0469	14	5	7	5	12	5	6	5	12	5	0	5	10	5	13	5	9	5	6	5	14	14	14
62	21MC1A0470	12	5	12	5	14	5	12	5	10	5	14	5	12	5	12	5	12	5	12	5	13	12	12
63	21MC1A0471	14	5	13	5	14	5	13	5	14	5	14	5	11	5	13	5	15	5	14	5	14	14	14
64	21MC1A0472	0	5	8	5	0	5	12	5	0	5	14	5	0	5	12	5	0	5	4	5	12	12	12
65	21MC1A0473	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	12	10	10
66	21MC1A0474	0	5	0	5	5	5	0	5	0	5	0	5	10	5	0	5	9	5	0	5	10	10	10
67	22MC5A0401	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
68	22MC5A0403	12	5	12	5	12	5	12	5	14	5	12	5	10	5	12	5	10	5	9	5	13	12	12
69	22MC5A0404	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
70	22MC5A0405	11	5	12	5	14	5	13	5	12	5	14	5	10	5	15	5	9	5	9	5	14	14	14
71	22MC5A0407	12	5	13	5	10	5	11	5	12	5	14	5	10	5	10	5	10	5	11	5	13	13	13
72	22MC5A0408	13	5	12	5	12	5	12	5	11	5	12	5	0	5	12	5	10	5	9	5	12	12	12
73	22MC5A0409	14	5	12	5	10	5	13	5	13	5	13	5	13	5	14	5	11	5	14	5	14	14	14
74	22MC5A0410	0	5	4	5	0	5	10	5	0	5	14	5	0	5	11	5	0	5	7	5	12	12	12
75	22MC5A0411	10	5	0	5	7	5	8	5	7	5	14	5	12	5	10	5	8	5	0	5	12	12	12

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**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**III B.Tech (II SEMESTER) INTERNAL MARKS**

SL. NO.	REG.NO.	MP&MC				VLSI DESIGN				DSP				MCC				FEE				MPMC LAB	VLSI LAB	DSP LAB					
		Mid-1	Assn1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn 1	Mid-2	Assn2								
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5				15	5			
76	22MC5A0412	0	5	10	5	0	5	11	5	0	5	11	5	0	5	12	5	0	5	12	5	15	5	15	5	15	15	15	15
77	22MC5A0413	9	5	12	5	11	5	12	5	10	5	14	5	11	5	12	5	8	5	10	5	12	5	12	12	12	12	12	12
78	22MC5A0414	0	5	8	5	0	5	11	5	0	5	14	5	0	5	10	5	0	5	6	5	12	13	12	12	12	12	12	12
79	22MC5A0415	10	5	12	5	12	5	10	5	12	5	14	5	6	5	12	5	11	5	8	5	12	13	12	12	12	12	12	12
80	22MC5A0416	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	12	12	12	12	12	12	12	12
81	22MC5A0417	0	5	12	5	0	5	9	5	0	5	14	5	0	5	12	5	0	5	0	5	10	10	10	10	10	10	10	10
82	22MC5A0418	9	5	7	5	6	5	12	5	9	5	13	5	10	5	10	5	10	5	9	5	12	12	12	12	12	12	12	12
83	22MC5A0419	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	12	12	12	12	12	12	12	12
84	22MC5A0420	0	5	12	5	0	5	12	5	0	5	12	5	0	5	12	5	0	5	0	5	10	10	10	10	10	10	10	10
85	22MC5A0422	0	5	11	5	0	5	12	5	0	5	14	5	0	5	12	5	0	5	7	5	12	12	12	12	12	12	12	12
86	22MC5A0423	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	14	5	13	13	13	13	13	13	13	13
87	22MC5A0424	8	5	10	5	10	5	6	5	10	5	13	5	13	5	11	5	8	5	11	5	10	10	10	10	10	10	10	10
88	22MC5A0425	11	5	10	5	12	5	12	5	12	5	14	5	14	5	12	5	15	5	14	5	13	13	13	13	13	13	13	13
89	22MC5A0427	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	13	13	13	13	13	13	13	13
90	22MC5A0428	10	5	11	5	12	5	12	5	10	5	13	5	11	5	11	5	8	5	10	5	10	10	10	10	10	10	10	10
91	22MC5A0429	0	5	0	5	0	5	12	5	0	5	14	5	8	5	10	5	15	5	8	5	13	13	13	13	13	13	13	13
92	22MC5A0430	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	13	13	13	13	13	13	13	13
93	22MC5A0431	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10	10	10	10	10	10
94	22MC5A0434	12	5	11	5	14	5	12	5	12	5	13	5	12	5	8	5	11	5	11	5	10	10	10	10	10	10	10	10
95	22MC5A0436	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	13	13	13	13	13	13	13	13
96	22MC5A0437	0	5	12	5	0	5	12	5	0	5	14	5	0	5	12	5	0	5	0	5	10	10	10	10	10	10	10	10
97	22MC5A0438	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10	10	10	10	10	10
98	22MC5A0439	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10	10	10	10	10	10
99	22MC5A0440	11	5	11	5	13	5	6	5	13	5	14	5	0	5	10	5	5	5	5	5	10	10	10	10	10	10	10	10
100	22MC5A0441	0	0	14	5	0	5	14	5	0	5	14	5	0	5	14	5	0	5	14	5	12	12	12	12	12	12	12	12

*Handwritten Signature*  
**Coordinator-IQAC**  
**RKCE**

*Handwritten Signature*  
**PRINCIPAL**

**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**III B.Tech (II SEMESTER) INTERNAL MARKS**

SL. NO.	REG.NO.	MP&MC				VLSI DESIGN				DSP				MCC				FEE				MPMC LAB	VLSI LAB	DSP LAB
		Mid-1	Assn1	Mid-2	Assn 2	Mid-1	Assn 1	Mid-2	Assn2	Mid-1	Assn 1	Mid-2	Assn 2	Mid-1	Assn1	Mid-2	Assn2	Mid-1	Assn 1	Mid-2	Assn2			
		15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5			
101	22MC5A0442	11	5	12	5	12	5	12	5	14	5	12	5	11	5	12	5	10	5	10	5	12	12	12
102	22MC5A0443	10	5	6	5	13	5	6	5	9	5	13	5	10	5	8	5	13	5	7	5	13	13	13
103	22MC5A0444	12	5	12	5	8	5	8	5	12	5	14	5	10	5	10	5	11	5	7	5	13	13	13
104	22MC5A0445	0	5	12	5	0	5	10	5	0	5	14	5	0	5	10	5	0	5	9	5	13	13	13
105	22MC5A0446	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
106	22MC5A0447	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	10	10	10
107	22MC5A0448	10	5	11	5	9	5	12	5	10	5	13	5	7	5	10	5	10	5	5	5	13	13	13
108	22MC5A0449	0	5	12	5	0	5	12	5	0	5	14	5	0	5	12	5	0	5	12	5	12	12	12
109	22MC5A0450	0	5	12	5	0	5	12	5	0	5	12	5	0	5	11	5	0	5	11	5	12	12	12
110	22MC5A0451	0	5	7	5	0	5	12	5	0	5	14	5	0	5	10	5	0	5	10	5	12	12	12
111	22MC5A0452	13	5	11	5	11	5	12	5	12	5	13	5	12	5	12	5	13	5	11	5	13	13	13
Sign. Of Faculty																								



  
 PRINCIPAL  
 R K COLLEGE OF ENGINEERING  
 Kethanakonda (V), Ibrahimpatnam (M),  
 Vijayawada, AMARAVATI-521 456

