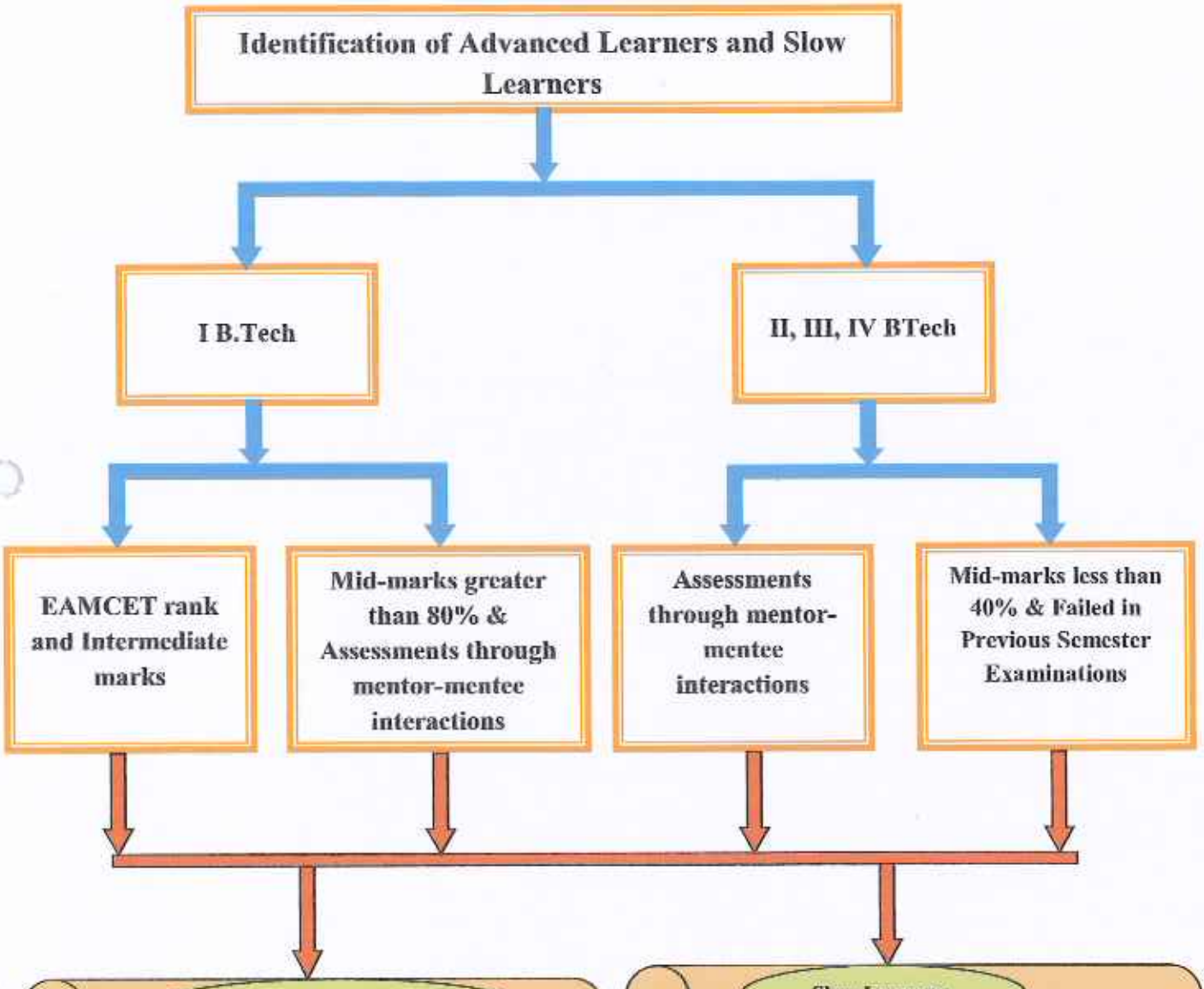
VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN
An ISO 9001:2015 Certified Institute, Approved by AICTE, Affiliated to JNTU Kakinada, AP
Phone:0866-2844444,Email:vijayatechfw@gmail.com Website:www.vitw.edu.in
College Code:NP,Enikepadu,Vijayawada-521 108

ADVANCED LEARNERS & SLOW LEARNERS



Advanced Learners

1.Coaching for GATE and other competitive exams
2.Research presentations at seminars, conferences, and workshops
3.Skill development programs
Career guidance and Campus Recruitment Training,
Projects and internships.
4. Participation in Technical Fests, Hackathons, and co-curricular activities.

Slow Learners

1. Mentoring is provided to the identified students.
2. Special attention is given by conducting tutorial classes specifically for such students
3. Communication skills classes are conducted to enhance their abilities.
4. A question bank is provided for each subject to aid in preparation.
5. Practice with previous question papers is encouraged to improve performance.

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2.2.1(1) Identification Process for Advanced learners and Slow learners

Identify the Advanced Learners:

The following steps are taken to identify and support advanced learners among first-year B.TECH Students.

1. EAMCET rank and Intermediate marks are analyzed.

2. Assessments are conducted through mentor-mentee interactions to better understand their needs.

3. Students Mid-marks are reviewed to identify those scoring greater than 80% in MID-I exams and previous exams results.

Activities for Advanced Learners:

- Coaching for GATE and other competitive exams
- Research presentations at seminars, conferences, and workshops
- Skill development programs
- Career guidance and Campus Recruitment Training
- Projects and internships
- Participation in Technical Fests, Hackathons, and co-curricular activities

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Identify the Slow Learners:

The following steps are taken to identify and support slow learners among first-year B.TECH Students.

1. EAMCET rank and Intermediate marks are analyzed.

2. Assessments are conducted through mentor-mentee interactions.

3. Students Mid-marks are reviewed to identify those scoring less than 40% in MID-I exams and failed in Previous Semester Examinations.

Activities for slow Learners:

1. Mentoring is provided to the identified students.

2. Special attention is given by conducting tutorial classes specifically for such students.

3. Communication skills classes are conducted to enhance their abilities.

4. A question bank is provided for each subject to aid in preparation.

5. Practice with previous question papers is encouraged to improve performance.

6. Remedial and Makeup classes are conducted for additional support.

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LIST OF ACTIVITIES FOR ADVANCED LEARNERS

Admission to the respective programs is based on merit, determined through previous programs for Advanced Learners. Advanced Learners are provided with various opportunities to enhance their professional and academic growth:

- Coaching for GATE and other competitive exams
- Research presentations at seminars, conferences, and workshops
- Skill development programs
- Career guidance and Campus Recruitment Training
- Projects and internships
- Participation in festivals, Hackathons, and co-curricular activities

K. Prasuna
HoD

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College Code: NP, Enikepadu, Vijayawada-521108

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Advanced Learners List: 2023-2024

S.NO	ROLL NO	NAME OF THE STUDENT
1	21NP1A0522	K.SAMATHA
2	21NP1A0524	K.PALLAVI
3	21NP1A0529	M.LAKSHMI CHAITANYA
4	21NP1A0563	A.CHARITHA SRI
5	21NP1A0577	G.SREE KEERTHANA
6	21NP1A0583	A.JAYALAKSHMI
7	21NP1A05A7	S.RAMYA

HoD

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Outcome of Advanced Learners

Year	Registration number/roll number for the exam	Names of students qualified	Name of the qualifying exam
2023-24	9966	Surapaneni bhargavi	IELTS
	4358 8072 4013 6280	Sufeya Shaik	TOEFL
	1959658	Vasavi Atkuri	GRE
	2827213	Maruthi Dhana Lakshmi Chibe	GRE
	799078	Sufeya Shaik	GRE
	2474260A	Madasu Sai Nikhita	M.Tech
	2412106	Dharmarao Geethika	M.Tech
	EC24S76111386	Sai Sravanthi Avuladoddi	GATE
	747706377	Sai Sravanthi Avuladoddi	MAT
	1800988	Siva Nandini Uppuluri	GRE
	6167 8122 3933 3180	Siva Nandini Uppuluri	TOEFL

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IELTS™

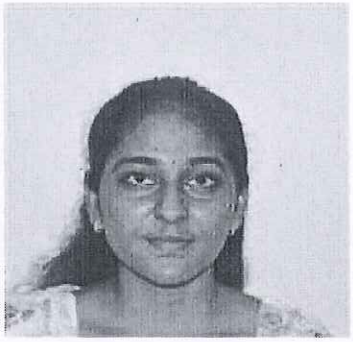
Test Report Form

ACADEMIC

NOTE *Admission to undergraduate and post graduate courses should be based on the ACADEMIC Reading and Writing Modules. GENERAL TRAINING Reading and Writing Modules are* ***not*** *designed to test the full range of language skills required for academic purposes. It is recommended that the candidate's language ability as indicated in this Test Report Form be re-assessed* ***after two years*** *from the date of the test.*

Centre Number	IN855	Date	18/APR/2024	Candidate Number	009966

Candidate Details



Family Name	SURAPANENI
First Name	BHARGAVI
Candidate ID	Y6244956

Date of Birth	05/12/2002	Sex (M/F)	F	Scheme Code	Private Candidate

Country or Region of Origin	
Country of Nationality	INDIA
First Language	TELUGU

Test Results

Listening	6.5	Reading	6.5	Writing	6.5	Speaking	6.0	Overall Band Score	6.5	CEFR Level	B2

Administrator Comments

Centre stamp

idp IELTS TEST CENTRES IN855

Validation stamp

VALIDATION STAMP CAMBRIDGE ENGLISH/BRITISH COUNCIL/IDP IELTS

Administrator's Signature

Date 30/04/2024

Test Report Form Number 24IN009966SURB855A

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The validity of this IELTS Test Report Form can be verified online by recognising organisations at http://ielts.ucles.org.uk

CSE

ETS TOEFL iBT

Test Taker Score Report

SUFEYA, SHAIK

Last (Family/Surname) Name, First (Given) Name Middle Name
Email: shaiksufeya786@gmail.com

SUFEYA, SHAIK
45-13-3, md sharief nuruddin street
Padavalarevu, Gunadala
Vijayawada, Andhra Pradesh 520004
India

Institution Code	Department Code

Test Date: July 22, 2024
Appointment #: 4358 8072 4013 6280
Native Language: Telugu
Test Center Country: India
Test Center: STNRPIND - Home Edition

Gender: Female
Date of Birth: August 24, 2002
Country of Birth: India

Test Date: July 22, 2024

Total Score	Reading	Listening	Speaking	Writing
95 out of 120	27 out of 30	27 out of 30	17 out of 30	24 out of 30

MyBest® Scores | Your highest section scores from all valid test dates, as of July 26, 2024.

Sum of Highest Section Scores	Reading (0–30)	Listening (0–30)	Speaking (0–30)	Writing (0–30)
95 out of 120	27 Test Date Jul 22, 2024	27 Test Date Jul 22, 2024	17 Test Date Jul 22, 2024	24 Test Date Jul 22, 2024

SECURITY IDENTIFICATION
ID Type: PASSPORT
ID No.: xxxxxxxxxxxxxxxxxxxx8808
Issuing Country: India

A total score is not reported when one or more sections have not been administered. Expired scores are not included in ***MyBest***® calculations.

85-85

THIS IS A PDF SCORE REPORT, DOWNLOADED AND PRINTED BY THE TEST TAKER.

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ETS TOEFL iBT

SUFEYA, SHAIK
Test Date: July 22, 2024
Appointment #: 4358 8072 4013 6280

For additional TOEFL iBT scoring details, score ranges, and how to improve your skills, visit www.ets.org/toefl/ibt/scores.

Score Ranges

Total Score Range: 0-120

Reading	0–30
Advanced	24–30
High–Intermediate	18–23
Low–Intermediate	4–17
Below Low–Intermediate	0–3

Listening	0–30
Advanced	22–30
High–Intermediate	17–21
Low–Intermediate	9–16
Below Low–Intermediate	0–8

Speaking	0–30
Advanced	25–30
High–Intermediate	20–24
Low–Intermediate	16–19
Basic	10–15
Below Basic	0–9

Writing	0–30
Advanced	24–30
High–Intermediate	17–23
Low–Intermediate	13–16
Basic	7–12
Below Basic	0–6

Institution Codes

Department	Where the Report was Sent
00	Admissions office for undergraduate study
01, 04-41, 43-98	Admissions office graduate study in the field other than management (business) or law according to the codes selected when you registered
02	Admissions office of a graduate school of management (business)
03	Admissions office of a graduate school of law
42	Admissions office of a school of medicine or nursing or licensing agency
99	Institution or agency that is not a college or university

IMPORTANT NOTE TO SCORE USERS: This is a PDF score report, downloaded and printed by the test taker. Therefore, ETS cannot guarantee that it has not been altered. To verify the scores on this report, please contact the TOEFL® Score Verification Service at **+1-800-257-9547** or **+1-609-771-7100**. Scores more than two years old cannot be reported or validated.

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ETS GRE

Test Taker Score Report

Download PDF Report

TEST TAKER SCORE REPORT

VASAVI ATKURI

Address: 6-9-1, chirivada bapulapadu, Krishna, 521109 India
Email: vasaviatkuri@gmail.com
Phone: 91-9603383867
Date of Birth: May 8, 2003
Gender: Female
Intended Graduate Major: Other Fields - Not Listed (5199)

Most Recent Test Date: March 4, 2023

Registration Number: 1959658

Your Scores for the General Test Taken on March 4, 2023

Verbal Reasoning

Your Scaled Score: **151**

130 — 170

48th Percentile

Quantitative Reasoning

Your Scaled Score: **163**

130 — 170

76th Percentile

Analytical Writing

Your Score: **2.5**

0 — 6

6th Percentile

Your Test Score History

General Test Scores

	Verbal Reasoning		Quantitative Reasoning		Analytical Writing	
Test Date	Scaled Score	Percentile	Scaled Score	Percentile	Score	Percentile
March 4, 2023	151	48	163	76	2.5	6

Subject Test Scores

You do not have reportable test scores at this time.

Your Score Recipient(s)

Undergraduate Institution

Report Date	Institution (Code)	Department (Code)	Test Title	Test Date

Designated Score Recipient(s)

Report Date	Score Recipient (Code)	Department (Code)	Test Title	Test Date

About Your *GRE*® Score Report

Score Reporting Policies

With the *ScoreSelect*® option, you can decide which test scores to send to the institutions you designate. There are three options to choose from:

- Most Recent option - Send your scores from your most recent test administration

- All option - Send your scores from all administrations in the last five years
- Any option - Send your scores from one OR as many test administrations in the last five years (this option is not available on test day when you select up to four FREE score reports)

Scores for a test administration must be reported in their entirety. Institutions will receive score reports that show only the scores that you selected to send to them. There will be no special indication if you have taken additional GRE tests. See the *GRE® Information Bulletin* for details. The policies and procedures explained in the Bulletin for the current testing year supersede previous policies and procedures in previous bulletins.