  
 Coordinator-IQAC  
 RKCE

137  
  
 HOD

PRINCIPAL



**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**  
**IV B.Tech (I SEMESTER) INTERNAL MARKS**

SL. NO.	REG. NO.	UHV		OC		SC		RE		IOT		DM		UHV												
		Mid-1	Asses-1	Mid-2	Asses-2	Mid-1	Asses-1	Mid-2	Asses-2	Mid-1	Asses-1	Mid-2	Asses-2		Mid-1	Asses-1	Mid-2	Asses-2								
		15	5	15	5	15	5	15	5	15	5	15	5		15	5	15	5								
1	20MC1A0401	0	5	0	5	13	5	13	5	9	5	11	5	13	5	0	5	9	5	9	5	15	5	15	5	30
2	20MC1A0402	0	5	0	5	14	5	13	5	11	5	13	5	14	5	0	5	11	5	13	5	15	5	14	5	29
3	20MC1A0403	0	5	0	5	12	5	13	5	11	5	12	5	12	5	0	5	9	5	12	5	8	5	13	5	30
4	20MC1A0404	0	5	0	5	0	5	8	5	0	5	10	5	10	5	0	5	12	5	0	5	0	5	10	5	20
5	20MC1A0405	0	5	0	5	12	5	12	5	10	5	0	5	10	5	0	5	4	5	0	5	9	5	0	5	21
6	20MC1A0406	0	5	0	5	0	5	11	5	0	5	10	5	8	5	0	5	11	5	0	5	0	5	11	5	20
7	20MC1A0408	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0
8	20MC1A0409	0	5	0	5	13	5	13	5	9	5	9	5	13	5	0	5	9	5	0	5	10	5	10	5	28
9	20MC1A0410	0	5	0	5	0	5	9	5	0	5	10	5	5	5	0	5	0	5	10	5	0	5	10	5	20
10	20MC1A0411	0	5	0	5	15	5	14	5	14	5	14	5	15	5	0	5	15	5	14	5	15	5	10	5	29
11	20MC1A0412	0	5	0	5	0	5	11	5	0	5	10	5	10	5	0	5	0	5	10	5	0	5	10	5	21
12	20MC1A0414	0	5	0	5	0	5	10	5	0	5	10	5	10	5	0	5	0	5	10	5	0	5	10	5	21
13	20MC1A0415	0	5	0	5	13	5	13	5	11	5	9	5	13	5	0	5	13	5	11	5	10	5	9	5	25
14	20MC1A0417	0	5	0	5	13	5	13	5	0	5	11	5	14	5	0	5	9	5	0	5	12	5	9	5	22
15	20MC1A0419	0	5	0	5	13	5	14	5	10	5	9	5	13	5	0	5	9	5	0	5	11	5	10	5	26
16	20MC1A0420	0	5	0	5	0	5	13	5	9	5	5	5	12	5	0	5	10	5	0	5	9	5	10	5	24
17	20MC1A0421	0	5	0	5	13	5	13	5	9	5	13	5	9	5	0	5	10	5	0	5	10	5	11	5	28
18	20MC1A0422	0	5	0	5	0	5	10	5	0	5	10	5	10	5	0	5	0	5	10	5	12	5	0	5	21
19	20MC1A0423	0	5	0	5	10	5	0	5	12	5	0	5	9	5	0	5	14	5	0	5	13	5	0	5	22
20	20MC1A0424	0	5	0	5	14	5	14	5	11	5	14	5	14	5	0	5	11	5	14	5	14	5	10	5	30
21	20MC1A0425	0	5	0	5	0	5	13	5	0	5	10	5	10	5	0	5	0	5	10	5	0	5	9	5	20
22	20MC1A0426	0	5	0	5	0	5	10	5	0	5	10	5	10	5	0	5	0	5	10	5	0	5	9	5	20
23	20MC1A0427	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	11	5	20
24	20MC1A0428	0	5	0	5	0	5	12	5	0	5	10	5	10	5	0	5	0	5	10	5	0	5	9	5	22
25	20MC1A0429	0	5	0	5	8	5	12	5	12	5	10	5	11	5	0	5	8	5	0	5	10	5	9	5	26
26	20MC1A0430	0	5	0	5	0	5	10	5	0	5	10	5	10	5	0	5	0	5	10	5	0	5	10	5	20
27	20MC1A0431	0	5	0	5	0	5	9	5	0	5	10	5	9	5	0	5	0	5	10	5	0	5	10	5	20
28	20MC1A0432	0	5	0	5	1	5	13	5	12	5	12	5	14	5	0	5	0	5	12	5	12	5	11	5	30
29	20MC1A0433	0	5	0	5	13	5	13	5	12	5	15	5	14	5	0	5	11	5	12	5	12	5	12	5	30
30	20MC1A0434	0	5	0	5	11	5	12	5	11	5	10	5	13	5	0	5	14	5	10	5	11	5	10	5	29
31	20MC1A0436	0	5	0	5	8	5	0	5	11	5	8	5	13	5	0	5	10	5	12	5	13	5	10	5	29
32	20MC1A0437	0	5	0	5	13	5	13	5	10	5	12	5	14	5	0	5	9	5	11	5	13	5	11	5	29
33	20MC1A0438	0	5	0	5	0	5	10	5	0	5	10	5	10	5	0	5	0	5	10	5	0	5	10	5	20
34	20MC1A0439	0	5	0	5	12	5	12	5	0	5	11	5	10	5	0	5	14	5	0	5	10	5	9	5	29
35	20MC1A0440	0	5	0	5	1	5	0	5	8	5	0	5	11	5	0	5	0	5	10	5	0	5	10	5	20
36	20MC1A0441	0	5	0	5	12	5	0	5	12	5	10	5	14	5	0	5	11	5	0	5	10	5	11	5	29
37	20MC1A0442	0	5	0	5	14	5	14	5	13	5	14	5	14	5	0	5	10	5	0	5	13	5	15	5	29
38	20MC1A0443	0	5	0	5	0	5	10	5	0	5	10	5	9	5	0	5	0	5	10	5	0	5	10	5	20
39	20MC1A0444	0	5	0	5	0	5	0	5	8	5	0	5	9	5	0	5	5	5	0	5	5	5	0	5	20
40	20MC1A0446	0	5	0	5	6	5	0	5	2	5	0	5	13	5	0	5	5	5	0	5	13	5	0	5	21
41	20MC1A0447	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0
42	20MC1A0448	0	5	0	5	6	5	13	5	12	5	13	5	14	5	0	5	12	5	0	5	13	5	11	5	28
43	20MC1A0449	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0
44	20MC1A0450	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0
45	20MC1A0451	0	5	0	5	12	5	12	5	7	5	8	5	12	5	0	5	12	5	0	5	9	5	10	5	25
46	20MC1A0452	0	5	0	5	0	5	5	5	0	5	10	5	5	5	0	5	0	5	10	5	0	5	10	5	22
47	20MC1A0453	0	5	0	5	12	5	12	5	6	5	10	5	11	5	0	5	9	5	12	5	10	5	12	5	22
48	20MC1A0454	0	5	0	5	0	5	10	5	0	5	10	5	10	5	0	5	0	5	10	5	0	5	10	5	21
49	20MC1A0455	0	5	0	5	0	5	12	5	0	5	0	5	9	5	0	5	0	5	10	5	0	5	14	5	22
50	20MC1A0456	0	5	0	5	13	5	13	5	13	5	13	5	13	5	0	5	3	5	12	5	12	5	13	5	28
51	20MC1A0457	0	5	0	5	0	5	10	5	0	5	10	5	11	5	0	5	0	5	10	5	0	5	10	5	20

*SM*  
**PRINCIPAL**  
 R K COLLEGE OF ENGINEERING  
 Kethanakonda (V), Ibrahimpatnam (M),  
 Vijayawada, AMARAVATI-521 456

*Handwritten signature*  
**Coordinator-IQAC**  
**RKCE**

*Handwritten signature*  
**HOD**

**PRINCIPAL**



# R K COLLEGE OF ENGINEERING

(Accredited by NAAC with 'A' Grade)

Date: 11/3/24

Dear Parent, Namaskaramulu!

Your son/daughter/ward is studying II-II B.Tech in ECE Branch with Reg. No 22MC1A0443 in our college. Following are the details of academic performance and attendance up to

% of Attendance : 72%

Fee Dues: \_\_\_\_\_

Internal Marks :

30	30	30	30	30	1	Total	%
21	22	18	24	19		104	69%

### Analysis of Academic Performance

Year & Sem	No. of Sub Passed	Sub in which failed	Remarks
I-I SEM			
I-II SEM			
II-I SEM		03	
II-II SEM			
III-I SEM			
III-II SEM			
IV-I SEM			

#### As per the university norms:

- The student has to maintain a minimum of 75% of attendance to get promoted to subsequent semesters/years of study.
- A minimum of 40% of the credits either up to III-I or III-II from all the examinations are required to be promoted from third year to final year.

You are required to meet the undersigned in case of your son/daughter/ward does not satisfy the above requirements immediately.

K. S. Rao  
Head of the Department

[Signature]  
Principal

PRINCIPAL  
R K COLLEGE OF ENGINEERING  
Kethanakonda (V), Ibrahimpatnam (M),  
Vijayawada, AMARAVATI-521 456

Ventatesh Rao  
Signature of the Parent

[Signature]  
Signature of the Student

Parent's contact number: \_\_\_\_\_

Coordinator-IQAC  
RKCE



# R K COLLEGE OF ENGINEERING

(Accredited by NAAC with 'A' Grade)

Date: 22/12/24

Dear Parent, Namaskaramulu!

Your son/daughter/ward is studying II-IV B.Tech in RCE Branch with Reg. No 21MC1A0469 in our college. Following are the details of academic performance and attendance up to

% of Attendance : 85

Fee Dues: 7000

Internal Marks :

30	30	30	30	30		Total	%
19	20	13	16	15		83	

### Analysis of Academic Performance

Year & Sem	No. of Sub Passed	Sub in which failed	Remarks
I-I SEM			
I-II SEM			
II-I SEM			
II-II SEM	7	-	
III-I SEM	7	-	
III-II SEM			
IV-I SEM			

#### As per the university norms:

- The student has to maintain a minimum of 75% of attendance to get promoted to subsequent semesters/years of study.
- A minimum of 40% of the credits either up to III-I or III-II from all the examinations are required to be promoted from third year to final year.

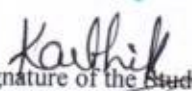
You are required to meet the undersigned in case of your son/daughter/ward does not satisfy the above requirements immediately.

  
Head of the Department

  
Principal

  
PRINCIPAL  
R.K. COLLEGE OF ENGINEERING  
Kethanakonda (V), Ibrahimpatnam (M),  
Vijayawada, AMARAVATI-521 456

  
Signature of the Parent

  
Signature of the Student

Parent's contact number: 9951558140

Coordinator-IQAC  
RKCE



# R K COLLEGE OF ENGINEERING

(Accredited by NAAC with 'A' Grade)

Date: 6/12/24

Dear Parent, Namaskaramulu!

Your son/daughter/ward is studying III-II B.Tech in EEE Branch with Reg. No 21MC1A0439 in our college. Following are the details of academic performance and attendance up to

% of Attendance : 80

Fee Dues: 6,200

Internal Marks :

30	30	30	30	30		Total	%
24	24	24	23	24		119	

### Analysis of Academic Performance

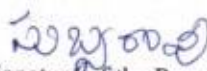
Year & Sem	No. of Sub Passed	Sub in which failed	Remarks
I-I SEM			
I-II SEM			
II-I SEM			
II-II SEM			
III-I SEM	7	—	
III-II SEM			
IV-I SEM			

#### As per the university norms:

- > The student has to maintain a minimum of 75% of attendance to get promoted to subsequent semesters/years of study.
- > A minimum of 40% of the credits either up to III-I or III-II from all the examinations are required to be promoted from third year to final year.

You are required to meet the undersigned in case of your son/daughter/ward does not satisfy the above requirements immediately.

  
Head of the Department

  
Signature of the Parent

  
Principal

PRINCIPAL  
R.K. COLLEGE OF ENGINEERING  
Kethanakonda (V), Ibrahimpatnam (M),  
Vijayawada, AMARAVATI-521 456

  
Signature of the Student

Parent's contact number: 9010461101

Coordinator-IQAC  
RKCE

# RK COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)

(An Iso 9001:2015 Certified Institution)

Kethanakonda (V), Ibrahimpatnam (M), Amaravathi - 521 456.




## Certificate

This is to Certified that the Practical work done by  
Mr / Ms. ....R:Akshitha.....  
a student of .....B:Tech..... with Regd. No. 22MC1A0417.  
in the .....Electronic.....Circuit.....Analysis..... Laboratory  
during the year ...2023-24.

No. of Experiments Conducted

10

  
Signature  
Faculty In-Charge

  
Signature  
Head of the Department

Submitted for practical examination held on .....April / May - 24.....

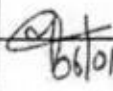

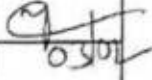
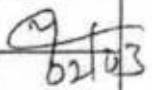
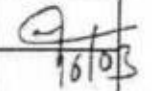

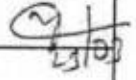
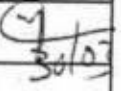
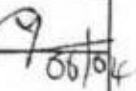
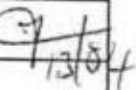
  
Examiner - 1

  
Examiner - 2

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RK COLLEGE OF ENGINEERING  
Kethanakonda (V), Ibrahimpatnam (M),  
Vijayawada, AMARAVATHI-521 456



# INDEX

S.No.	Date	Name of the Experiment	P.No.	Grade/Marks	Signature
1.	30/11/23	Determination of $f_T$ of given Transistor	0-3	05	 6/6/01
2.	6/1/24	Voltage-Series Feedback Amplifier	4-6	05	 2/7/01
3.	27/1/24	Current-Shunt Feedback Amplifier	7-10	05	 6/5/02
4.	31/2/24	RC Phase Shift Oscillator	11-15	05	 6/2/03
5.	2/3/24	Colpitt's Oscillator	16-18	05	 1/6/03
6.	2/3/24	Hartley Oscillator	19-21	05	 1/6/03
7.	16/3/24	Two Stage RC Coupled Amplifier	22-25	04	 2/3/03
8.	23/3/24	Darlington Pair Amplifier	26-28	05	 3/6/03
9.	30/3/24	Bootstrapped Emitter Follower	29-31	05	 6/6/04
10.	6/4/24	Tuned voltage Amplifier	32-34	05	 1/3/04

  
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 RK COLLEGE OF ENGINEERING  
 Kethanakonda (V), Ibrahimpatnam (M),  
 Vijayawada, AMARAVATI-521 456





## Academic Record

Academic Year : 2023-2024 Course : B.Tech

Branch : ECE-A Sub : ECA Lab

Year / Semester : II / II

Name of the Faculty : \_\_\_\_\_

**R K COLLEGE OF ENGINEERING**

Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada.

(An Iso 9001 : 2015 Certified Institution)

Kethanukonda (V), Ibrahimpatnam (M), VIJAYAWADA, AMARAVATI - 521 456. A.P.

# R K COLLEGE OF ENGINEERING

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Kethanakonda (V), Ibrahimpatnam (M), VIJAYAWADA, AMARAVATI - 521 456. A.P.

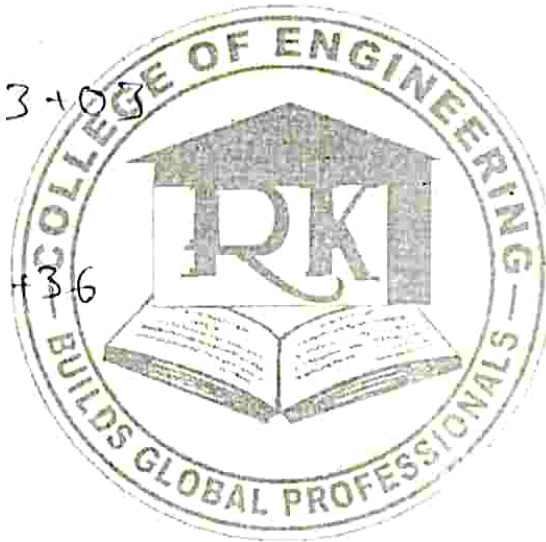
Name of the Subject / Laboratory <sup>✓</sup> : ECA Lab

Name of the Faculty Member : Y. V. N. M. Sarma

No of Periods / Week : 03 + 03

Total No. of Periods Taken : 36 + 36

No of Extra Classes Taken (If any) :