Scores will be sent to designated score recipients approximately 10-15 days after a computer-delivered test and 5 weeks after a paper-delivered test. If your scores are not available for any reason, you will see "Not Available" in Your Test Score History.

GRE test scores are reportable according to the following policies:

- For tests taken prior to July 1, 2016, scores are reportable for five (5) years following the testing year in which you tested (July 1 - June 30). For example, scores for a test taken on May 15, 2015, are reportable through June 30, 2020. GRE scores earned prior to August 2011 are no longer reportable.
- For tests taken on or after July 1, 2016, scores are reportable for five (5) years following your test date. For example, scores for a test taken on July 3, 2016, are reportable through July 2, 2021.

Note: Score recipients will only receive scores from test administrations that you have selected to send to them.

Percentile Rank (% Below)

A percentile rank for a test score indicates the percentage of test takers who took that test and received a lower score. Regardless of when the reported scores were earned, the percentile ranks for General Test and Subject Test scores are based on the scores of all test takers who tested within the most recent three-year period.

Retaking a GRE Test

You can take the *GRE®* General Test *once every 21 days*, up to *five times* within any continuous rolling 12-month period (365 days). This applies even if you canceled your scores on a test taken previously. You can take the paper-delivered GRE General Test and *GRE®* Subject Tests as often as they are offered.

Note: This policy will be enforced even if a violation is not immediately identified (e.g., inconsistent registration information) and test scores have been reported. In such cases, the invalid scores will be canceled and score recipients will be notified of the cancellation. Test fees will be forfeited.

For More Information

For information about interpreting your scores, see *Interpreting Your GRE Scores* at **www.ets.org/gre/test-takers/general-test/scores/understand-scores.**

For detailed information about your performance on the Verbal Reasoning and Quantitative Reasoning sections of the computer-delivered GRE General Test, access the free GRE Diagnostic Service from your ETS account. This service includes a description of the types of questions you answered right and wrong, the difficulty level of each question, and the time spent on each question. This service is available approximately 15 days after your test administration and for six months following your test administration.

If you have any questions concerning your score report, email GRE Services at **gre-info@ets.org** or call 1-609-771-7670 or 1-866-473-4373 (toll free for test takers in the U.S., U.S. Territories and Canada) between 8 a.m. and 7:45 p.m. (New York Time).

Back

Request Score Review

Confirm

Your seat will be released in next 5 minutes. Do you need extra time to complete your purchase?

No Yes

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CSE

ETS GRE

TEST TAKER SCORE REPORT

Note: This report is not valid for transmission of scores to an institution.

MARUTHI DHANA LAKSHMI CHIBE

Address: 1-114,SALAKALAVEEDU, BESTAVARIPETA,PRAKASAM, SALAKALAVEEDU, 523370 India

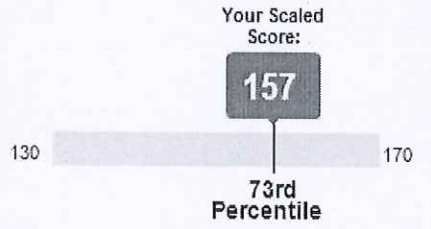
Email: maruthidhanalakshmic@gmail.com
Phone: 91-9392487771
Date of Birth: April 22, 2003
Gender: Female
Intended Graduate Major: Computer Science (0402)

Most Recent Test Date: May 20, 2024

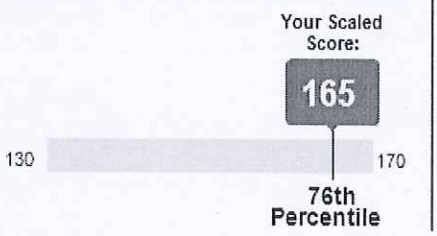
Registration Number: 2827213
Print Date: May 30, 2024

Your Scores for the General Test Taken on May 20, 2024

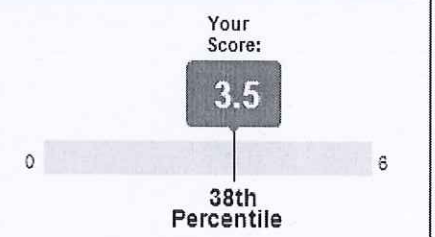
Verbal Reasoning



Quantitative Reasoning



Analytical Writing



Your Test Score History

General Test Scores

	Verbal Reasoning		Quantitative Reasoning		Analytical Writing	
Test Date	**Scaled Score**	**Percentile**	**Scaled Score**	**Percentile**	**Score**	**Percentile**
May 20, 2024	157	73	165	76	3.5	38

Subject Test Scores

You do not have reportable test scores at this time.

Your Score Recipient(s)

Undergraduate Institution

Report Date	Institution (Code)	Department (Code)	Test Title	Test Date

Designated Score Recipient(s)

Report Date	Score Recipient (Code)	Department (Code)	Test Title	Test Date

ETS GRE

TEST TAKER SCORE REPORT

Note: This report is not valid for transmission of scores to an institution.

MARUTHI DHANA LAKSHMI CHIBE

Most Recent Test Date: May 20, 2024

Date of Birth: April 22, 2003

Registration Number: 2827213
Print Date: May 30, 2024

About Your *GRE*® Score Report

Score Reporting Policies

With the *ScoreSelect*® option, you can decide which test scores to send to the institutions you designate. There are three options to choose from:

- Most Recent option – Send your scores from your most recent test administration
- All option – Send your scores from all administrations in the last five years
- Any option – Send your scores from one OR as many test administrations in the last five years (this option is not available on test day when you select up to four FREE score reports)

Scores for a test administration must be reported in their entirety. Institutions will receive score reports that show only the scores that you selected to send to them. There will be no special indication if you have taken additional GRE tests. See the *GRE® Information Bulletin* for details. The policies and procedures explained in the Bulletin for the current testing year supersede previous policies and procedures in previous bulletins.

If your scores are not available for any reason, you will see "Not Available" in Your Test Score History.

GRE test scores are reportable for five (5) years following your test date. For example, scores for a test taken on July 3, 2021, are reportable through July 2, 2026. Note: Score recipients will only receive scores from test administrations that you have selected to send to them.

Beginning in September 2023, the subscores on the Physics and Psychology Tests will be reported as percent correct scores (i.e., the percentage of questions in a subscore area answered correctly). Subscores earned after September 2023 should not be compared with scaled subscores earned prior to September 2023.

Percentile Rank (% Below)

A percentile rank for a test score indicates the percentage of test takers who took that test and received a lower score. Regardless of when the reported scores were earned, the percentile ranks for General Test and Subject Test scores are based on the scores of all test takers who tested within the most recent three-year period.

Free GRE Diagnostic Service

For detailed information about your performance on the Verbal Reasoning and Quantitative Reasoning sections of the computer-delivered GRE General Test, access the free GRE Diagnostic Service from your ETS account. This service includes a description of the types of questions you answered right and wrong, the difficulty level of each question, and the time spent on each question. This service is available approximately 15 days after your test administration and for six months following your test administration.

Retaking a GRE Test

You can take the GRE General Test once every 21 days, up to five times within any continuous rolling 12-month period (365 days). This applies even if you canceled your scores on a test taken previously. You can retake a GRE Subject Test once every 14 days.

Note: This policy will be enforced even if a violation is not immediately identified (e.g., inconsistent registration information) and test scores have been reported. In such cases, the invalid scores will be canceled and score recipients will be notified of the cancellation. Test fees will be forfeited.

For More Information

For information about interpreting your scores, see https://www.ets.org/gre/test-takers/general-test/scores/understand-scores.html .

If you have any questions concerning your score report, email GRE Services at **gre-info@ets.org** or call 1-609-771-7670 or 1-866-473-4373 (toll free for test takers in the U.S., U.S. Territories and Canada) between 8 a.m. and 7:45 p.m. (New York Time).

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CSE

GRE

TEST TAKER SCORE REPORT

Note: This report is not valid for transmission of scores to an institution.

Sufeya Shaik

Address: 45-13-3, Md Sharieff street, Gunadala, Padavala revu, Vijayawada, 520004 India

Email: shaiksufeya@gmail.com
Phone: 91-7993594755

Date of Birth: August 24, 2002
Social Security Number (Last Four Digits):
Gender: Female
Intended Graduate Major: Computer Science (0402)

Most Recent Test Date: April 4, 2022

Registration Number: 0799078
Print Date: April 13, 2022

Your Scores for the General Test Taken on April 4, 2022

Verbal Reasoning

Your Scaled Score: **142**

130 — 170

16th Percentile

Quantitative Reasoning

Your Scaled Score: **163**

130 — 170

79th Percentile

Analytical Writing

Your Score: **3.0**

0 — 6

13th Percentile

Your Test Score History

General Test Scores

	Verbal Reasoning		Quantitative Reasoning		Analytical Writing	
Test Date	**Scaled Score**	**Percentile**	**Scaled Score**	**Percentile**	**Score**	**Percentile**
April 4, 2022	142	16	163	79	3.0	13

Subject Test Scores

You do not have reportable test scores at this time.

Your Score Recipient(s)

Undergraduate Institution

Report Date	Institution (Code)	Department (Code)	Test Title	Test Date

Designated Score Recipient(s)

Report Date	Score Recipient (Code)	Department (Code)	Test Title	Test Date

ETS GRE

TEST TAKER SCORE REPORT

Note: This report is not valid for transmission of scores to an institution.

Sufeya Shaik

Most Recent Test Date: April 4, 2022

Date of Birth: August 24, 2002

Registration Number: 0799078
Print Date: April 13, 2022

About Your *GRE®* Score Report

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For More Information

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PROVISIONAL ADMISSION LETTER - 2024

Name of the student MADASU SAI NIKHITA

Application Number 2474260A / KL Entrance Exam Rank 216

Qualification B Tech / Percentage Secured 7

Program Enrolled M Tech

(B.Tech, Lateral Entry, B.Com(H), BHM, B.Sc (A&G), BBA, BFA, BCA, BA-IAS Oriantetion, MBA, M.Tech, M.Sc, MA)

Branch CSE - AI & DS

Name of the college (Last studied) Vijaya womens College

Valid Mobile / Land line Number 9515532455

Mail I.D nikbita3535@gmail.com

Permanent Address Vijayawada

10. Total No.of Original Certificates Submitted

SSC: ✓	Inter: ✓	TC:
C.C:	Graduation: ✓	Remarks:

11.

Payment Details	D.D Number	Amount	Date	Bank/Branch
Admission Fee	7159460002	15000/-	01/05/2024	ERP
Tuition Fee				
Tuition Fee				

12.

Reference Name	Employee ID	Program
P. Swapna	7932	M.Tech - CSE

Note: If a student is not able to provide the valid original eligibility certificates automatically the admission will be cancelled. Management holds all right to cancel the admission of students who fail to meet the eligibility criteria for the programs offered by the university at any point during admission process.
Admission fees of Rs.15000/- is not refundable at any cost.

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VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN
LINGAPADU, VIJAYAWADA-521 108.

M Sai Nikhita
Signature of the student & date

M. Vijayavardhana Rao
Signature of the Parent & date

Admissions Department

7932
Employee ID:

P. Swapna
Authorised Signature
(Name & Designation)

DIRECTOR OF ADMISSIONS
KL UNIVERSITY
Director of Admissions

KL UNIVERSITY | KLH UNIVERSITY | GBS GLOBAL BUSINESS SCHOOL

Koneru Lakshmaiah Education Foundation
(Deemed to be university, estd, u/a, 3 of the UGC Act, 1956)

NAAC A++ ACCREDITED BY | RECOGNISED AS CATEGORY 1 UNIVERSITY BY UGC | 44 YEARS OF EDUCATIONAL LEADERSHIP | nirf 28 AMONG ALL UNIVERSITIES

PROVISIONAL ADMISSION LETTER - 2024

1. Name of the student Dharmavao Geethika
2. Application Number KL-241210E / KL Entrance Exam Rank
3. Qualification B.Tech / Percentage Secured 7.5 cgpa
4. Program Enrolled M.Tech

(B.Tech, Lateral Entry, B.Com(H), BHM, B.Sc (A&G), BBA, BFA, BCA, BA-IAS Oriantetion, MBA, M.Tech, M.Sc, MA)

5. Branch AI & DS
6. Name of the college (Last studied) Vijaya Institute of Technology
7. Valid Mobile / Land line Number 9908767553
8. Mail I.D geethika.d55@gmail.com
9. Permanent Address 12-464/6, 2nd left, Ashramam Road, Tadepalli, Guntur, 522501
10. Total No.of Original Certificates Submitted

SSC:	Inter:	TC:
C.C:	Graduation:	Remarks:

11.

Payment Details	D.D Number	Amount	Date	Bank/Branch
Admission Fee	1723283245	15,000/-	10/8/24	ERP
Tuition Fee				
Tuition Fee				

12

Reference Name	Employee ID	Program
Mr Pavan.		

Note: If a student is not able to provide the valid original eligibility certificates automatically the admission will be cancelled. Management holds all right to cancel the admission of students who fail to meet the eligibility criteria for the programs offered by the university at any point during admission process.
Admission fees of Rs.15000/- is not refundable at any cost.

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ENIKEPADU, VIJAYAWADA-521 108.

Geethika D 10/8/24
Signature of the student & date

Signature of the Parent & date

Admissions Department

7932
Employee ID:

Authorised Signature (Name & Designation)

10/8/24
Director of Admissions

Admission Office : Museum Road, Campus : Green Fields, VADDESWARAM, VIJAYAWADA - 522 502.

GRADUATE APTITUDE TEST IN ENGINEERING 2024

अभियांत्रिकी स्नातक अभिक्षमता परीक्षा २०२४

ORGANISING INSTITUTE: INDIAN INSTITUTE OF SCIENCE, BENGALURU

SCORE CARD

Name of the Candidate
SAI SRAVANTHI AVULADODDI

Name of the Parent/Guardian
NARAHARI AVULADODDI

Registration No.	**EC24S76111386**		
Test Paper	**Electronics and Communication Engineering (EC)**		
Date of Examination	**February 11, 2024**		
GATE Score	**325**	Marks out of 100	**23.33**
All India Rank (AIR) in the test paper	**10881**	**Qualifying Marks**	
		General	**25.0**
		EWS/OBC-NCL	**22.5**
Number of candidates appeared for the test paper	**63092**	SC/ST/PwD	**16.6**

Prof. Chandra Sekhar Seelamantula
Organising Chairperson, GATE 2024
On behalf of NCB-GATE
Ministry of Education (MoE)

8779c905934afa52db01f74eda8c261b

A candidate is considered **qualified** if the marks secured are greater than or equal to the qualifying marks mentioned for the category, for which a valid category certificate, if applicable, must be produced along with this Score Card.