  
Faculty Signature

  
Signature of the HOD

  
Signature of the Principal

  
PRINCIPAL  
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Vijayawada, AMARAVATI-521 456

  
Coordinator IQAC  
RKCE

  
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Vijayawada, AMARAVATI-521 456





R K COLLEGE OF ENGINEERING  
DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING

II B.Tech II SEMESTER ECA LAB INTERNAL MARKS

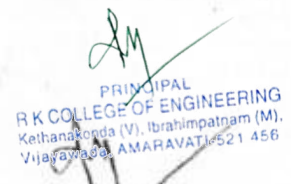
SL. NO.	REG.NO.	Marks
1	22MC1A0402	13
2	22MC1A0403	12
3	22MC1A0404	12
4	22MC1A0405	14
5	22MC1A0406	12
6	22MC1A0407	12
7	22MC1A0408	13
8	22MC1A0409	12
9	22MC1A0410	10
10	22MC1A0411	13
11	22MC1A0412	10
12	22MC1A0413	13
13	22MC1A0414	13
14	22MC1A0416	14
15	22MC1A0417	13
16	22MC1A0418	13
17	22MC1A0419	14
18	22MC1A0420	12
19	22MC1A0421	10
20	22MC1A0422	10
21	22MC1A0423	10
22	22MC1A0424	14
23	22MC1A0425	12
24	22MC1A0426	13
25	22MC1A0427	13
26	22MC1A0428	12
27	22MC1A0429	13
28	22MC1A0430	13
29	22MC1A0431	12
30	22MC1A0432	10
31	22MC1A0433	14

SL. NO.	REG.NO.	Marks
32	22MC1A0434	10
33	22MC1A0435	13
34	22MC1A0436	14
35	22MC1A0437	12
36	22MC1A0438	13
37	22MC1A0440	12
38	22MC1A0441	14
39	22MC1A0442	14
40	22MC1A0443	13
41	22MC1A0444	13
42	22MC1A0445	12
43	22MC1A0446	13
44	22MC1A0447	10
45	22MC1A0448	12
46	22MC1A0449	14
47	22MC1A0450	13
48	22MC1A0451	13
49	22MC1A0452	14
50	22MC1A0453	12
51	22MC1A0454	13
52	22MC1A0455	10
53	22MC1A0456	14
54	22MC1A0457	13
55	22MC1A0458	10
56	22MC1A0459	12
57	22MC1A0460	14
58	23MC5A0401	13
59	23MC5A0402	12
60	23MC5A0403	13
61	23MC5A0404	12
62	23MC5A0405	10

SL. NO.	REG.NO.	Marks
63	23MC5A0406	13
64	23MC5A0407	10
65	23MC5A0408	13
66	23MC5A0409	10
67	23MC5A0410	12
68	23MC5A0411	13
69	23MC5A0412	12
70	23MC5A0413	14
71	23MC5A0414	13
72	23MC5A0415	13
73	23MC5A0416	13
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75	23MC5A0418	10
76	23MC5A0419	12
77	23MC5A0420	10
78	23MC5A0421	13
79	23MC5A0422	13
80	23MC5A0423	12
81	23MC5A0424	12
82	23MC5A0425	10
83	23MC5A0426	13
84	23MC5A0427	12
85	23MC5A0428	14
86	23MC5A0429	13
87	23MC5A0430	10
88	23MC5A0431	13
89	23MC5A0432	10
90	23MC5A0433	12
91	23MC5A0434	14

  
Incharge

  
HOD

  
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R K COLLEGE OF ENGINEERING  
Kethanagonda (V), Ibrahimpatnam (M),  
Vijayawada, AMARAVATI-521 456

  
Coordinator-IQAC  
RKCE







**R K COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**

IV - ECE SEMINAR Internal Marks Report


S.No	Hall Ticket No.	Name of the Candidate	Seminar(50)
1	20MC1A0401	ALLAM SURENDRA	48
2	20MC1A0402	ANDRA TEJASREE	49
3	20MC1A0403	ARLAGADDA SAI KUMAR	48
4	20MC1A0404	ATHYALA VINAYKUMAR	47
5	20MC1A0405	BAKKIREDDY DILEEP REDDY	42
6	20MC1A0406	BANGI PARAMESWARUDU	40
7	20MC1A0409	C YAMINI	46
8	20MC1A0410	CHALAMKOTI VENUMADHAV	45
9	20MC1A0411	CHAVALA PAVAN KUMAR	48
10	20MC1A0412	CHINNOJU HARITHA	44
11	20MC1A0414	CHOUTAPALLI KASTURI	46
12	20MC1A0415	DABBUGOTTU VENKATA PAVAN KALYAN	48
13	20MC1A0417	DEVARINTI RAJESH	47
14	20MC1A0419	ERAGADINDLA SRENU	47
15	20MC1A0420	GADI CHAKRADHAR	48
16	20MC1A0421	GANACHARI VEDAMATAM CHANDRASEKHAR	47
17	20MC1A0422	GANNEBOINA BRAHMAIAH	46
18	20MC1A0423	GARLAPATI LAKSHMI GAYATHRI	48
19	20MC1A0424	GATLA VENKATA BALA KRISHNA REDDY	47
20	20MC1A0425	GOLLA LAKSHMI KANTH	40
21	20MC1A0426	GOLLA VIVEKANANDA	40
22	20MC1A0428	GOTTA JAGADEESH	46
23	20MC1A0429	GUNDIMEDA SUNNY	48
24	20MC1A0430	GUNTI MANOJ KUMAR	45
25	20MC1A0431	ILLA HEPSIRANI	47
26	20MC1A0432	JANDHYAM MOHAN GANGA	49
27	20MC1A0433	JAVVAJI HEMANTH	46
28	20MC1A0434	JERRI HARI KRISHNA	47
29	20MC1A0436	JYOTHINAGARAM RAMU	47
30	20MC1A0437	KADIYALA ANUSHA	48
31	20MC1A0438	KASAPURAM RUPESH KUMAR	40
32	20MC1A0439	KATIKA VAMSIKRISHNA	49
33	20MC1A0440	KOLLI VIJAY BABU	44
34	20MC1A0441	KOMARABATHINA RAVI BABU	48
35	20MC1A0442	KOMMURU NANDINI	49
36	20MC1A0443	KONDRAGUNTA LOKANADH LITHISH CHOWDARY	41
37	20MC1A0444	KOTRA ARAVIND	44
38	20MC1A0446	MALLELA MANASA	45
39	20MC1A0448	MEDABALIMI HARIKA	48
40	20MC1A0451	MULA SURYA CHAITHANYA REDDY	47
41	20MC1A0452	NAANUBALA NAGARJUNA	44
42	20MC1A0453	NALLA GOPICHAND	47
43	20MC1A0454	NANDYALA RAJ KUMAR	39
44	20MC1A0455	PANDALANENI BHARGAVI	42
45	20MC1A0456	PANDILLA SAI KUMAR	48
46	20MC1A0457	PENUGONDA SIVAMANI	41
47	20MC1A0459	PERAM RAMANA REDDY	37
48	20MC1A0460	POOSALA DEEPA	44
49	20MC1A0461	PUPPALA VENKATASWAMY	43
50	20MC1A0462	RAJAPALAM KARAN	40
51	20MC1A0464	S J MAHESH	41
52	20MC1A0465	SANKE NAGA RAJU	45


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**Coordinator-IQAC**  
**RKCE**


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53	20MC1A0466	SANNAPANENI SRAVANI	48
54	20MC1A0467	SHAIK ALEEM BASHA	44
55	20MC1A0468	SHAIK HAKEEM PASHA	40
56	20MC1A0469	SHAIK KHARIM NAGUL MEERA	48
57	20MC1A0470	SHAIK NASIMA	49
58	20MC1A0471	SHAIK NEKARIKANTI MABU SUBHANI	47
59	20MC1A0472	SINGAVARAPU HEMANTH REDDY	46
60	20MC1A0473	SUPRIYA B	47
61	20MC1A0475	TEJAVATHU KAVITHA	47
62	20MC1A0476	TELUGU NARAYANA	48
63	20MC1A0477	VEERAGANDHAM ASWIN KUMAR	46
64	20MC1A0479	VEERNI GIRI VENKATA RATNAM	48
65	20MC1A0480	VELICHARLA NAVEEN KUMAR REDDY	45
66	20MC1A0481	VEMURI SUJINI	43
67	20MC1A0482	YALAVARTHI ASHOK	41
68	20MC1A0483	YARRABOTHU KEERTHI	49
69	20MC1A0484	YATHIRAJULA REVATHI	46
70	21MC5A0401	AVULA RAJSEKHAR	49
71	21MC5A0402	BALINA CHANDRA MOUNIKA	48
72	21MC5A0403	BYRAPUNENI BARGAV SAI GOPAL	46
73	21MC5A0404	CHAPPARAPU OMKAR	41
74	21MC5A0405	CHENNAGIRI RUPAK VENKATA SAI	43
75	21MC5A0406	DANDIBOINA VENKATA NARENDRA	40
76	21MC5A0408	GOWRI HARSHA NAGA TEJA	42
77	21MC5A0409	TELLAMEKALA VAMSI	42
78	21MC5A0411	KOPPULA SWAPNA	49
79	21MC5A0412	KOTA MEGHANA	49
80	21MC5A0413	MADDIKA HARI PRASAD REDDY	48
81	21MC5A0414	MATTA GOPI HARI KALYAN	44
82	21MC5A0416	NALAJALA RAVI KIRAN	42
83	21MC5A0419	PAVULURI DHROUVANTH	43
84	21MC5A0421	SIRISETTY VENKATESWARLU	47
85	21MC5A0422	SURAGANI VENKATA SAI TEJA	48
86	21MC5A0425	YARLAGADDA NAGA BABU	41
87	21MC5A0426	MEDISETTI JAGADEESH BABU	42
88	21MC5A0427	SK HUSSAIN	45
89	21MC5A0428	GORIPARTHI VENU	42

  
co-ordinator

  
HoD.

  
Principal.

  
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**DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING**

IV - ECE SEMINAR Internal Marks Report

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5	20MC1A0405	BAKKIREDDY DILEEP REDDY	42
6	20MC1A0406	BANGI PARAMESWARUDU	40
7	20MC1A0409	C YAMINI	46
8	20MC1A0410	CHALAMKOTI VENUMADHAV	45
9	20MC1A0411	CHAVALA PAVAN KUMAR	48
10	20MC1A0412	CHINNOJU HARITHA	44
11	20MC1A0414	CHOUTAPALLI KASTURI	46
12	20MC1A0415	DABBUGOTTU VENKATA PAVAN KALYAN	48
13	20MC1A0417	DEVARINTI RAJESH	47
14	20MC1A0419	ERAGADINDLA SREENU	47
15	20MC1A0420	GADI CHAKRADHAR	48
16	20MC1A0421	GANACHARI VEDAMATAM CHANDRASEKHAR	47
17	20MC1A0422	GANNEBOINA BRAHMAIAH	46
18	20MC1A0423	GARLAPATI LAKSHMI GAYATHRI	48
19	20MC1A0424	GATLA VENKATA BALA KRISHNA REDDY	47
20	20MC1A0425	GOLLA LAKSHMI KANTH	40
21	20MC1A0426	GOLLA VIVEKANANDA	40
22	20MC1A0428	GOTTA JAGADEESH	46
23	20MC1A0429	GUNDIMEDA SUNNY	48
24	20MC1A0430	GUNTI MANOJ KUMAR	45
25	20MC1A0431	ILLA HEPSIRANI	47
26	20MC1A0432	JANDHYAM MOHAN GANGA	49
27	20MC1A0433	JAVVAJI HEMANTH	46
28	20MC1A0434	JERRI HARI KRISHNA	47
29	20MC1A0436	JYOTHINAGARAM RAMU	47
30	20MC1A0437	KADIYALA ANUSHA	48
31	20MC1A0438	KASAPURAM RUPESH KUMAR	40
32	20MC1A0439	KATIKA VAMSIKRISHNA	49
33	20MC1A0440	KOLLI VIJAY BABU	44
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42	20MC1A0453	NALLA GOPICHAND	47
43	20MC1A0454	NANDYALA RAJ KUMAR	39
44	20MC1A0455	PANDALANENI BHARGAVI	44
45	20MC1A0456	PANDILLA SAI KUMAR	44
46	20MC1A0457	PENUGONDA SIVAMANI	44
47	20MC1A0459	PERAM RAMANA REDDY	37
48	20MC1A0460	POOSALA DEEPA	44
49	20MC1A0461	PUPPALA VENKATASWAMY	43
50	20MC1A0462	RAJAPALAM KARAN	40
51	20MC1A0464	S J MAHESH	41
52	20MC1A0465	SANKE NAGA RAJU	45


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**Coordinator-IQAC**  
**RKCE**

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55	20MC1A0468	SHAIK HAKEEM PASHA	40
56	20MC1A0469	SHAIK KHARIM NAGUL MEERA	48
57	20MC1A0470	SHAIK NASIMA	49
58	20MC1A0471	SHAIK NEKARIKANTI MABU SUBHANI	47
59	20MC1A0472	SINGAVARAPU HEMANTH REDDY	46
60	20MC1A0473	SUPRIYA B	47
61	20MC1A0475	TEJAVATHU KAVITHA	47
62	20MC1A0476	TELUGU NARAYANA	48
63	20MC1A0477	VEERAGANDHAM ASWIN KUMAR	46
64	20MC1A0479	VEERNI GIRI VENKATA RATNAM	48
65	20MC1A0480	VELICHARLA NAVEEN KUMAR REDDY	45
66	20MC1A0481	VEMURI SUJINI	43
67	20MC1A0482	YALAVARTHI ASHOK	41
68	20MC1A0483	YARRABOTHU KEERTHI	49
69	20MC1A0484	YATHIRAJULA REVATHI	46
70	21MC5A0401	AVULA RAJSEKHAR	49
71	21MC5A0402	BALINA CHANDRA MOUNIKA	48
72	21MC5A0403	BYRAPUNENI BARGAV SAI GOPAL	46
73	21MC5A0404	CHAPPARAPU OMKAR	41
74	21MC5A0405	CHENNAGIRI RUPAK VENKATA SAI	43
75	21MC5A0406	DANDIBOINA VENKATA NARENDRA	40
76	21MC5A0408	GOWRI HARSHA NAGA TEJA	42
77	21MC5A0409	TELLAMEKALA VAMSI	42
78	21MC5A0411	KOPPULA SWAPNA	49
79	21MC5A0412	KOTA MEGHANA	49
80	21MC5A0413	MADDIKA HARI PRASAD REDDY	48
81	21MC5A0414	MATTA GOPI HARI KALYAN	44
82	21MC5A0416	NALAJALA RAVI KIRAN	42
83	21MC5A0419	PAVULURI DHROUVANTH	43
84	21MC5A0421	SIRISETTY VENKATESWARLU	47
85	21MC5A0422	SURAGANI VENKATA SAI TEJA	48
86	21MC5A0425	YARLAGADDA NAGA BABU	41
87	21MC5A0426	MEDISETTI JAGADEESH BABU	42
88	21MC5A0427	SK HUSSAIN	45
89	21MC5A0428	GORIPARTHI VENU	42

  
Co-ordinator

  
HOD.

  
Principal.