This Score Card is valid up to 31st March 2027.

GATE SCORE COMPUTATION

The GATE 2024 score is calculated using the formula

$$\text{GATE Score} = S_q + (S_t - S_q)\frac{(M - M_q)}{(M_t - M_q)}$$

where
M is the marks obtained by the candidate in the paper mentioned on the GATE 2024 Score Card
M_q is the qualifying marks for general category candidates in the paper
M_t is the mean of marks of top 0.1% or top 10 (whichever is larger) of all the candidates who appeared for the test paper
S_q = 350, is the score assigned to M_q
S_t = 900, is the score assigned to M_t

M_q is 25 marks (out of 100) or $\mu + \sigma$, whichever is greater. Here, μ is the mean and σ is the standard deviation of marks of all the candidates who appeared for the test paper.

Qualifying in GATE 2024 does not guarantee admission to a postgraduate program or scholarship/financial assistance. Admitting institutes may conduct additional tests or interviews for final selection of candidates.

Graduate Aptitude Test in Engineering (GATE) 2024 was organised by Indian Institute of Science, Bengaluru, on behalf of National Coordination Board (NCB) - GATE for the Department of Higher Education, Ministry of Education (MoE), Government of India.

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AIMA
ALL INDIA MANAGEMENT ASSOCIATION

MAT-Score®

Management Aptitude Test

TEST MONTH & YEAR	: February 2024		
REGISTRATION NUMBER	: 706377		
ROLL NUMBER	: 747706377		
NAME	: SAI SRAVANTHI AVULADODDI	**DOB**	: 18/04/2002
GENDER	: Female	**CATEGORY**	: OBC (Non Creamy Layer)
DEGREE	: B.Tech	**WORK EXPERIENCE (Months)**	:
FATHER's NAME	: NARAHARI AVULADODDI	**MOTHER's NAME**	: TIRUMALESWARI AVULADODDI

SCALED SCORES

Language Comprehension		Mathematical Skills		Data Analysis & Sufficiency		Intelligence & Critical Reasoning		Indian & Global Environment	
Scaled score	Percentile Below	Scaled score	Percentile Below	Scaled score	Percentile Below	Scaled score	Percentile Below	Scaled score	Percentile Below
59.51	83.43	40.32	18.58	46.40	40.29	47.37	43.01	56.96	82.63

Composite Score	Percentile Below	SCORE VALID UPTO: February 2025	DIRECTOR
519.50	42.86		

Note:

- Please refer to the website link : https://resources.aima.in/event-uploaded-file/mat-score-and-its-interpretation.pdf to interpret your score.
- Your score has already been advised to the institutes opted for by you.
- Score card to be downloaded from AIMA website only. Score card will NOT be sent by post or email.
- You must retain this score card for future reference and records.

Management Aptitude Test and Test Scores

1. The Management Aptitude Test (MAT) is designed to measure the aptitude of a candidate for pursuing management education and should be used only for this purpose.
2. MAT is administered in five sections-Language Comprehension, Mathematical Skills, Data Analysis & Sufficiency, Intelligence & Critical Reasoning and Indian & Global Environment-each section testing a different ability relevant for management education.
3. All MAT administrations necessarily have different questions. Thus one administration may be slightly more difficult or less difficult than another. Scaling has been used to take care of these differences.
4. The scaled scores reported are standardised scores for respective sections. These scores are reported on a scale of 0 to 100. Extreme scores (below 15 or above 85) are rare.
5. The percentile below column indicates the percentage of candidates in the test who scored below that of the candidate in the section.
6. The Composite score is an overall scaled score based on the first four sections of MAT. This is reported on a scale of 199 to 801.
7. The percentile below for the Composite Score represents the percentage of candidates whose composite scores are below the candidate's. The composite score has a validity period of one year.
8. All scores and percentile below figures are reported after rounding off to the nearest whole number.
9. Personal data is as reported by the candidate.
10. The AIMA has taken due care while uploading the Score Card. However, in case of any inadvertent error, the AIMA reserves the right to rectify the same at a later stage.
11. Normalised scores across multi session papers are based on the relative performance of all those who appeared for the examination. The raw marks obtained are transformed into Normalised Score. For detailed procedure on Normalised Score , please visit website https://resources.aima.in/event-uploaded-file/mat-score-and-its-interpretation.pdf

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SIVA NANDINI UPPULURI

Most Recent Test Date: December 22, 2022

Date of Birth: March 31, 2003

Registration Number: 1800988
Print Date: May 1, 2024

About Your *GRE*® Score Report

Score Reporting Policies

With the *ScoreSelect*® option, you can decide which test scores to send to the institutions you designate. There are three options to choose from:

- Most Recent option – Send your scores from your most recent test administration
- All option – Send your scores from all administrations in the last five years
- Any option – Send your scores from one OR as many test administrations in the last five years (this option is not available on test day when you select up to four FREE score reports)

Scores for a test administration must be reported in their entirety. Institutions will receive score reports that show only the scores that you selected to send to them. There will be no special indication if you have taken additional GRE tests. See the *GRE® Information Bulletin* for details. The policies and procedures explained in the Bulletin for the current testing year supersede previous policies and procedures in previous bulletins.

If your scores are not available for any reason, you will see "Not Available" in Your Test Score History.

GRE test scores are reportable for five (5) years following your test date. For example, scores for a test taken on July 3, 2021, are reportable through July 2, 2026. Note: Score recipients will only receive scores from test administrations that you have selected to send to them.

Beginning in September 2023, the subscores on the Physics and Psychology Tests will be reported as percent correct scores (i.e., the percentage of questions in a subscore area answered correctly). Subscores earned after September 2023 should not be compared with scaled subscores earned prior to September 2023.

Percentile Rank (% Below)

A percentile rank for a test score indicates the percentage of test takers who took that test and received a lower score. Regardless of when the reported scores were earned, the percentile ranks for General Test and Subject Test scores are based on the scores of all test takers who tested within the most recent three-year period.

Free GRE Diagnostic Service

For detailed information about your performance on the Verbal Reasoning and Quantitative Reasoning sections of the computer-delivered GRE General Test, access the free GRE Diagnostic Service from your ETS account. This service includes a description of the types of questions you answered right and wrong, the difficulty level of each question, and the time spent on each question. This service is available approximately 15 days after your test administration and for six months following your test administration.

Retaking a GRE Test

You can take the GRE General Test once every 21 days, up to five times within any continuous rolling 12-month period (365 days). This applies even if you canceled your scores on a test taken previously. You can retake a GRE Subject Test once every 14 days.

Note: This policy will be enforced even if a violation is not immediately identified (e.g., inconsistent registration information) and test scores have been reported. In such cases, the invalid scores will be canceled and score recipients will be notified of the cancellation. Test fees will be forfeited.

For More Information

For information about interpreting your scores, see https://www.ets.org/gre/test-takers/general-test/scores/understand-scores.html .

If you have any questions concerning your score report, email GRE Services at **gre-info@ets.org** or call 1-609-771-7670 or 1-866-473-4373 (toll free for test takers in the U.S., U.S. Territories and Canada) between 8 a.m. and 7:45 p.m. (New York Time).

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ENIKEPADU, VIJAYAWADA-521 108.

ETS GRE.

TEST TAKER SCORE REPORT

Note: This report is not valid for transmission of scores to an institution.

SIVA NANDINI UPPULURI

Address: NEAR VIJAYALAKSHMI THREATRE,7-42, KANURU, KRISHNA, 520007 India

Email: nandinichowdary827@gmail.com
Phone: 91-8790585969
Date of Birth: March 31, 2003
Gender: Female
Intended Graduate Major: Undecided (0000)

Most Recent Test Date: December 22, 2022

Registration Number: 1800988
Print Date: May 1, 2024

Your Scores for the General Test Taken on December 22, 2022

Verbal Reasoning

Your Scaled Score: **151**

130 — 170

46th Percentile

Quantitative Reasoning

Your Scaled Score: **167**

130 — 170

83rd Percentile

Analytical Writing

Your Score: **2.5**

0 — 6

7th Percentile

Your Test Score History

General Test Scores

	Verbal Reasoning		Quantitative Reasoning		Analytical Writing	
Test Date	**Scaled Score**	**Percentile**	**Scaled Score**	**Percentile**	**Score**	**Percentile**
December 22, 2022	151	46	167	83	2.5	7

Subject Test Scores

You do not have reportable test scores at this time.

Your Score Recipient(s)

Undergraduate Institution

Report Date	Institution (Code)	Department (Code)	Test Title	Test Date

Designated Score Recipient(s)

Report Date	Score Recipient (Code)	Department (Code)	Test Title	Test Date

G.chm
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ETS TOEFL iBT

Test Taker Score Report

Uppuluri, Siva Nandini

Last (Family/Surname) Name, First (Given) Name Middle Name
Email: nandiniuppuluri31@gmail.com

Uppuluri, Siva Nandini
Poranki
Krishna, Andhra Pradesh
India

Institution Code	Department Code

Test Date: December 10, 2023
Appointment #: 6167 8122 3933 3180
Native Language: Telugu
Test Center Country: India
Test Center: STNRPIND - Home Edition

Gender: Female
Date of Birth: March 31, 2003
Country of Birth: India

Test Date: December 10, 2023

Total Score	Reading	Listening	Speaking	Writing
95 out of 120	28 out of 30	30 out of 30	16 out of 30	21 out of 30

MyBest® Scores

Your highest section scores from all valid test dates, as of December 12, 2023.

Sum of Highest Section Scores	Reading (0–30)	Listening (0–30)	Speaking (0–30)	Writing (0–30)
95 out of 120	28 Test Date Dec 10, 2023	30 Test Date Dec 10, 2023	16 Test Date Dec 10, 2023	21 Test Date Dec 10, 2023

SECURITY IDENTIFICATION
ID Type: Alternate ID*
ID No.: xxxxxxxxxxxxxxxxxxxx7502
Issuing Country: India
*Not Passport or National ID

A total score is not reported when one or more sections have not been administered. Expired scores are not included in *MyBest*® calculations.

85-85

THIS IS A PDF SCORE REPORT, DOWNLOADED AND PRINTED BY THE TEST TAKER.

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ENIKEPADU, VIJAYAWADA-521 108.

ETS TOEFL iBT

Uppuluri, Siva Nandini
Test Date: December 10, 2023
Appointment #: 6167 8122 3933 3180

For additional TOEFL iBT scoring details, score ranges, and how to improve your skills, visit www.ets.org/toefl/ibt/scores.

Score Ranges

Total Score Range: 0-120

Reading	0–30
Advanced	24–30
High–Intermediate	18–23
Low–Intermediate	4–17
Below Low–Intermediate	0–3

Listening	0–30
Advanced	22–30
High–Intermediate	17–21
Low–Intermediate	9–16
Below Low–Intermediate	0–8

Speaking	0–30
Advanced	25–30
High–Intermediate	20–24
Low–Intermediate	16–19
Basic	10–15
Below Basic	0–9

Writing	0–30
Advanced	24–30
High–Intermediate	17–23
Low–Intermediate	13–16
Basic	7–12
Below Basic	0–6

Institution Codes

Department	Where the Report was Sent
00	Admissions office for undergraduate study
01, 04-41, 43-98	Admissions office graduate study in the field other than management (business) or law according to the codes selected when you registered
02	Admissions office of a graduate school of management (business)
03	Admissions office of a graduate school of law
42	Admissions office of a school of medicine or nursing or licensing agency
99	Institution or agency that is not a college or university

IMPORTANT NOTE TO SCORE USERS: This is a PDF score report, downloaded and printed by the test taker. Therefore, ETS cannot guarantee that it has not been altered. To verify the scores on this report, please contact the TOEFL® Score Verification Service at **+1-800-257-9547** or **+1-609-771-7100**. Scores more than two years old cannot be reported or validated.

G.Chm
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ENIKEPADU, VIJAYAWADA-521 108.

Outcome of Advanced Learners

❖ **Participation in Technical Fests, Hackathons, and Co-Curricular Activities**

CERTIFICATE

OF PARTICIPATION

PROUDLY PRESENTED TO

Manimukkula vedha matha Gayathri devi

For being a participant in the CELESTIA-2k23

The event was organized On the 24th and 25th of August 2023 by the CSI student chapter,

Velagapudi Ramakrishna Siddhartha Engineering College, kanuru.

DR. M. SUNEETHA
HEAD OF
DEPARTMENT(IT)

COMPUTER SOCIETY OF INDIA
ESTD 1965

DR. A. V. RATNA
PRASAD
PRINCIPAL

G. Chm
PRINCIPAL
VIJAYA INSTITUTE OF
TECHNOLOGY FOR WOMEN
ENIKEPADU, VIJAYAWADA-521 108.

Verified
Certificate

IBM

Joseph Santarcangelo
Data Scientist
IBM

This is to certify that

Gajavalli Nagalakshmi Prathusha

successfully completed and received a passing grade in

ML0101EN: Machine Learning with Python: A Practical Introduction

a course of study offered by IBM, an online learning initiative of IBM.

edX

Verified Certificate
Issued March 31, 2024

Valid Certificate ID
1dec2d50cfd04c31b14428076e972e1f

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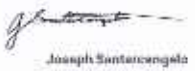
Verified
Certificate

IBM



Joseph Santarcangelo
Data Scientist
IBM

This is to certify that

Sunkara Ramya

successfully completed and received a passing grade in

ML0101EN: Machine Learning with Python: A Practical Introduction

a course of study offered by IBM, an online learning initiative of IBM.

edX

Verified Certificate
Issued April 1, 2024

Valid Certificate ID
02132f6f58a949589355282bfcca4a86

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Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

MARUBOINA LAKSHMI CHAITANYA

for successfully completing the course

Problem Solving Through Programming in C

with a consolidated score of **60** %

Online Assignments	24.25/25	Proctored Exam	36/75

Total number of candidates certified in this course: **3857**

Jul-Oct 2023

(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

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FREE ONLINE EDUCATION swayam

Roll No: NPTEL23CS121S34980693

To verify the certificate

No. of credits recommended: 3 or 4

Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

SAMATHA KOLAVANTI

for successfully completing the course

Problem Solving Through Programming in C

with a consolidated score of **67** %

Online Assignments	25/25	Proctored Exam	42/75

Total number of candidates certified in this course: **3857**

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Jul-Oct 2023

(12 week course)

Indian Institute of Technology Kharagpur

G.Chm
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FREE ONLINE EDUCATION swayam शिक्षित भारत, उन्नत भारत

Roll No: NPTEL23CS121S34982547 To verify the certificate No. of credits recommended: 3 or 4

SRK INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi Affiliated to JNTUK & Certified by ISO 9001:2015

ACCREDITED BY NAAC WITH 'A' GRADE

ENIKEPADU, VIJAYAWADA

Certificate

This is to certify that Mr./Ms. A. Sai Sravanthi

of VITW has

participated in **EXPLORERS' MEET-2K23** held on 9th - 10th February 2023 in the

event Paper Presentation conducted by the department

of ECE. He/She has secured 2nd place.