  
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Coordinator-IQAC  
RKCE



# R K COLLEGE OF ENGINEERING

(Accredited by NAAC with 'A' Grade)



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

## MAIN PROJECT REVIEW EVALUTION - 1

A.Y: 2023-2024 Year: IV Sem:II

Branch: ECE

Section:A & B

Sl.No	Hall Ticket No.	Name of the Student	Project Title	Dress code (10M)	Preparation (20M)	Presentation (20M)	Viva (10M)	Total (60M)
1	20MC1A0401	ALLAM SURENDRA	64-Bit Parallel Prefix Adder	10	18	19	10	57
2	20MC1A0402	ANDRA TEJASREE	Intelligence train engine to avoid accidents and controlling railway gate automatically	10	19	19	10	58
3	20MC1A0403	ARLAGADDA SAI KUMAR	Underwater Image Enhancement Via Minimal Color Loss and Locally Adaptive Contrast Enhancement	10	18	20	10	58
4	20MC1A0404	ATHYALA VINAYKUMAR	64-Bit Parallel Prefix Adder	8	15	16	8	47
5	20MC1A0405	B DILEEP REDDY	Skin Cancer Detection	13	16	17	8	49
6	20MC1A0406	BANGI PARAMESWARUDU	IoT based Smart Electric Vehicle monitoring System	13	19	19	10	58
7	20MC1A0409	C YAMINI	Area and power efficient for multiple adjacent bit errors in srams	9	15	16	8	48
8	20MC1A0410	CH VENUMADHAV	using Blynk application	10	19	19	9	57
9	20MC1A0411	CHAVALA PAVAN KUMAR	64-Bit Parallel Prefix Adder	10	19	20	9	58

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Koppalwada, AMARAVATI-521 456

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Sl.No	Hall Ticket No.	Name of the Student	Project Title	Dress code (10M)	Preparation (20M)	Presentation (20M)	Viva (10M)	Total (60M)
10	20MC1A0412	CHINNOJU HARITHA	Intelligence train engine to avoid accidents and controlling railway gate automatically	10	19	20	9	58
11	20MC1A0414	CHOUTAPALLI KASTURI	IoT based Smart Electric Vehicle monitoring System	10	19	19	9	57
12	20MC1A0415	D V PAVAN KALYAN	registration number plate recognition and detection using image processing	10	19	20	9	58
13	20MC1A0417	DEVARINTI RAJESH	IoT based Weather monitoring system using Blynk application	10	20	20	9	59
14	20MC1A0419	ERAGADINDLA SREENU	accidents and controlling railway gate automatically	9	19	19	9	56
15	20MC1A0420	GADI CHAKRADHAR	Drowsiness Detection system using Eye Aspect ratio technique	10	19	19	9	57
16	20MC1A0421	G V CHANDRASEKHAR	compression techniques based on	10	19	20	9	58
17	20MC1A0422	G BRAHMAIAH	Skin Cancer Detection	9	19	19	9	56
18	20MC1A0423	G LAKSHMI GAYATHRI	IoT based Smart Electric Vehicle monitoring System	10	18	18	9	55
19	20MC1A0424	G V BALA KRISHNA REDDY	Minimal Color Loss and Locally	9	18	18	8	53
20	20MC1A0425	GOLLA LAKSHMI KANTH	Brain tumor from MRI Images	10	18	18	9	55
21	20MC1A0426	GOLLA VIVEKANANDA	Intelligence train engine to avoid accidents and controlling railway gate automatically	9	19	19	9	56
22	20MC1A0428	GOTTA JAGADEESH	IoT based Weather monitoring system using Blynk application	10	19	19	9	57
23	20MC1A0429	GUNDIMEDA SUNNY	monitoring System	10	19	20	9	58
24	20MC1A0430	GUNTI MANOJ KUMAR	64-Bit Parallel Prefix Adder	10	18	18	8	52
25	20MC1A0431	ILLA HEPSIRANI	using Blynk application	10	20	20	9	59
26	20MC1A0432	J MOHAN GANGA	Obstacle avoidance robot	9	19	19	9	56
27	20MC1A0433	JAVVAJI HEMANTH	IoT based patient health monitoring	10	19	19	9	57
28	20MC1A0434	JERRI HARI KRISHNA	Obstacle avoidance robot	10	18	18	9	55
29	20MC1A0436	JYOTHINAGARAM RAMU	IoT based Weather monitoring system using Blynk application	10	19	20	9	58

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Sl.No	Hall Ticket No.	Name of the Student	Project Title	Dress code (10M)	Preparation (20M)	Presentation (20M)	Viva (10M)	Total (60M)
30	20MC1A0437	KADIYALA ANUSHA	Minimal Color Loss and Locally Adaptive Contrast Enhancement	8	18	18	8	52
31	20MC1A0438	K RUPESH KUMAR	Non- Local dehazing network for dense noise removal techniques	10	19	20	9	58
32	20MC1A0439	KATIKI VAMSIKRISHNA	Drowsiness Detection system using Eye Aspect ratio technique	8	17	18	8	51
33	20MC1A0440	KOLLI VIJAY BABU	Color Balance and Fusion	10	19	20	9	58
34	20MC1A0441	K RAVI BABU	Obstacle avoidance robot	10	20	20	9	59
35	20MC1A0442	KOMMURU NANDINI	A Study on Medical image compression techniques based on Huffman coding and Discrete wavelet Transform	8	18	18	8	52
36	20MC1A0443	K L LITHISH CHOWDARY	Non- Local dehazing network for dense noise removal techniques	9	19	19	9	56
37	20MC1A0444	KOTRA ARAVIND	Underwater Image Enhancement Via Minimal Color Loss and Locally Adaptive Contrast Enhancement	10	18	18	9	55
38	20MC1A0446	MALLELA MANASA	Obstacle avoidance robot	10	19	20	9	58
39	20MC1A0448	MEDABALIMI HARIKA	Non- Local dehazing network for dense noise removal techniques	10	19	19	9	57
40	20MC1A0451	M S CHAITHANYA REDDY	Drowsiness Detection system using Eye Aspect ratio technique	9	19	19	9	56
41	20MC1A0452	NAANUBALA NAGARJUNA	Skin Cancer Detection	10	18	18	9	55
42	20MC1A0453	NALLA GOPICHAND	lot based patient health monitoring system	10	18	17	9	54
43	20MC1A0454	NANDYALA RAJ KUMAR	A novel method for indian vehicle registration number plate recognition and detection using image processing technique	9	19	20	9	58
44	20MC1A0455	PANDALANENI BHARGAVI	Skin Cancer Detection	9	19	19	9	56
45	20MC1A0456	PANDILLA SAI KUMAR	A novel method for indian vehicle registration number plate recognition and detection using image processing technique	10	18	17	9	54

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Sl.No	Hall Ticket No.	Name of the Student	Project Title	Dress code (10M)	Preparation (20M)	Presentation (20M)	Viva (10M)	Total (60M)
46	20MC1A0457	PENUGONDA SIVAMANI	Drowsiness Detection system using Eye Aspect ratio technique	10	19	19	9	57
47	20MC1A0459	PERAM RAMANA REDDY	Skin Cancer Detection	9	19	19	9	56
48	20MC1A0460	POOSALA DEEPA	Skin Cancer Detection	10	17	19	9	55
49	20MC1A0461	P VENKATASWAMY	lot based patient health monitoring system	9	18	18	8	53
50	20MC1A0462	RAJAPALAM KARAN	A novel method for indian vehicle registration number plate recognition and detection using image processing technique	10	17	19	9	55
51	20MC1A0464	S J MAHESH	Drowsiness Detection system using Eye Aspect ratio technique	9	19	19	9	56
52	20MC1A0465	SANKE NAGA RAJU	A novel method for indian vehicle registration number plate recognition and detection using image processing technique	10	19	19	9	57
53	20MC1A0466	SANNAPANENI SRAVANI	lot based patient health monitoring system	10	19	20	9	58
54	20MC1A0467	SHAIK ALEEM BASHA	Skin Cancer Detection	10	19	20	9	58
55	20MC1A0468	SHAIK HAKEEM PASHA	Obstacle avoidance robot	10	19	19	9	57
56	20MC1A0469	SK KHARIM NAGUL MEERA	A Study on Medical image compression techniques based on Huffman coding and Discrete wavelet Transform	8	18	18	8	52
57	20MC1A0470	SHAIK NASIMA	IoT based Smart Electric Vehicle monitoring System	10	17	19	9	55
58	20MC1A0471	SK N MABU SUBHANI	Non- Local dehazing network for dense noise removal technique	10	19	19	9	56
59	20MC1A0472	S HEMANTH REDDY	Intelligence train engine to avoid accidents and controlling railway gate automatically	10	19	19	9	57
60	20MC1A0473	SUPRIYA B	Area and power efficient for multiple adjacent bit errors in srams	10	18	17	9	54
61	20MC1A0475	TEJAVATHU KAVITHA	Drowsiness Detection system using Eye Aspect ratio technique	10	19	20	9	58



Sl.No	Hall Ticket No.	Name of the Student	Project Title	Dress code (10M)	Preparation (20M)	Presentation (20M)	Viva (10M)	Total (60M)
62	20MC1A0476	TELUGU NARAYANA	Area and power efficient for multiple adjacent bit errors in srams	8	18	18	8	52
63	20MC1A0477	V ASWIN KUMAR	64-Bit Parallel Prefix Adder	10	19	19	9	57
64	20MC1A0479	V GIRI VENKATA RATNAM	A novel method for indian vehicle registration number plate recognition and detection using image processing technique	8	18	17	8	51
65	20MC1A0480	V NAVEEN KUMAR REDDY	Brain tumor from MRI Images	10	20	20	9	59
66	20MC1A0481	VEMURI SUJINI	Obstacle avoidance robot	10	18	17	9	54
67	20MC1A0482	YALAVARTHI ASHOK	Brain tumor from MRI Images	10	19	20	9	58
68	20MC1A0483	YARRABOTHU KEERTHI	IoT based Weather monitoring system using Blynk application	10	19	20	9	58
69	20MC1A0484	YATHIRAJULA REVATHI	64-Bit Parallel Prefix Adder	10	19	19	9	57
70	21MC5A0401	AVULA RAJSEKHAR	IoT based patient health monitoring system	9	19	19	9	56
71	21MC5A0402	B CHANDRA MOUNIKA	dense noise removal techniques	10	18	17	9	54
72	21MC5A0403	B BARGAV SAI GOPAL	Intelligence train engine to avoid accidents and controlling railway gate automatically	9	18	18	9	54
73	21MC5A0404	CHAPPARAPU OMKAR	Color Balance and Fusion	10	17	19	9	55
74	21MC5A0405	CH RUPAK VENKATA SAI	Brain tumor from MRI Images	10	19	20	9	58
75	21MC5A0406	D VENKATA NARENDRA	Color Balance and Fusion	10	19	20	9	58
76	21MC5A0408	GOWRI HARSHA NAGA TEJA	64-Bit Parallel Prefix Adder	10	20	20	9	59
77	21MC5A0409	TELLAMEKALA VAMSI	IoT based patient health monitoring system	9	18	18	7	52
78	21MC5A0411	KOPPULA SWAPNA	Area and power efficient for multiple adjacent bit errors in srams	8	18	18	8	52
79	21MC5A0412	KOTA MEGHANA	64-Bit Parallel Prefix Adder	10	19	19	9	57
80	21MC5A0413	M HARI PRASAD REDDY	Non- Local dehazing network for dense noise removal techniques	9	19	19	9	56
81	21MC5A0414	M GOPI HARI KALYAN	A Study on Medical image compression techniques based on Huffman coding and Discrete wavelet Transform	8	18	17	8	51

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Vijayawada, ANAPRAVATI-521 436


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Sl.No	Hall Ticket No.	Name of the Student	Project Title	Dress code (10M)	Preparation (20M)	Presentation (20M)	Viva (10M)	Total (60M)
82	21MC5A0416	NALAJALA RAVI KIRAN	Brain tumor from MRI Images	9	18	18	8	53
83	21MC5A0419	PAVULURI DHROUVANTH	Brain tumor from MRI Images	8	18	18	8	52
84	21MC5A0421	S VENKATESWARLU	Color Balance and Fusion	10	17	19	9	55
85	21MC5A0422	S VENKATA SAI TEJA	Obstacle avoidance robot	10	19	20	9	58
86	21MC5A0425	YARLAGADDA NAGA BABU	Color Balance and Fusion	10	19	20	9	58
87	21MC5A0426	M JAGADEESH BABU	Skin Cancer Detection	10	20	20	9	59
88	21MC5A0427	SK HUSSAIN	Color Balance and Fusion	9	18	18	7	52
89	21MC5A0428	GORIPARTHI VENU	Brain tumor from MRI Images	10	17	19	9	55

  
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# R K COLLEGE OF ENGINEERING

(Accredited by NAAC with 'A' Grade)



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

## MAIN PROJECT REVIEW EVALUATION - 2

A.Y: 2023-2024 Year: IV Sem:II

Branch: ECE

Section:A & B

Sl.No	Hall Ticket No.	Name of the Student	Project Title	Dress code (10M)	Preparation (20M)	Presentation (20M)	Viva (10M)	Total (60M)
1	20MC1A0401	ALLAM SURENDRA	64-Bit Parallel Prefix Adder	10	18	18	10	56
2	20MC1A0402	ANDRA TEJASREE	Intelligence train engine to avoid accidents and controlling railway gate automatically	10	19	18	10	57
3	20MC1A0403	ARLAGADDA SAI KUMAR	Underwater image enhancement via Minimal Color Loss and Locally Adaptive Contrast Enhancement	10	18	20	10	58
4	20MC1A0404	ATHYALA VINAYKUMAR	64-Bit Parallel Prefix Adder	8	17	18	8	51
5	20MC1A0405	B DILEEP REDDY	Skin Cancer Detection	8	18	18	8	52
6	20MC1A0406	BANGI PARAMESWARUDU	IoT based Smart Electric Vehicle monitoring System	9	18	19	9	55
7	20MC1A0409	C YAMINI	Area and power efficient for multiple adjacent bit errors in	19	19	19	10	58
8	20MC1A0410	CH VENUMADHAV	IoT based Weather monitoring system using Blynk application	8	18	18	8	52
9	20MC1A0411	CHAVALA PAVAN KUMAR	64-Bit Parallel Prefix Adder	10	19	19	9	57
10	20MC1A0412	CHINNOJU HARITHA	Intelligence train engine to avoid accidents and controlling railway gate automatically	10	19	20	9	58

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11	20MC1A0414	CHOUTAPALLI KASTURI	IoT based Smart Electric Vehicle monitoring System	10	19	19	9	57
12	20MC1A0415	D V PAVAN KALYAN	A novel method for indian vehicle registration number plate recognition and detection using image processing technique	10	19	19	10	58
13	20MC1A0417	DEVARINTI RAJESH	IoT based Weather monitoring system using Blynk application	10	19	19	9	57
14	20MC1A0419	ERAGADINDLA SREENU	Intelligence train engine to avoid accidents and controlling railway gate automatically	10	20	20	9	59
15	20MC1A0420	GADI CHAKRADHAR	Drowsiness Detection system using Eye Aspect ratio technique	10	19	19	9	57
16	20MC1A0421	G V CHANDRASEKHAR	A Study on Medical image compression techniques based on Huffman coding and Discrete wavelet Transform	9	19	19	9	56
17	20MC1A0422	G BRAHMAIAH	Skin Cancer Detection	10	19	19	9	57
18	20MC1A0423	G LAKSHMI GAYATHRI	IoT based Smart Electric Vehicle monitoring System	10	19	19	9	57
19	20MC1A0424	G V BALA KRISHNA REDDY	Underwater Image Enhancement Via Minimal Color Loss and Locally Adaptive Contrast Enhancement	10	18	19	9	56
20	20MC1A0425	GOLLA LAKSHMI KANTH	Brain tumor from MRI Images	9	18	19	9	55
21	20MC1A0426	GOLLA VIVEKANANDA	Intelligence train engine to avoid accidents and controlling railway gate automatically	10	18	19	9	56
22	20MC1A0428	GOTTA JAGADEESH	IoT based Weather monitoring system using Blynk application	9	19	19	9	56
23	20MC1A0429	GUNDIMEDA SUNNY	IoT based Smart Electric Vehicle monitoring System	10	19	20	9	58
24	20MC1A0430	GUNTI MANOJ KUMAR	64-Bit Parallel Prefix Adder	19	19	20	9	58
25	20MC1A0431	ILLA HEPSIRANI	IoT based Weather monitoring system using Blynk application	9	18	18	9	54
26	20MC1A0432	J MOHAN GANGA	Obstacle avoidance robot	10	20	20	9	59
27	20MC1A0433	JAVVAJI HEMANTH	IoT based patient health monitoring system	10	19	19	9	57
28	20MC1A0434	JERRI HARI KRISHNA	Obstacle avoidance robot	10	19	19	10	58