Dr. G.D.K. Kishore
Co-ordinator

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ENIKEPADU, VIJAYAWADA-521 108.

Dr. M. Ekambaram Naidu
Principal

ProTreX
Technology re-Xplained

e-cell
IIT BOMBAY

CERTIFICATE

OF PARTICIPATION

Certificate no 190402

This certificate is presented to

A SAI SRAVANTHI

For outstanding contribution as a participant in 2 Days Workshop on Hands -on IoT *from 18th March to 19th March 2023 at UCEK(A), JNTU Kakinada organized by ProTreX LLP in association with E-Cell IIT Bombay.*

Nishant Singh
Operation Manager

Dr. N. Balaji
Convener

Dr. K. Rama Devi/ Dr. R. Madhu
Faculty Coordinator

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VIJAYA INSTITUTE OF
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ENIKEPADU, VIJAYAWADA-521 108.

CHALAPATHI INSTITUTE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

Approved by AICTE,Affiliated to Acharya Nagarjuna University,Recognized by UGC under section 2(f)
Accredited by NBA,NAAC with'A' Grade,ISO 9001:2015 Certified Institution
Chalapathi Nagar,Lam,Guntur-522034,A.P

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

This is to certify that A.Sai Sravanthi of Vijaya Institute of Technology for Women, Vijayawada has participated in the **"DREAM SPARK 2023"** conducted by Department of Computer Science and Engineering on **25-01-23** in association with CSI and Won **First Prize** in **Papyrus Event**.

K Kiran Kumar

Prof.K.Kiran Kumar
Professor & HOD
CSE Department

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TECHNOLOGY FOR WOMEN
ENIKEPADU, VIJAYAWADA-521 108.

M. Chandra Sekhar

Dr.M.Chandrasekhar
Principal

NATIONAL INTERNSHIP PORTAL

अखिल भारतीय तकनीकी शिक्षा परिषद्
All India Council for Technical Education

EduSkills®
Nation Building Through Skills

Certificate of Virtual Internship

This is to certify that

Vengala Dhana Lakshmi

Vijaya Institute of Technology for Women

has successfully completed 10 weeks

Zero Trust Cloud Security Virtual Internship

During July - September 2024

Supported By zscaler™

Prameet Chhabra Vice President, Platform Enablement Zscaler	**Shri Buddha Chandrasekhar** Chief Coordinating Officer (CCO) NEAT Cell, AICTE	**Dr. Satya Ranjan Biswal** Chief Technology Officer (CTO) EduSkills

Certificate ID :479f854a325836de6907cd739de1cbca
Student ID :STU636cffa442ec51668087716

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ENIKEPADU, VIJAYAWADA-521 108.

GRADE: O (Outstanding) 90-100 | E (Excellent) 80-89 | A (Very Good) 70-79 | B (Good) 60-69 | C (Fair) 50-59 | D (Average) 40-49 | P (Pass) 30-39 | F (Fail) Below 30

VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN

ENIKEPADU, VIJAYAWADA

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

IV/IV BTECH II SEMESTER PROJECT BATCHES LIST: 2023-2024

S.No	Batch No.	Roll No.	Name of the Student	Name of the Guide
1	I	21NP5A0402	BAIG SHABANA	Dr.G.Chenchamma
2		20NP1A0435	N.LAKSHMI SOWMYA	
3		21NP5A0410	K.N. SPANDANA	
4		21NP5A0420	SH.RAMYA	
5		20NP1A0417	D.GNANADEEPIKA	
6	II	20NP1A0411	BOJEDLA DEEPIKA	Dr.K.Murali
7		21NP5A0427	T. VYSHNAVI	
8		20NP1A0439	P.SRIJA	
9		20NP1A0445	SK.BASHIRUNNISA	
10	III	21NP5A0418	P.YASASWINI	Ms.K.Prasuna
11		20NP1A0424	K. DEVI LAKSHMI	
12		20NP1A0448	T.PRAVALLIKA	
13		20NP1A0408	B.LEHA SRI	
14	IV	21NP5A0403	CH. SAI SRI	Mr.V.Devasahayam
15		21NP5A0414	M.S. HIMA VARSHA	
16		20NP1A0437	P.SAHITHI	
17		20NP1A0415	CH.JYOSHIKA	
18	V	20NP1A0407	B.THIRUMALA DEVI	Mr.B.MohanSwaroop
19		20NP1A0410	B.SRIKAVYA	
20		21NP5A0426	J.LEELA VENKATEWSARI	
21		20NP1A0420	G.HEMA LATHA	
22	VI	20NP1A0418	G.N. MALLESWARI	E.RaviKumar
23		20NP1A0404	A.POOJITHA	
24		20NP1A0443	A. SAI SRAVANTHI	
25		20NP1A0426	K.PRIYANKA	
26	VII	21NP5A0424	V. SRI MOUNIKA	Mrs.U.Krupa
27		20NP1A0405	A.D.BHAVGAVI	
28		20NP1A0403	A BHARGAVI	
29		20NP1A0433	N.NIKITHA	

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TECHNOLOGY FOR WOMEN
ENIKEPADU, VIJAYAWADA-521 108.

VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN

ENIKEPADU,VIJAYAWADA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

LISTOF IV BTECH II SEMESTER MAIN PROJECT BATCHES :2023-2024

S.No	RollNo	Name of the Student	Batch	Guide	Title
1	21NP5A0402	B.SHABANA	I	Dr.G.Chenchamma	Design of Advanced Encryption Standard using Verilog HDL
2	20NP1A0435	N.LAKSHMI SOWMYA			
3	21NP5A0410	K.N. SPANDANA			
4	21NP5A0420	SH.RAMYA			
5	20NP1A0417	D.GNANADEEPIKA			
6	21NP5A0427	T. VYSHNAVI	II	Dr.K.Murali	Automatic Billing Trolley for an Enhanced Supermarket using RFID
7	20NP1A0439	P.SRIJA			
8	20NP1A0445	SK.BASHIRUNNISA			
9	20NP1A0402	A.OM KEERTHI RATNAM			
10	20NP1A0441	P.MOHANASRI	III	Ms.K.Prasuna	Data-Driven Diagonis of Chronic Kidney Diseases
11	20NP1A0428	M.GAYATHRI			
12	20NP1A0424	K. DEVI LAKSHMI			
13	20NP1A0448	T.PRAVALLIKA			
14	21NP5A0403	CH. SAI SRI	IV	Mr.V.Devasahayam	OTP based bank locker system
15	21NP5A0414	M.S. HIMA VARSHA			
16	20NP1A0437	P.SAHITHI			
17	20NP1A0450	U.HARSHITHA			
18	20NP1A0407	B.THIRUMALA DEVI	V	Mr.B.MohanSwaroop	Women Safety Device With GPS
19	20NP1A0444	S.PRIYA REDDY			
20	20NP1A0401	A.NEELIMA			
21	21NP5A0426	J.LEELA VENKATEWSARI			
22	20NP1A0420	G.HEMA LATHA			
23	20NP1A0418	G.N. MALLESWARI	VI	E.RaviKumar	Automatic ticketing system
24	20NP1A0404	A.POOJITHA			
25	20NP1A0443	A. SAI SRAVANTHI			
26	20NP1A0426	K.PRIYANKA			
27	21NP5A0424	V. SRI MOUNIKA	VII	Mrs.U.Krupa	Blind stick using iot
28	20NP1A0405	A.D.BHAVGAVI			
29	21NP5A0413	K.KRANTHI			
30	20NP1A0433	N.NIKITHA			
31	20NP1A0416	D.VYSHNAVI			
32	21NP5A0422	T. KEERTHI NAYOMI	VIII	P.Jashuva	An error resilient applications empowerd by reversible ultra efficient approximate multiplier with error compensation
33	21NP5A0407	J.SOWMYA			
34	21NP5A0425	B.HARIKA BAI			
35	20NP1A0452	Y.DEVIKA NAGA SAI			
36	21NP5A0419	R. GOWTHAMI	IX	Dr.G.Chenchamma	Smart irrigation system using iot
37	21NP5A0409	K.PRASANNA			
38	21NP5A0416	P.KAVYA SRI			
39	21NP5A0408	K.DHANA LAKSHMI			

40	21NP5A0421	S. DIVYA SRI	X	Dr.K.Murali	Air pollution and whether detection using iot
41	21NP150406	G.TEJA SRI			
42	20NP1A0421	G.TEJASWINI			
43	20NP1A0429	M.MADHURIMA			
44	21NP5A0404	D. HARINI	XI	Ms.K.Prasuna	Adaptive Rate Polar Code for DCT-Based Digital Image Transmission
45	20NP1A0431	M. NAGA SRAVYA			
46	21NP5A0401	CH.N. MOHANA PRIYA			
47	20NP1A0449	T.SUCHITRA			
48	21NP5A0417	P. SIVA NAGA MANI	XII	Mr.V.Devasahayam	Electronic voting machine using Arduino
49	21NP5A0418	P.YASASWANI			
50	20NP1A0409	B.NAGA JYOTHI			
51	20NP1A0440	P.VIJAYA LAKSHMI			
52	20NP1A0446	SK. JAINABI	XIII	E.RaviKumar	Home automation using voice assistantnce
53	20NP1A0414	CH.BHAVYA			
54	20NP1A0427	K.MEGHANA			
55	20NP1A0412	B.THANMAYI			
56	20NP1A0447	T. ANUHYA	XIV	Mrs.U.Krupa	Constant-Time Synchronous Binary Counter with Minimal Clock Period
57	21NP5A0412	K.SRAVANTHI			
58	20NP1A0425	K.LAHARI			
59	20NP1A0423	K.SARUPYA			
60	21NP5A0415	N.S. CHANDRIKA	XV	P.Jashuva	FPGA implementation of efficient and low power test pattern generator using 64 bit
61	21NP5A0423	V.HIMASRI			
62	20NP1A0422	K.L. PRASANNA			
63	20NP1A0419	G.SRAVANI			
64	20NP1A0411	B DEEPIKA	XVI	Dr.K.Murali	"Two Efficient Approximate Unsigned Multipliers by Developing New Configuration for Approximate 4:2 Compressors"
65	20NP1A0410	B.SRI KAVYA			
66	20NP1A0434	N.NAGA VIJAYA LAXMI			
67	20NP1A0403	A.BHARGAVI			
68	21NP5A0411	K.KALA SRI	XVII	Ms.K.Prasuna	Carry disregard approximate multipliers
69	20NP1A0432	N.DEEPIKANJALI			
71	20NP1A0406	A.JAHNAVI			
72	20NP1A0408	B.LEHA SRI	XVIII	Ms.K.Prasuna	Design of ultra-low Power consumption approximate 4-2 compressors based on the compensation characteristic
73	20NP1A0415	CH.JYOSHIKA			
74	20NP1A0413	B.DEEPTHI			

VELAGAPUDI RAMAKRISHNA

SIDDHARTHA ENGINEERING COLLEGE

(AUTONOMOUS)

Vijayawada, Andhra Pradesh

(Sponsored by Siddhartha Academy of General & Technical Education)

Approved by AICTE | Affiliated to JNTUK Kakinada | Accredited by NAAC with A+ Grade | An ISO 21001:2018 Certified Institution

AFOSEC-2024

CERTIFICATE

This certificate is presented to Mr./Ms. K. Jyothi

Vijaya Institute of Technology for Women for his /her

participation/~~coordination~~ in the event Green Gyan

organized under **AFOSEC-2024** (Annual Festival of Siddhartha Engineering College) during

28th & 29th February 2024 at **Velagapudi Ramakrishna Siddhartha Engineering College,**

Vijayawada

J. Mallika
Faculty Coordinator

Dr. D. Rajeswara Rao
AFOSEC Convener
Professor & HOD, CSE

Dr. A.V. Ratna Prasad
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This certificate is awarded to

SREEKEERTHANA GARIGANTI

for successfully completing the course

Programming in Java

with a consolidated score of **64** %

Online Assignments	24.94/25	Proctored Exam	39.03/75

Total number of candidates certified in this course:**11713**

Jul-Oct 2023

(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

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KEPADU, VIJAYAWADA-521

FREE ONLINE EDUCATION swayam डिजिटल भारत, उन्नत भारत

Roll No: NPTEL23CS74S749800596 To verify the certificate No. of credits recommended: 3 or 4

Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

AREPALLI CHARITHA SRI

for successfully completing the course

Programming in Java

with a consolidated score of **66** %

Online Assignments	22.78/25	Proctored Exam	42.75/75

Total number of candidates certified in this course: **11713**

Jul-Oct 2023

(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

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FREE ONLINE EDUCATION swayam

Roll No: NPTEL23CS74S44983775 To verify the certificate No. of credits recommended: 3 or 4

Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

SUNKARA RAMYA

for successfully completing the course

Programming in Java

with a consolidated score of **75** %

Online Assignments	24.47/25	Proctored Exam	50.76/75

Total number of candidates certified in this course:**11713**

Jul-Oct 2023

(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

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FREE ONLINE EDUCATION swayam

Roll No: NPTEL23CS74S749800326 To verify the certificate No. of credits recommended: 3 or 4

Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

JAYALAKSHMI ADHIKARI

for successfully completing the course

Programming in Java

with a consolidated score of **76** %

Online Assignments	24.85/25	Proctored Exam	51.25/75

Total number of candidates certified in this course: **11713**

Jul-Oct 2023

(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

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FREE ONLINE EDUCATION swayam

Roll No: NPTEL23CS74S44983935 To verify the certificate No. of credits recommended: 3 or 4

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College Code:NP,Enikepadu,Vijayawada-521 108

LIST OF ACTIVITIES FOR SLOW LEARNERS:

1. Mentoring is provided to the identified students.
2. Special attention is given by conducting tutorial classes specifically for such students.
3. Communication skills classes are conducted to enhance their abilities.
4. A question bank is provided for each subject to aid in preparation.
5. Practice with previous question papers is encouraged to improve performance.
6. Remedial and Makeup classes are conducted for additional support.

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College Code: NP, Enikepadu, Vijayawada-521108

VITW/ECE/ISO/8.5.1/FT 08

RECORD OF TUTORIAL CLASS CONDUCTED

Department: ECE **A.Y:**2023-2024

Name of the Faculty: Dr.K.Murali **Year:** II B.Tech **Sem:** II

Title of the subject: Analog Communications **Subject code:** R2022043

This tutorial correspondents to Unit No's 1, 2, 3:

Q1 With neat sketch explain Frequency Division Multiplexing.