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29	20MCIA0436	JYOTHINAGARAM RAMU	IoT based Weather monitoring system using Blynk application	10	18	19	9	56
30	20MCIA0437	KADIYALA ANUSHA	Underwater Image Enhancement Via Minimal Color Loss and Locally Adaptive Contrast Enhancement	10	19	20	9	58
31	20MCIA0438	K RUPESH KUMAR	Non- Local dehazing network for dense noise removal techniques	9	18	18	8	53
32	20MCIA0439	KATIKA VAMSIKRISHNA	Drowsiness Detection system using Eye Aspect ratio technique	10	19	20	9	58
33	20MCIA0440	KOLLI VIJAY BABU	Color Balance and Fusion	9	17	18	9	53
34	20MCIA0441	K RAVI BABU	Obstacle avoidance robot	10	19	20	9	58
35	20MCIA0442	KOMMURU NANDINI	A Study on Medical image compression techniques based on Huffman coding and Discrete wavelet Transform	10	20	20	9	59
36	20MCIA0443	K L LITHISH CHOWDARY	Non- Local dehazing network for dense noise removal techniques	9	18	18	8	53
37	20MCIA0444	KOTRA ARAVIND	Underwater Image Enhancement Via Minimal Color Loss and Locally Adaptive Contrast Enhancement	10	19	19	9	57
38	20MCIA0446	MALLELA MANASA	Obstacle avoidance robot	10	19	18	9	56
39	20MCIA0448	MEDABALIMI HARIKA	Non- Local dehazing network for dense noise removal techniques	10	19	19	9	57
40	20MCIA0451	M S CHAITHANYA REDDY	Drowsiness Detection system using Eye Aspect ratio technique	10	19	19	10	58
41	20MCIA0452	NAANUBALA NAGARJUNA	Skin Cancer Detection	10	19	19	9	57
42	20MCIA0453	NALLA GOPICHAND	IoT based patient health monitoring system	10	19	18	9	56
43	20MCIA0454	NANDYALA RAJ KUMAR	A novel method for indian vehicle registration number plate recognition and detection using image processing technique	10	18	18	9	55
44	20MCIA0455	PANDALANENI BHARGAVI	Skin Cancer Detection	10	19	20	9	58
45	20MCIA0456	PANDILLA SAI KUMAR	A novel method for indian vehicle registration number plate recognition and detection using image processing technique	10	19	19	9	57

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46	20MC1A0457	PENUGONDA SIVAMANI	Drowsiness Detection system using Eye Aspect ratio technique	10	18	18	9	55
47	20MC1A0459	PERAM RAMANA REDDY	Skin Cancer Detection					
48	20MC1A0460	POOSALA DEEPA	Skin Cancer Detection	10	19	19	10	58
49	20MC1A0461	P VENKATASWAMY	lot based patient health monitoring system	10	19	19	9	57
50	20MC1A0462	RAJAPALAM KARAN	A novel method for indian vehicle registration number plate recognition and detection using image processing technique	10	18	19	9	56
51	20MC1A0464	S J MAHESH	Drowsiness Detection system using Eye Aspect ratio technique	10	18	18	8	54
52	20MC1A0465	SANKE NAGA RAJU	A novel method for indian vehicle registration number plate recognition and detection using image processing technique	10	17	19	9	55
53	20MC1A0466	SANNAPANENI SRAVANI	lot based patient health monitoring system	9	19	19	9	56
54	20MC1A0467	SHAIK ALEEM BASHA	Skin Cancer Detection	9	19	19	9	56
55	20MC1A0468	SHAIK HAKEEM PASHA	Obstacle avoidance robot	10	17	19	9	55
56	20MC1A0469	SK KHARIM NAGUL MEERA	A Study on Medical image compression techniques based on Huffman coding and Discrete wavelet Transform	9	19	20	9	57
57	20MC1A0470	SHAIK NASIMA	IoT based Smart Electric Vehicle monitoring System	10	19	20	9	58
58	20MC1A0471	SK N MABU SUBHANI	Non- Local dehazing network for dense noise removal techniques	9	19	19	9	56
59	20MC1A0472	S HEMANTH REDDY	Intelligence train engine to avoid accidents and controlling railway gate automatically	9	18	18	9	54
60	20MC1A0473	SUPRIYA B	Area and power efficient for multiple adjacent bit errors in srams	9	18	19	9	56
61	20MC1A0475	TEJAVATHU KAVITHA	Drowsiness Detection system using Eye Aspect ratio technique	9	19	19	9	56
62	20MC1A0476	TELUGU NARAYANA	Area and power efficient for multiple adjacent bit errors in srams	10	19	19	9	57
63	20MC1A0477	V ASWIN KUMAR	64-Bit Parallel Prefix Adder	10	18	18	9	55

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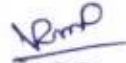
64	20MC1A0479	V GIRI VENKATA RATNAM	A novel method for indian vehicle registration number plate recognition and detection using image processing technique	10	19	20	9	58
65	20MC1A0480	V NAVEEN KUMAR REDDY	Brain tumor from MRI Images	9	18	18	8	53
66	20MC1A0481	DEMURI SUJINI	Obstacle avoidance robot	10	19	19	9	57
67	20MC1A0482	YALAVARTHI ASHOK	Brain tumor from MRI Images	9	18	17	9	53
68	20MC1A0483	YARRABOTHU KEERTHI	IoT based Weather monitoring system using Blynk application	10	20	20	9	59
69	20MC1A0484	YATHIRAJULA REVATHI	64-Bit Parallel Prefix Adder	10	18	18	9	55
70	21MC5A0401	AVULA RAJSEKHAR	IoT based patient health monitoring system	10	19	20	9	58
71	21MC5A0402	B CHANDRA MOUNIKA	Non- Local dehazing network for dense noise removal techniques	10	20	20	9	59
72	21MC5A0403	B BARGAV SAI GOPAL	Intelligence train engine to avoid accidents and controlling railway gate automatically	10	19	19	9	57
73	21MC5A0404	CHAPPARAPU OMKAR	Color Balance and Fusion	10	19	19	9	57
74	21MC5A0405	CH RUPAK VENKATA SAI	Brain tumor from MRI Images	10	18	18	9	55
75	21MC5A0406	D VENKATA NARENDRA	Color Balance and Fusion	10	18	18	9	55
76	21MC5A0408	GOWRI HARSHA NAGA TEJA	64-Bit Parallel Prefix Adder	9	18	17	9	53
77	21MC5A0409	TELLAMEKALA VAMSI	IoT based patient health monitoring system	10	18	19	9	56
78	21MC5A0411	KOPPULA SWAPNA	Area and power efficient for multiple adjacent bit errors in srams	10	19	20	9	58
79	21MC5A0412	KOTA MEGHANA	64-Bit Parallel Prefix Adder	10	20	20	9	59
80	21MC5A0413	M HARI PRASAD REDDY	Non- Local dehazing network for dense noise removal techniques	10	20	20	9	59
81	21MC5A0414	M GOPI HARI KALYAN	A Study on Medical image compression techniques based on	9	18	17	9	53
82	21MC5A0416	NALAJALA RAVI KIRAN	Brain tumor from MRI Images	18	18	18	8	53
83	21MC5A0419	PAVULURI DHURUVANTH	Brain tumor from MRI Images	9	18	18	9	54
84	21MC5A0421	S VENKATESWARLU	Color Balance and Fusion	10	19	19	9	57
85	21MC5A0422	S VENKATA SAI TEJA	Obstacle avoidance robot	9	19	19	9	56
86	21MC5A0425	YARLAGADDA NAGA BABU	Color Balance and Fusion	9	18	18	9	55
87	21MC5A0426	M JAGADEESH BABU	Skin Cancer Detection	9	18	17	9	53

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88	21MC5A0427	SK HUSSAIN	Color Balance and Fusion	9	18	18	8	53
89	21MC5A0428	GORIPARTHI VENU	Brain tumor from MRI Images	9	18	18	9	55

  
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