This question is related to objective 1.

Q2. Develop the equation of a single tone modulation of AM system and explain the power relations.

This question is related to objective 1.

Q3. With the help of waveforms and spectrum, describe the concept of Amplitude modulation both in time domain and frequency domain.

This question is related to objective 2.

Q4. List out the methods for generation of SSB-SC signal and explain any one of the method in detail.

This question is related to objective 2.

Q5. Find the various frequency components and their amplitudes in the voltage given by v (t) = 50 (1+ 0.7 Cos 5000t- 0.3 Cos 1000t) sin 5x106t. Draw the single sided spectrum. Also evaluate the modulated and sideband power.

This question is related to objective 2.

Q6. Explain the generation of DSB-SC signal using balanced modulator. Derive the expression for DSB-SC signal.

This question is related to objective 3.

Q7. A carrier signal c (t) = 10 Cos (2π.106t) is modulated by a message signal m (t) =2 Cos (8π.103t) to generate a DSB-SC signal. Sketch the spectrum, calculate the B.W and power.

This question is related to objective 3.

Q8. Distinguish between FM and PM by giving its mathematical analysis. With the help of waveforms and spectrum, describe the concept of FM.

This question is related to objective 3.

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Faculty / Date

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College Code: NP, Enikepadu, Vijayawada-521108

VITW/ECE/ISO/8.5.1/FT 08

RECORD OF TUTORIAL CLASS CONDUCTED

Department: ECE **A.Y:**2023-2024

Name of the Faculty: Dr.K.Murali **Year:** II B.Tech **Sem:** II

Title of the subject: Analog Communications **Subject code:** R2022043

This tutorial correspondents to Unit No's 3,4,5:

Q1 Describe the working principle of a balanced frequency discriminator for FM demodulation. Derive the expression for the output voltage of a balanced discriminator..

This question is related to objective 3.

Q2. List typical applications where FM is preferred over AM and explain why..

This question is related to objective 3.

Q3. How does negative feedback affect the stability and distortion in an AM transmitter?

This question is related to objective 4.

Q4. What factors affect the frequency stability of an FM transmitter

This question is related to objective 4.

Q5. Describe thermal noise, shot noise, and flicker noise

This question is related to objective 5.

Q6. Explain why angle modulation systems (FM and PM) have better noise performance than AM systems.

This question is related to objective 5.

Q7. Explain the purpose of pre-emphasis and de-emphasis in FM systems.

This question is related to objective 5.

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Faculty / Date

1. Name as per SSC Certificate : PARCHURI SAHITHI

2. Register No. : 20NPIA0437

3. Date of Birth : 03-06-2002

4. Father's Name : P. PUNDARI KAKSHIAH

5. Mother's Name : P. VANI

6. Reservation Category, if any : OC (KAPU) PH: Yes ☐ No ☑

7. Aadhaar Number : 640573101944

8. Address for Communication : 11-132, BANDALAICHERUVU, AVANIGADDA MANDEL, KRISHNA DIST

9. Permanent Address : 11-132. BANDALAICHERUVU, AVANIGADDA MANDEL, KRISHNA DIST

District KRISHNA Mandal AVANIGADDA

Village/ Municipality AVANIGADDA Ward 11

Village/Ward Secretariat name P. AJAY

Village/Ward Secretariat contact number 9154455718

10. Blood Group : B+ve

11. Parents' Occupation : FARMER

G. Chm
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VIJAYA INSTITUTE OF
TECHNOLOGY

12. Parents' Annual Income : FIFTY THOUSAND RUPEES ONLY/-

13. Student Bank Account No. : 22881201000742

14. Mother Bank Account No. : 31005521208 8

15. Past Academic Record :

SSC Register No. :

Sl. No.	Name of the Course	Name of the Institute	Percentage / CGPA	Class obtained	Scholarships if any
1.	S.S.C. / 10th	SRI CHAITANYA TECH -NO SCHOOL	9.0		
2.	Intermediate / 12th	S.V.L JUNIOR COLLEGE	7.78		
3.	Diploma				
4.	Other Qualifications				

16. Admission Type : Counselling ☑ Management ☐ Spot ☐

17. Scholarship : Yes ☑ No ☐

18. EAMCET / ECET / ICET / PGCET Rank :

19. Extra-Curricular Activities :

20. Hobbies : Watching TV, Reading books

21. Any other Achievements : -

22. Major Health Issues : -

23. E-mail id : Sahithiparchuri111@gmail.com

24. Telephone No. : 7995621675 WhatsApp No. : 7995621675

Father : 9849767430 Mother : 9381096769

P. Sahithi
Signature of the Student

Signature of the Parent

Signature of the Principal

G. Chm
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Student Academic Record

I YEAR - I SEMESTER INTERNAL MARKS

S.No.	Subject Name	Maximum Marks						Average 30	Percentage
		Assignment I	Quiz I	Mid I	Assignment II	Quiz II	Mid II		
1	M-I	5	2	6	5	3	8	16	53.33
2	CE	5	4	10	5	4	9	19	63.33
3	ED							24	80.00
4	CE(Lab)							13	86.67
5	PC	5	3	8	5	3	12	20	66.67
6	PC(Lab)							14	93.33
7	AC	5	2	5	5	3	8	16	53.33
8	AC(Lab)							13	86.67

I YEAR - I SEMESTER EXTERNAL MARKS

S.No.	Subject Name	Regular	Supplementary				Grade	Grade points (G)	No. of Credits (C)	Credit points
			1	2	3	4				
1	M-I	P					3	5	E	3
2	CE	P					3	6	D	3
3	ED	F	P				3	Ø3	P	Ø3
4	CE(Lab)	P					1.5	10	A+	1.5
5	PC	P					3	5	E	3
6	PC(Lab)	P					1.5	10	A+	1.5
7	AC	F	P				3	Ø3	P	Ø6
8	AC(Lab)	P					1.5	10	A+	1.5
Total										

Attendance Record

Month	I Jan - Feb	II Mar - Apr	III	IV	V	VI	VII	VIII	Overall Percentage
No. of hours conducted	238	490							
No. of hours attended	221	444							
Percentage of Attendance	92.8	92.4							92.4

Achievements / Distinctions :

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Student Academic Record

PRE MID - I

Problems faced by by the student	Finding difficulty in adapting to new environment
Measures taken by the mentor	The student is motivated to understand that life is a sequence of changes and adapting accordingly is inevitable

Student / Date: P. Sahithi Mentor / Date: K.K.Keerthi 1/3/21 HOD / Date: 1/3/21

POST MID - I

Problems faced by by the student	Telugu Medium background
Measures taken by the mentor	Student is motivated that concept clarity is more important and Language is not a barrier at all.

Student / Date: P. Sahithi Mentor / Date: K.K.Keerthi 5/4/21 HOD / Date: 5/4/21

PRE MID - II

Problems faced by by the student	Lack of communication skills
Measures taken by the mentor	The student is motivated to develop communication by participating in debates and group discussions frequently.

Student / Date: P. Sahithi Mentor / Date: K.K.Keerthi 24/4/21 HOD / Date: 24/4/21

POST MID - II

Problems faced by by the student	Lack of presentation skills
Measures taken by the mentor	The student is encouraged to prepare running notes in each class to improve presentation skills.

Student / Date: P. Sahithi 4/5/21 Mentor / Date: K.K.Keerthi 4/5/21 HOD / Date: 4/5/21

G.Chm
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CLASS TIME-TABLE

TUTORIAL CLASSES

Department /Program: ECE/B. Tech **Date** : 12-7-2023

Class/Semester: IV B. Tech I semester **Academic Year:** 2023-2024

DAY	1 (9.00 AM-9.45 AM)	2 (9.45 AM-10.30 AM)	3 (10.30 AM-11.15 PM)		4 (11.30 PM-12.15 PM)	5 (12.15 PM-1.00 PM)		6 (2.00 PM-2.45 PM)	7 (2.45-PM-3.30 PM)	8 (3.30-PM-4.15 PM
MON	H&S	DESIGNER TOOLS LAB			SC	YOGA		EM	IOT	OC(T)
TUE	INTERN SHIP	H&S	EM		INTERNSHIP			SC	GT(T)	GT
WED	INTERN SHIP	H&S	EM		INTERNSHIP			SC(T)	GT	GT
THURS	EM	IOT	H &S		OC	SC		LIB	GD	GAMES
FRI	IOT	OC	H&S		GD	IOT(T)		SC	DESIN ER TOOLS	EM
SAT	SC	H&S	SC		IOT	OC		EM(T)	GT	GT

Subject Code	Subject	Name Of The Faculty
R204104A	Optical Communication	Mrs.U.Krupa
R204104D	Satellite Communication	Mrs.P.Silpa
R204104I	Internet Of Things	Mr.V.Devasahayam
R204104R	Environmental Management	Mrs.J.Divya Jyothi
R204104Y	Green Technology	Mr.K.Swaroop
R204104R	Designer Tools	Dr.K.Murali,
R20410411	H & S	Mr.E.Shanthi
R204104Z	Designer Tools Lab	Dr..K. Murali, Dr.A.Posiyya
	Internship	Mrs.S.Ratna Spandana,K.P Prasanna Kumar

V.Devasahayam
TIME TABLE INCHARGE/ DATE

K.Prasanna
HOD /DATE

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COLLEGE CODE: NP, Phone: 0866-2844444, Email: vijayatechfw@gmail.com, Web: vitw.in

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LINEAR ALGEBRA AND CALCULUS
QUESTION BANK
UNIT-I : MATRICES

Define the rank of the matrix (Jan 24)

b) If the matrix of order mxn , then that would be the rank of the matrix (Jan 24)

c) Find the rank of the singular matrix of order 4×4 (Jan 24)

d) The rank of 2×2 matrix with all elements are 3. (Jan 24)

RANK BY ECHELON FORM:

Writing the working procedure to reduce the given matrix into Echelon form

Reduce the following matrices to Echelon form and find its rank

1. $\begin{bmatrix} 1 & 2 & 3 & 0 \\ 2 & 4 & 3 & 2 \\ 3 & 2 & 1 & 3 \\ 6 & 8 & 7 & 5 \end{bmatrix}$ (Ans:3)

2. $\begin{bmatrix} 2 & 1 & 3 & 5 \\ 4 & 2 & 1 & 3 \\ 8 & 4 & 7 & 13 \\ 8 & 4 & -3 & -1 \end{bmatrix}$ (2022 Ans:2)

3. $\begin{bmatrix} 10 & -2 & 3 & 0 \\ 2 & 10 & 2 & 4 \\ -1 & -2 & 10 & 1 \\ 2 & 3 & 4 & 9 \end{bmatrix}$ (Ans:4)

4. $\begin{bmatrix} -1 & -3 & 3 & -1 \\ 1 & 1 & -1 & 0 \\ 2 & -5 & 2 & -3 \\ -1 & 1 & 0 & 1 \end{bmatrix}$ (Ans:4)

5. $\begin{bmatrix} 3 & 1 & 4 & 6 \\ 2 & 1 & 2 & 4 \\ 4 & 2 & 5 & 8 \\ 1 & 1 & 2 & 2 \end{bmatrix}$ (Ans:)

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6. $\begin{bmatrix} 1 & 4 & 3 & -2 & 1 \\ -2 & -3 & -1 & 4 & 3 \\ -1 & 6 & 7 & 2 & 9 \\ -3 & 3 & 6 & 6 & 12 \end{bmatrix}$ (2022 A:2)

7. $\begin{bmatrix} 2 & -4 & 3 & -1 & 0 \\ 1 & -2 & -1 & -4 & 2 \\ 0 & 1 & -1 & 3 & 1 \\ 4 & -7 & 4 & -4 & 5 \end{bmatrix}$ (2022 Ans:4)

8.A= $\begin{bmatrix} 1 & 2 & 32 \\ 2 & 3 & 51 \\ 1 & 3 & 45 \end{bmatrix}$

9. $\begin{bmatrix} 1 & 2 & -1 & 4 \\ 2 & 4 & 3 & 5 \\ -1 & -2 & 6 & -7 \end{bmatrix}$

10. $\begin{bmatrix} 2 & -1 & 3 & 4 \\ 0 & 3 & 4 & 1 \\ 2 & 3 & 7 & 5 \\ 2 & 5 & 11 & 6 \end{bmatrix}$

11. $\begin{bmatrix} 2 & 1 & 3 & 5 \\ 4 & 2 & 1 & 3 \\ 8 & 4 & 7 & 13 \\ 8 & 4 & -3 & -1 \end{bmatrix}$

13. $\begin{bmatrix} 1 & 2 & 3 \\ 2 & -2 & 1 \\ 3 & 0 & 4 \end{bmatrix}$

14) $\begin{bmatrix} 2 & 3 & -1 & -1 \\ 1 & -1 & -2 & -4 \\ 3 & 1 & 3 & -2 \\ 6 & 3 & 0 & -7 \end{bmatrix}$

15). $\begin{bmatrix} 1 & 1 & -1 & 1 \\ 1 & -1 & K & -1 \\ 3 & 1 & 0 & 1 \end{bmatrix}$ if rank of matrix is 2 find K

16 $\begin{bmatrix} 2 & 1 & 3 & -6 \\ 2 & -3 & 1 & 2 \\ 1 & 1 & 1 & 2 \end{bmatrix}$ (Jan 24)

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NORMAL FORM

Writing the working procedure to reduce the given matrix into Normal form

Reduce the following matrices into Normal form :

1. $\begin{bmatrix} 4 & 3 & 2 & 1 \\ 5 & 1 & -1 & 2 \\ 0 & 1 & 2 & 3 \\ 1 & -1 & 3 & -2 \end{bmatrix}$ (Ans: 4)

2. $\begin{bmatrix} 1 & 2 & 3 & 0 \\ 2 & 4 & 3 & 2 \\ 3 & 2 & 1 & 3 \\ 6 & 8 & 7 & 5 \end{bmatrix}$ (Ans:3)

3. $\begin{bmatrix} 2 & 1 & 3 & 4 \\ 0 & 3 & 4 & 1 \\ 2 & 3 & 7 & 5 \\ 2 & 5 & 11 & 6 \end{bmatrix}$ (Ans:3)

4. $\begin{bmatrix} 2 & -2 & 0 & 6 \\ 4 & 2 & 0 & 2 \\ 1 & -1 & 0 & 3 \\ 1 & -2 & 1 & 2 \end{bmatrix}$ (Ans:3)

5. $\begin{bmatrix} 8 & 1 & 3 & 6 \\ 0 & 3 & 2 & 2 \\ -8 & -1 & -3 & 4 \end{bmatrix}$ (Ans:3)

6. $\begin{bmatrix} 1 & 4 & 3 & -2 & 1 \\ -2 & -3 & -1 & 4 & 3 \\ -1 & 6 & 7 & 2 & 9 \\ -3 & 3 & 6 & 6 & 12 \end{bmatrix}$ (Ans: 2)

7. $\begin{bmatrix} 3 & -2 & 0 & -1 \\ 0 & 2 & 2 & 1 \\ 1 & -2 & -3 & 2 \\ 0 & 1 & 2 & 1 \end{bmatrix}$

8. $\begin{bmatrix} 3 & 2 & 1 & 5 \\ 2 & 3 & 4 & 6 \\ 3 & 5 & 6 & 10 \end{bmatrix}$

9. $\begin{bmatrix} 1 & 7 & 8 & 1 \\ 1 & 3 & 4 & 2 \\ 3 & 5 & 6 & 10 \end{bmatrix}$

10. $\begin{bmatrix} 2 & 6 & 8 & 2 \\ 1 & 3 & 4 & 1 \\ 3 & 5 & 6 & 10 \end{bmatrix}$

11. $\begin{bmatrix} 1 & 2 & 2 & 4 \\ 2 & 3 & 4 & 6 \\ 3 & 5 & 6 & 10 \\ -1 & 1 & -2 & -2 \end{bmatrix}$

12. $\begin{bmatrix} 1 & 2 & 3 & -2 \\ 2 & -2 & 1 & 3 \\ 3 & 0 & 4 & 1 \end{bmatrix}$

13. $\begin{bmatrix} 0 & 1 & -3 & -1 \\ 1 & 0 & 1 & 1 \\ 3 & 1 & 0 & 2 \\ 1 & 1 & -2 & 0 \end{bmatrix}$

14. $\begin{bmatrix} 0 & 1 & 2 & -2 \\ 4 & 0 & 2 & 6 \\ 2 & 1 & 3 & 1 \end{bmatrix}$ (2021)

15. Find the rank of the matrix using Normal form $\begin{matrix} 1 & 3 & 6 & -1 \\ 1 & 4 & 5 & 1 \\ 1 & 5 & 4 & 3 \end{matrix}$ (Jan24)

GAUSS JORDAN METHOD

Find the inverse using Gauss-Jordan method $A = \begin{bmatrix} 1 & 1 & 3 \\ 1 & 3 & -3 \\ -2 & -4 & -4 \end{bmatrix}$

Find the inverse using Gauss-Jordan method $\begin{bmatrix} 2 & -1 & 3 \\ 1 & 1 & 1 \\ 1 & -1 & 1 \end{bmatrix}$ (Jan 24)

Find the inverse using Gauss-Jordan method $\begin{bmatrix} 2 & 3 & 1 \\ 1 & 1 & 2 \\ 1 & 2 & 3 \end{bmatrix}$ (Jan 24)

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PAQ FORM:

Find non-singular matrices P&Q such that PAQ is in the normal form for the matrices. Hence find the rank of A:

1. $\begin{bmatrix} 1 & 1 & 3 \\ 1 & 3 & -3 \\ -2 & -4 & -4 \end{bmatrix}$ (Ans:3) 2. $\begin{bmatrix} 1 & 1 & 2 \\ 1 & 2 & 3 \\ 0 & -1 & -1 \end{bmatrix}$ (Ans:2) 3. $\begin{bmatrix} 2 & -1 & 3 \\ 1 & 1 & 1 \\ 1 & -1 & 1 \end{bmatrix}$ (Ans:3)

Use Gauss-Jordan method to find the inverse of the following matrices:

1. $\begin{bmatrix} 1 & 1 & 3 \\ 1 & 3 & -3 \\ -2 & -4 & -4 \end{bmatrix}$ Ans: $\begin{bmatrix} 3 & 1 & 3/2 \\ -5/4 & -1/4 & -3/4 \\ -1/4 & -1/4 & -1/4 \end{bmatrix}$ 2. $\begin{bmatrix} 1 & 0 & 1 \\ -2 & 1 & 0 \\ 0 & -1 & 1 \end{bmatrix}$ Ans: $\begin{bmatrix} 1/3 & -1/3 & -1/3 \\ 2/3 & 1/3 & -2/3 \\ 2/3 & 1/3 & 1/3 \end{bmatrix}$

3. $\begin{bmatrix} -1 & -3 & 3 & -1 \\ 1 & 1 & -1 & 0 \\ 2 & -5 & 2 & -3 \\ -1 & 1 & 0 & 1 \end{bmatrix}$

SYSTEM OF NON-HOMOGENEOUS EQUATIONS:

Define linear system of equations (jan 24)

What type of the solutions exists for $2x+3y=5,\ 4x+6y=10$ system? (Jan 24)

1. Solve x+2y-z= 3 ,3x-y+2z=-1 , 2x-2y+3z=2 , x-y+z=-1 Ans:inconsistent

2. Find whether the following equations are consistent,if so, solve them

x+y+2z= 4 , 2x-y+3z=9 , 3x-y-z=2. Ans: $\begin{bmatrix} 1 \\ -1 \\ 2 \end{bmatrix}$

2.b. Test the consistency, if so, solve the system of equations

$x+y+z=6,\ x+2y+3z=10,\ x+2y+3z=5$ (Jan 24)

c) Test the consistency, if so, solve the system of equations

$x+y+z+t=4,\ x-z+2t=2,\ y+z-3t=-1,\ x+2y-z+t=3.$ (Jan 24)

3. Show that the system of equations 3x+3y+2z= 1 , x+2y=4 , 10y+3z=-2 , 2x-3y-z=5 is consistent and hence solve it. Ans: $\begin{bmatrix} 2 \\ 1 \\ -4 \end{bmatrix}$

4. Solve x+2y+z= 14 ,3 x+4y+z=11 , 2x+3y+z=11 ,. Ans:inconsistent

5. Solve x+y+z=3,3 x-5y+2z=8 , 5x-3y+4z=14 ,. Ans: $\begin{bmatrix} 23/8 \\ 1/8 \\ 0 \end{bmatrix} + k \begin{bmatrix} -7/8 \\ -1/8 \\ 1 \end{bmatrix}$

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6.Solve x-y+2z+t-2=0,3x+2y+t-1=0 , 4x+y+2z+2t-3=0 ,. Ans: $\begin{bmatrix}1\\-1\\0\\0\end{bmatrix} + k_1\begin{bmatrix}-4/5\\6/5\\1\\0\end{bmatrix} + k_2\begin{bmatrix}-3/5\\2/5\\0\\1\end{bmatrix}$

6b) If consistent, Solve x+y+z+t=4,x-z+2t=2,y+z-3t=-1,x+2y-z+t=3,.

7. Find the values of a &b for which the equations x+ay+z=3,x+2y+2z=b, x+5y+3z=9 are consistent. When will these equations has a unique solution?Ans: if the system is consistent, a=-1,b=6&unique sol if $a \neq -1$

8.Investigate for what values of λ&μ the simultaneous equations x+y+z=6, x+2y+3z=10 x+2y+ λ z=μ have i) no solution ii) unique solution iii) infinitely many solutions

9. Find values of a &b for which the equations x+y+z=3,x+2y+2z=6, x+ay+3z=b have unique solution.

10. Find for what values of a, the equations x+y+z=1,x+2y+4z=a, x+4y+10z=a^2 have a solution.
11. S.T the system of equations is consistent 2x-y-z= 2 , x+2y+z=2 , 4x-7y-5z=2 and solve.
12. Show that the system of equations x+2y-5z= -9 , 3x-y+2z=5 , 2x+ 3y-z=3 , 4x-5y+z=-3 is consistent and hence solve it
13.Show that the system of equations x+y+z= 6 , x-y+2z=5 , 3x+ y+z=-8 is consistent and hence solve (2021)
14. Find the values of 'a' and 'b' for which the system of equations
x+y+z=3, x+2y+2z= 6, x+ay+3z=b has a unique solution. (Jan 24)

15.Test the consistency, if so, solve the system of equations
5x +3y+7z=4, 3x +26y+2z=9, 7x+2y+10z=5. (Jan 24)

SYSTEM OF HOMOGENEOUS EQUATIONS:

Write the condition for the homogeneous system of equations possess trivial solutions. (Jan 24)

1. Solve the system of equations 4x+2y+z+3w= 0,6x +3y+4z+7w=0,2x+y+w=0 Ans: : $\begin{bmatrix}l\\-2l-m\\-m\\m\end{bmatrix}$

2. Solve the system of equations x+y+w= 0,y+z=0,x+y+z+w=0, x+y+2z=0. Ans: *zero solution*

3. Determine b such that system of homogeneous equations 2x+y+2z=0,x+y+3z=0,4x+3y+bz=0 has trivial and non-trivial solutions. Find the non-trivial solution. Ans.k $\begin{bmatrix}1\\-4\\1\end{bmatrix}$

4. Determine whether the following system of equations will have a non-trivial solution, if so solve them.3x+4y-z-6w= 0,2x +3y+2z-3w=0,2x+y-14z-9w=0,x +3y+13z+3w=0 . Ans: $\begin{bmatrix}6k_1+11k_2\\-3k_1-8k_2\\k_2\\k_1\end{bmatrix}$

5. Show that there is one real values of λ for which the following equations
x+2y+3z= λ x, 3x+y+2z= λy, 2x+3y+ z=λz has non-zero sol is 6 and solve them when $\lambda = 6$. (2021)

6.Determine the values of k for which the following system of equations will have a non-trivial solutions and find them.
(k-1)x+(4k-2)y+(k+3)z=0,(k-1)x+(3k+1)y+2kz=0,2x+(3k+1)y+(3k-3)z=0Ans:k=0,3. When k=0 ,x=y=z,when k=3, three equations become identical.
7.Solve the system of equations $x+2y+3z=0,\ 3x+4y+4z=0,\ 7x+10y+12z=0$. (Jan 24)

8. Solve the system of equations $x+3y-2z=0,,\ 2x-y+4z=0,\ 7x+10y+12z=0$. (Jan 24)

DIRECT METHODS:
GAUSS ELIMINATION METHOD:

1.Solve the system of equations 3x+y+2z=3 , 2x -3y-z=-3 ,x+2y+z=4 . Ans:: $\begin{bmatrix} 1 \\ 2 \\ -1 \end{bmatrix}$

2.Solve the system of equations 2x+y+z=10,3x +2y+3z=18,x+4y+9z=16. Ans:: $\begin{bmatrix} 7 \\ -9 \\ 5 \end{bmatrix}$

3. Solve the system of equations x+2y+3z=1 , 2x +3y+8z=2 ,x+y+z=3 . Ans:: $\begin{bmatrix} 9/2 \\ -1 \\ -1/2 \end{bmatrix}$

b) Solve the system of equations x+y+z=8 , 2x +3y+2z=19 ,4x+2y+3z=23

4. Express the following system in matrix form and solve them by Gauss elimination method
$2x_1 + x_2 + 2x_3 + x_4 = 6,\ 6x_1 - 6x_2 + 6x_3 + 12x_4 = 36,\ 4x_1 + 3x_2 + 3x_3 - 3x_4 = -1,$
$2x_1 + 2x_2 - x_3 + x_4 = 10$

5. Solve the system of equations x-y+2z=4 , 3x +y+4z=6 ,x+y+z=1 by Gauss elimination method
6. Solve the system of equations using Gauss elimination method_
$10x+y+z=12,\ 2x+10y+z=13,\ x+y+5z=7$. (Jan 24)
7. Solve the system of equations using Gauss elimination method
$3x+y+2z=3,\ 2x-3y-z=-3,\ x+2y+z=4$. (Jan 24)

GAUSS –JACOBI METHOD:

1. Solve the system of equations 20x+y-2z=17 , 3x +20y-z=-18 , 2x-3y+20z=25.
2 Solve the system of equations 10x+y+z=12 , 2x +10y+z=13 ,2x+2y+10z=14
3 Solve the system of equations 10x+y+z=12 , 2x +10y+z=13 ,x+y+5z=7
4*Solve the system of equations 8x-3y+2z=20 , 4x +11y-z=33 ,6x+3y+12z=35

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GAUSS -SEIDAL METHOD:

1. Solve the system of equations $10x+y+z=12$, $2x+10y+z=13$,$2x+2y+10z=14$. Ans:: $\begin{bmatrix}1\\1\\1\end{bmatrix}$

2. Solve the system of equations $27x+6y-z=85$, $6x+15y+2z=72$,$x+y+54z=110$. Ans:: $\begin{bmatrix}2.425\\3.573\\1.926\end{bmatrix}$

3. Solve the system of equations $8x-3y+2z=20$, $4x+11y-z=33$,$6x+3y+12z=36$ correct to three decimal places.

4. Solve the system of eq's $10x-2y-z-u=3$,$-2x+10y-z-u=15$,$-x-y+10z-2u=27$,$-x-y-2z+10u=-9$.Ans: $\begin{bmatrix}1\\2\\3\\0\end{bmatrix}$

5Solve the system of equations $x+10y+z=6$, $10x+y+z=6$, $x+y+10z=6$

6.Solve the system of equations $20x+2y+6z=28$, $x+20y+9z=-23$,$2x-7y-20z=-57$

7.Solve the system of equations $25x+2y+2z=69$, $2x+10y+z=63$,$x+y+z=43$

8. Solve the system of equations $10x+y+z=12,\ x+10y-z=10,\ x-2y+10z=9$ *(jan 24)*

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UNIT-II EIGEN VALUES , EIGEN VECTORS AND ORTHOGANAL TRANSFORMATIONS

EIGEN VALUES AND EIGEN VECTORS:

- Prove that the sum of the eigen values of a square matrix is equal to its trace and product of the eigen values of a square matrix is equal to its determinant. (2021)
- P.T if λ is an eigen value of a matrix A ,thenλ^n is an eigen value of the matrix A^n .

1a)P.T if λ is an eigen value of a matrix A ,thenλ^{-1} is an eigen value of the matrix A^{-1} if it exists.

b) P.T if λ is an eigen value of a matrix A ,then$\frac{|A|}{\lambda}$ is an eigen value of Adj A.

c) Find the eigen value of a matrix A , if the eigen value of Adj A.

d) Prove that AB and BA has same Eigen values .

e) Find the Eigen values of A^T If 1 and 2 are the Eigen values of A. (Jan 24)

2)Find the eigen values of the matrix $\begin{bmatrix}4 & 2\\1 & 5\end{bmatrix}$

b) Find the sum of the Eigen values of matrix $\begin{bmatrix}1 & 2\\2 & 4\end{bmatrix}$(Jan 24)

c) Find the product of the Eigen values of $\begin{bmatrix}2 & 2\\2 & 6\end{bmatrix}$ (Jan 24)

d) Find the Eigen vector corresponding to $\lambda = 5$ for the matrix $\begin{bmatrix}3 & 1 & 4\\0 & 2 & 4\\0 & 0 & 5\end{bmatrix}$ (Jan 24)

e. If 5 is an Eigen value of A the find the Eigen value of 4A+5I (Jan 24)

2a. Find the eigen values and corresponding eigen vectors of the matrix A= $\begin{bmatrix}8 & -6 & 2\\-6 & 7 & -4\\2 & -4 & 3\end{bmatrix}$

(Ans: 0,3,15& $\begin{bmatrix}1\\2\\2\end{bmatrix}, \begin{bmatrix}-2\\-1\\2\end{bmatrix}, \begin{bmatrix}2\\-2\\1\end{bmatrix}$)

2(b). Find the eigen values and corresponding eigen vectors of the matrix $\begin{bmatrix}3 & 10 & 5\\-2 & -3 & -4\\3 & 5 & 7\end{bmatrix}$

3. Find the characteristic values and corresponding characteristic vectors of the matrix A= $\begin{bmatrix}6 & -2 & 2\\-2 & 3 & -1\\2 & -1 & 3\end{bmatrix}$ (Ans: 2,2,8& $\begin{bmatrix}1\\2\\0\end{bmatrix}, \begin{bmatrix}-1\\0\\2\end{bmatrix}, \begin{bmatrix}2\\-1\\1\end{bmatrix}$)

3(a)$\begin{bmatrix}2 & 3 & -2\\-2 & 1 & 1\\1 & 0 & 2\end{bmatrix}$ (b)$\begin{bmatrix}-3 & -7 & -5\\2 & 4 & 3\\1 & 2 & 2\end{bmatrix}$ c.* $\begin{bmatrix}1 & 2 & -2\\1 & 1 & 1\\1 & 3 & -1\end{bmatrix}$ *d.$\begin{bmatrix}6 & 3 & 2\\-2 & 3 & -1\\2 & -1 & 3\end{bmatrix}$

*e .$\begin{bmatrix}-3 & -7 & -5\\2 & 4 & 3\\1 & 2 & 2\end{bmatrix}$

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4. Find the Latent roots and corresponding Latent vectors of the matrix $A=\begin{bmatrix}3 & 1 & 4\\ 0 & 2 & 6\\ 0 & 0 & 5\end{bmatrix}$

(Ans: 3,2,5&$\begin{bmatrix}1\\0\\0\end{bmatrix},\begin{bmatrix}1\\1\\0\end{bmatrix},\begin{bmatrix}3\\2\\1\end{bmatrix}$)

5. Find the eigen values and eigen vectors of A^{-1} where

matrix $A=\begin{bmatrix}-2 & 2 & -3\\ 2 & 1 & -6\\ -1 & -2 & 0\end{bmatrix}$ (Ans: 1/5,-1/3,-1/3&$\begin{bmatrix}1\\2\\-1\end{bmatrix},\begin{bmatrix}2\\-1\\0\end{bmatrix},\begin{bmatrix}3\\0\\1\end{bmatrix}$)

b. Determine the Eigen values of A^{-1} where A = = $\begin{bmatrix}1 & 0 & -1\\ 1 & 2 & 1\\ 2 & 2 & 3\end{bmatrix}$ (Jan 24)

6. Verify that sum of eigen values is equal to trace of A for the matrix A=$\begin{bmatrix}3 & -1 & 1\\ -1 & 5 & -1\\ 1 & -1 & 3\end{bmatrix}$ and

the corresponding eigen vectors. (Ans: 2,3,6&$\begin{bmatrix}1\\0\\-1\end{bmatrix},\begin{bmatrix}1\\1\\1\end{bmatrix},\begin{bmatrix}1\\-2\\1\end{bmatrix}$)

7. Determine the algebraic multiplicity and geometric multiplicity of $\begin{bmatrix}3 & 10 & 5\\ -2 & -3 & -4\\ 3 & 5 & 7\end{bmatrix}$

8. Determine the eigen values of $adjA$ where $A=\begin{matrix}-3 & -7 & -5\\ 2 & 4 & 3\\ 1 & 2 & 2\end{matrix}$ Jan 24)

9. Find the Eigen values of A^2 if A= $\begin{bmatrix}-1 & 0 & 2\\ -1 & 2 & 0\\ -1 & 0 & 2\end{bmatrix}$ Jan 24)

10. Find the Eigen values A^3 if A=$\begin{bmatrix}3 & -2 & 2\\ 6 & -4 & 6\\ 2 & -1 & 3\end{bmatrix}$ Jan 24)

DIAGONALIZATION OF A MATRIX:

1. Diagonalize the matrix A = $\begin{bmatrix}3 & -1 & 1\\ -1 & 5 & -1\\ 1 & -1 & 3\end{bmatrix}$ and find A^4 by using modal matrix P. (Jan 24)

(Ans: $P=\begin{bmatrix}1/\sqrt{2} & 1/\sqrt{3} & 1/\sqrt{6}\\ 0 & 1/\sqrt{3} & -2/\sqrt{6}\\ -1/\sqrt{2} & 1/\sqrt{3} & 1/\sqrt{6}\end{bmatrix}$ & $A^4=\begin{bmatrix}251 & -405 & 235\\ -405 & 891 & -405\\ 235 & -405 & 251\end{bmatrix}$)

b. . Diagonalize the matrix A = $\begin{bmatrix}2 & 2 & -7\\ 2 & 1 & 2\\ 0 & -1 & 3\end{bmatrix}$ and find A^4 by using modal matrix P. (Jan 24)

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2. Diagonalize the matrix $\begin{bmatrix}8 & -8 & -2\\ 4 & -3 & -2\\ 3 & -4 & 1\end{bmatrix}$ (Ans:$D=\begin{bmatrix}3 & 0 & 0\\ 0 & 1 & 0\\ 0 & 0 & 2\end{bmatrix}$)

3. Find a matrix P which transforms the matrix $\begin{bmatrix}1 & 0 & -1\\ 1 & 2 & 1\\ 2 & 2 & 3\end{bmatrix}$ to diagonal form. Hence evaluate A^4. Find eigen values and eigen vectors of given matrix A.

(Ans:$P=\begin{bmatrix}1 & -2 & -1\\ -1 & 1 & 1\\ 0 & 2 & 2\end{bmatrix}$, $A^4=\begin{bmatrix}-49 & -50 & -40\\ 65 & 66 & 40\\ 130 & 130 & 81\end{bmatrix}$,E.Val:1,2,3&E.V: $\begin{bmatrix}1\\ -1\\ 0\end{bmatrix},\begin{bmatrix}-2\\ 1\\ 2\end{bmatrix},\begin{bmatrix}-1\\ 1\\ 2\end{bmatrix}$)

4. Is the matrix $\begin{bmatrix}3 & 10 & 5\\ -2 & -3 & -4\\ 3 & 5 & 7\end{bmatrix}$ is Diagonalizable?

5. Find the orthogonal matrix P such that A is diagonolize where A is the matrix $\begin{bmatrix}2 & 0 & 4\\ 0 & 6 & 0\\ 4 & 0 & 2\end{bmatrix}$

(2021)

CAYLEY-HAMILTON THEOREM:

1. State and prove Cayley-Hamilton theorem.

2. Verify Cayley-Hamilton theorem for the matrix A= $\begin{bmatrix}1 & 2 & 3\\ 2 & 4 & 5\\ 3 & 5 & 6\end{bmatrix}$ and find A^{-1} Jan 24)

3. Verify Cayley-Hamilton theorem for the matrix A and find A^{-1} for the following matrices:

i) A=$\begin{bmatrix}1 & 0 & 3\\ 2 & -1 & -1\\ 1 & -1 & 1\end{bmatrix}$ (Ans:$\frac{1}{5}\begin{bmatrix}2 & 3 & -3\\ 3 & 2 & -7\\ 1 & -1 & 1\end{bmatrix}$) ii) A=$\begin{bmatrix}1 & 2 & 1\\ 0 & 1 & -1\\ 3 & -1 & 1\end{bmatrix}$ (Ans:$\frac{1}{9}\begin{bmatrix}0 & 3 & 3\\ 3 & 2 & 4\\ 3 & -7 & -1\end{bmatrix}$)

iii) A=$\begin{bmatrix}1 & 0 & 3\\ 2 & 1 & -1\\ 1 & -1 & 1\end{bmatrix}$ *iv)* $\begin{bmatrix}1 & 0 & 3\\ 2 & 1 & -1\\ 2 & -1 & 1\end{bmatrix}$ Jan 24) v) A = $\begin{bmatrix}1 & 4\\ 2 & 3\end{bmatrix}$

4. Verify Cayley-Hamilton theorem for the matrix A and find A^{-1} *and* A^4 for the following matrices:

i) A=$\begin{bmatrix}7 & 2 & -2\\ -6 & -1 & 2\\ 6 & 2 & -1\end{bmatrix}$ (Ans:$A^{-1}=\frac{1}{3}\begin{bmatrix}-3 & -2 & 2\\ 6 & 5 & -2\\ -6 & -2 & 5\end{bmatrix}$& $A^4=\begin{bmatrix}241 & 80 & -80\\ -240 & -79 & 80\\ 240 & 80 & -79\end{bmatrix}$)

ii) A=$\begin{bmatrix}1 & -2 & 2\\ 1 & 2 & 3\\ 0 & -1 & 2\end{bmatrix}$ (Ans:$A^{-1}=\frac{1}{9}\begin{bmatrix}7 & 2 & -10\\ -2 & 2 & -1\\ -1 & 1 & 4\end{bmatrix}$& $A^4=\begin{bmatrix}-23 & 16 & -112\\ -20 & -79 & 0\\ -12 & 8 & -55\end{bmatrix}$)

iii) A=$\begin{bmatrix}1 & 2 & -1\\ 2 & 1 & -2\\ 2 & -2 & 1\end{bmatrix}$ (Ans:$A^{-1}=\frac{1}{3}\begin{bmatrix}1 & 0 & 1\\ 2 & -1 & 0\\ 2 & -2 & 1\end{bmatrix}$& $A^4=\begin{bmatrix}9 & 72 & -72\\ 0 & 81 & -72\\ 0 & 0 & 9\end{bmatrix}$)

Code No: R2021043 **R20** SET - 1

II B. Tech I Semester Regular/Supplementary Examinations, December-2023
SIGNALS AND SYSTEMS
(Com to ECE, EIE, ECT)

Time: 3 hours Max. Marks: 70

Answer any **FIVE** Questions each Question from each unit
All Questions carry **Equal** Marks

UNIT-I

1 a) Define a signal? Determine even and odd components of the following signals? [7M]
i) $x(t) = \cos t + \sin t + \sin t \cos t$ ii) $x(t) = (1 + t^3)\cos^3 10t$

b) How an arbitrary function $x(t)$ can be expressed using set of mutual orthogonal functions? Explain. [7M]

OR

2 a) A continuous time signal $x(t)$ shown in Fig 1. Apply the following operations and sketch, label carefully. [7M]
i) $x\left(\frac{3t}{2}\right)$ ii) $x(t-2)$ iii) $x(2t+3)$

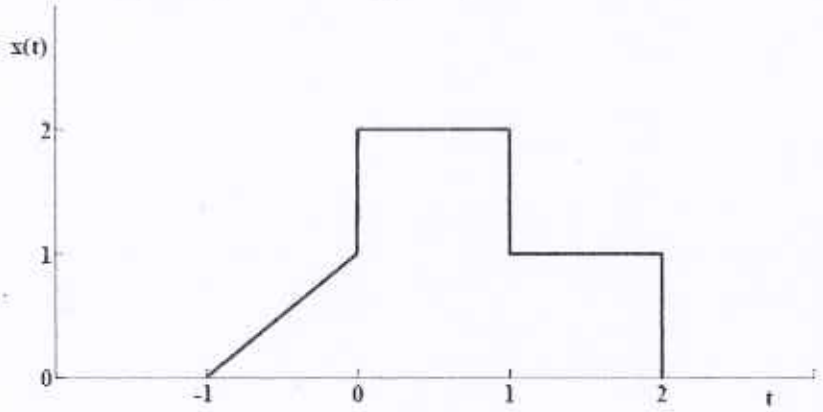

Fig 1

b) Explain the analogy between vectors and signals. [7M]

UNIT-II

3 a) Show that the trigonometric Fourier series representation of even periodic function contains only cosine terms. [7M]

b) By use of suitable property of Fourier transform, find the Fourier transform of the signal [7M]

$$x(t) = \frac{1}{t}$$

Also, sketch its magnitude spectrum

OR

4 a) Determine the trigonometric Fourier series coefficients of the periodic waveform shown in Fig. 2? [8M]

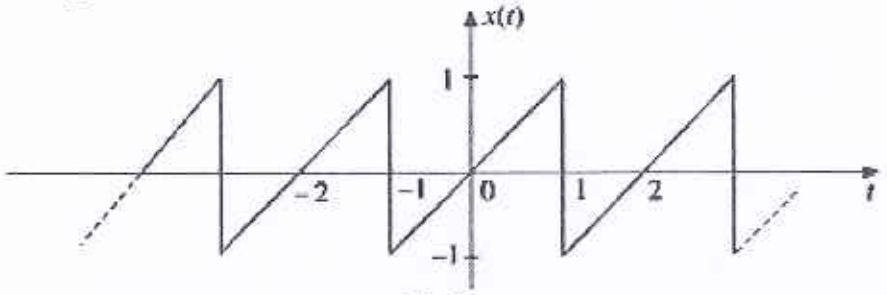

Fig 2.

b) State the time scaling and Duality properties of Fourier transform. [6M]

UNIT-III

5 a) The input and impulse responses of a system are given as $x(t) = e^{-3t}u(t)$ and $h(t) = u(t+3)$. Find the response of a system $y(t)$. [8M]

b) Explain about LTI and LTV systems. [6M]

OR

6 a) Explain the filter characteristics of ideal LPF and BPF with neat sketches. [7M]

b) Define Causality and physically realizability of a system. Also, discuss about Paley-wiener criteria. [7M]

UNIT-IV

7 a) Derive the relation between autocorrelation and energy spectral density of an energy signal? [7M]

b) Determine the Nyquist rate and Nyquist interval of the following signals. [7M]
i) $x(t) = \text{Sinc}(500\pi t) + 5\,\text{sinc}^2(180\pi t)$ ii) $x(t) = 10\text{sinc}^2(250\pi t)$

OR

8 a) List out the properties power spectral density (PSD). [7M]

b) With neat diagrams, explain the concept of flat-top sampling. [7M]

UNIT-V

9 a) Determine the inverse Laplace transform of [7M]

$$X(s) = \frac{s+1}{s^2+5s+6}, \qquad -3 < Re\{s\} < -2$$

b) State and prove scaling in z-domain property of z-transform. [7M]

OR

10 a) State and prove the time differentiation property in Laplace transform. [7M]

b) Find the z-transform of the signal, $x(n) = \left(\frac{1}{2}\right)^n u(n) + 2^n u(-n-1)$. Also, plot its ROC. [7M]

Code No: R2021043 **R20** SET - 2

II B. Tech I Semester Regular/Supplementary Examinations, December-2023
SIGNALS AND SYSTEMS
(Com to ECE, EIE, ECT)

Time: 3 hours Max. Marks: 70

Answer any **FIVE** Questions each Question from each unit
All Questions carry **Equal** Marks

UNIT-I

1 a) Define and sketch the unit step function and signum function? Bring out the relation between these two functions. [7M]

b) Consider the complex valued exponential signal [7M]

$$x(t) = A\, e^{\alpha t + j\omega t}, \qquad \alpha > 0$$

Evaluate the real and imaginary components of $x(t)$ for the following
i) α real, $\alpha = \alpha_1$ ii) α complex, $\alpha = \alpha_1 + j\omega_1$

OR

2 a) A triangular pulse $x(t)$ is shown in Fig 1. Sketch the following signals. [7M]
i) $x(3t)$ ii) $x(3t+2)$ iii) $x(-2t-1)$

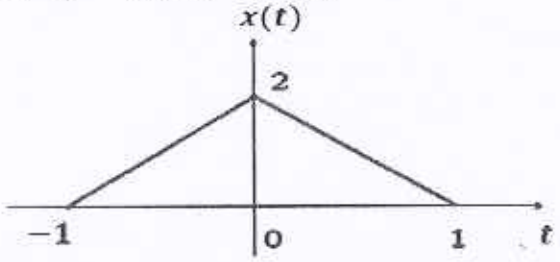

Fig 1

b) What is meant by orthogonality and derive the condition under which two signals $x_1(t)$ and $x_2(t)$said to be orthogonal to each other. [7M]

UNIT-II

3 a) Show that the magnitude spectrum of every periodic function is symmetrical about vertical axis passing through the origin. [7M]

b) Find the Fourier transform of the signum function [7M]

$$x(t) = \text{sgn}(t)$$

Also, sketch its magnitude and phase spectra.

OR

4 a) What is the significance of Hilbert transform? List out any three properties of Hilbert transform. [7M]

b) State and prove the time integration property of Fourier transform? [7M]

UNIT-III

5 a) Derive the expression for transfer function of a LTI system. [7M]

b) A system produces an output of $y(t) = e^{-t}u(t)$ for an input of $x(t) = e^{-2t}u(t)$. Determine the impulse response and frequency response of a system. [7M]

OR

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6 a) Obtain the convolution of the following two signals using graphical approach. [9M]
$x(t) = e^{-3t}u(t) and h(t) = u(t+3)$

b) Explain the concept of system bandwidth with neat sketch. [5M]

UNIT-IV

7 a) State and prove any two properties of Autocorrelation for energy signals. [7M]

b) Explain quantitatively about reconstruction of a signal from its sampled signal using interpolation. [7M]

OR

8 a) A non-periodic signal $x(t) = e^{-3t}u(t)$ is passed through an LPF with cut-off frequency 1 rad/s. Determine [7M]
i) Input energy spectral density (ESD)
ii) Output ESD
iii) Total energy of an output signal

b) Differentiate between natural and flat-top sampling. [7M]

UNIT-V

9 a) State and prove the initial value theorem in Laplace transform. [7M]

b) Find the inverse z-transform of [7M]

$$X(z) = \frac{z^{-1}}{3 - 4z^{-1} + z^{-2}}; \quad \text{ROC: } |z| > 1$$

OR

10 a) Find the Laplace transform of a causal periodic signal shown in Fig. 2. [7M]

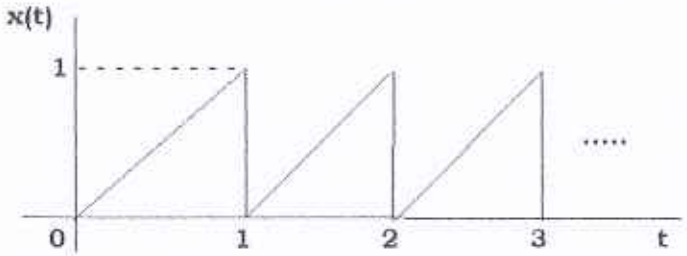

Fig. 2

b) Define ROC? List out the properties of ROC related to z- transform. [7M]

Code No: R2021043 **R20** SET - 3

II B. Tech I Semester Regular/Supplementary Examinations, December-2023
SIGNALS AND SYSTEMS
(Com to ECE, EIE, ECT)

Time: 3 hours Max. Marks: 70

Answer any **FIVE** Questions each Question from each unit
All Questions carry **Equal** Marks

UNIT-I

1 a) Define periodic signal? Verify the following signals are periodic or not. [7M]
i) $x(t) = \cos\frac{\pi}{3}t + 5\sin\frac{\pi}{4}t$ ii) $x(t) = e^{j\left(\frac{\pi}{2}t-1\right)}$

b) What is meant by orthogonality? Derive the condition for the orthogonality between two complex signals $x_1(t)$ and $x_2(t)$ for a real variable t. [7M]

OR

2 a) A continuous time signal x(t) shown in Fig. 1. Apply the following operations and sketch, label carefully. [7M]
i) $x(t-4)$ ii) $x\left(\frac{t}{2}\right)$ iii) $x(4t+1)$

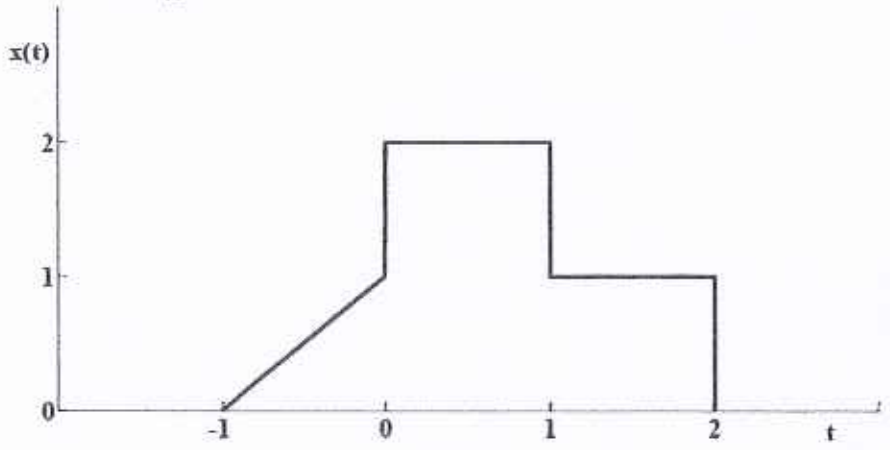

Fig. 1

b) Define and list the properties of unit impulse function? Also, evaluate the following integrals. [7M]
a) $\int_{-\infty}^{+\infty} e^{-t^2}\delta(t-1)dt$ b) $x(t) = \int_{-\infty}^{+\infty} \sin 2t\,\delta(t)dt$

UNIT-II

3 a) Explain about Dirichlet's conditions to obtain Fourier series representation of any signal. [7M]

b) Determine the Fourier transform of the signal shown in Fig 2 by using time differentiation property? [7M]

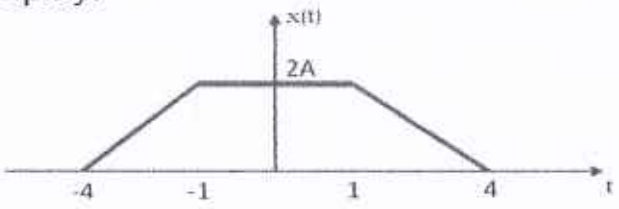

Fig. 2

OR

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4 a) Obtain the trigonometric Fourier coefficients in terms of exponential Fourier coefficients? [7M]

b) Find the Fourier transform of the signal [7M]

$$x(t) = e^{-3t}[u(t+2) - u(t-3)]$$

UNIT-III

5 a) Define and explain the following: [7M]

i) Linear and non-linear systems ii) Causal and non-causal systems

b) Explain the characteristics of an ideal LPF? Explain why it can't be realized. [7M]

OR

6 a) Obtain the convolution of the following two signals using graphical approach. [14M]

$$x(t) = \begin{cases} 1 & \text{for } -3 \le t \le 3 \\ 0 & \text{elsewhere} \end{cases}; h(t) = \begin{cases} 2 & \text{for } 0 \le t \le 3 \\ 0 & \text{elsewhere} \end{cases}$$

UNIT-IV

7 a) Explain about the detection of periodic signal in the presence of noise by correlation? [7M]

b) Write the statement of Sampling theorem for band limited signals? Determine the Nyquist rate and Nyquist interval of the following signal [7M]

$$x(t) = 5\sin(250\pi t) + 6\cos(200\pi t)$$

OR

8 a) Write any twoproperties of cross correlation function for power signals. [4M]

b) A signal$x(t) = 2\cos 400\pi t + 6\cos 640\pi t$ is ideally sampled at $f_s = 500$ Hz. If the sampled signal is passed through an ideal low pass filter with a cutoff frequency of 400 Hz, what frequency components will appear in the output? Sketch the output spectrum. Also find the output signal. [10M]

UNIT-V

9 a) Determine the initial and final values of [7M]

$$X(s) = \frac{2s+3}{s^2+5s+6}$$

b) Find the z-transform of the discrete time signal and also plot its ROC. [7M]

$$x[n] = n\alpha^n u[n];\ |\alpha| < 1$$

OR

10 a) State and prove the time shifting property in Laplace transform. [7M]

b) Determine the inverse z-transform of the given by use of power series expansion (PSE) method [7M]

$$X(z) = \frac{2+z^{-1}}{1-\frac{1}{2}z^{-1}};\ \text{ROC: } |z| < \frac{1}{2}$$

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Code No: R2021043 **R20** SET - 4

II B. Tech I Semester Regular/Supplementary Examinations, December-2023
SIGNALS AND SYSTEMS
(Com to ECE, EIE, ECT)

Time: 3 hours Max. Marks: 70

Answer any **FIVE** Questions each Question from each unit
All Questions carry **Equal** Marks

UNIT-I

1 a) Define and sketch the following signals [7M]
i) Unit step signal ii) Unit impulse signal iii) Signum function

b) A rectangular function$x(t)$ defined as [7M]

$$x(t) = \begin{cases} 1 \text{for } 0 < t < \pi \\ -1 \text{for } \pi < t < 2\pi \end{cases}$$

Approximate this function by a waveform **sin**tover the interval$(0,2\pi)$ such that the mean square error (MSE) is minimum. Also, calculate MSE.

OR

2 a) Determine whether the given signal is power or energy signal? [7M]

$$x(t) = \Lambda[u(t+a) - u(t-a)], \quad a > 0$$

b) What is meant by Orthogonality of signals? Show that the following signals are mutually orthogonal to each other over an interval $(0, 1)$. [7M]

$$x_1(t) = 2 \text{ and} x_2(t) = \sqrt{3}(1-2t)$$

UNIT-II

3 a) Show that the trigonometric Fourier series representation of odd periodic function contains no cosineterms. [7M]

b) Find the Fourier transform of the signal [7M]

$$x(t) = \frac{1}{1+t^2}$$

Also sketch its magnitude spectrum.

OR

4 a) Obtain the trigonometric Fourier series for the waveform shown in Fig 1. [7M]

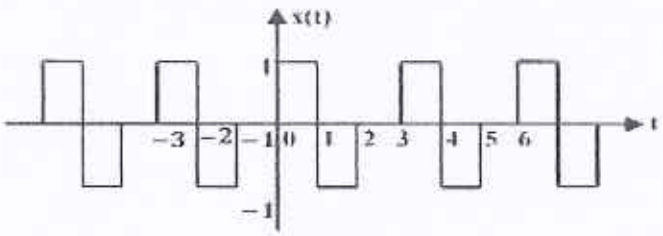

Fig 1

b) What is Hilbert transform? Also, obtain its magnitude and phase spectra. [7M]

Code No: R2021043 **R20** SET - 4

UNIT-III

5 a) What are the requirements to be satisfied by an LTI system to provide distortionless transmission of a signal? [7M]

b) State and explain about Paley-wiener criteria. [7M]

OR

6 a) Obtain the relation between rise time and bandwidth of a LPF when unit step signal is applied. [7M]

b) Write a note on signal bandwidth and system band width. [7M]

UNIT-IV

7 a) Determine the autocorrelation function and energy spectral density of the signal [7M]

$$x(t) = e^{-3t}u(t)$$

b) What is meant by aliasing effect? Suggest the methods to avoid the aliasing. [7M]

OR

8 a) Obtain the relation between correlation and convolution. [7M]

b) State the sampling theorem for band limited signals?Determine the minimum sampling rate and Nyquist interval of the signal [7M]

$$x(t) = \text{Cos } 200\pi t + 10 \text{ Sin } 10000\pi t + 20 \text{ Cos } 5000\pi t$$

UNIT-V

9 a) Write the properties of ROC for Laplace transform. [7M]

b) Determine the inverse z-transform of the [7M]

$$X(z) = \frac{1}{1 - 1.5z^{-1} + 0.5z^{-2}}; \text{ ROC: } 0.5 < |z| < 1$$

OR

10 a) Find the Laplace transform of the signal, $x(t) = e^{-2t}u(t) - e^{-3t}u(t)$. Also sketch its ROC. [7M]

b) State and prove the final value theorem in z-transform. [7M]

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College Code: NP, Enikepadu, Vijayawada-521108
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VITW/ECE/ISO/8.5.1/FT 12/F-38

CLASS TIME-TABLE

TUTORIAL CLASSES

Department /Program: ECE/B.Tech **Date** : 26-12-2023

Class / Semester: III B.Tech II SEM **Academic year:** 2023-2024

DAY	1 (9.00 AM-9.45 AM)	2 (9.45 AM-10.30 AM)	3 (10.30 AM-11.15 PM)		4 (11.30 PM-12.15 PM)	5 (12.15 PM-1.00 PM)		6 (2.00 PM-2.45 PM)	7 (2.45- PM-3.30 PM)	8 (3.30-PM-4.15 PM
MON	M&CC	CN	VLSID	B R E A K	RM	VLSID(T)	B R E A K	MPMC LAB/ DSP LAB		
TUE	CN	VLSI D	DSP		M&CC	MPMC		MPMC((T)	SOFT SKILLS	
WED	VLSID	DSP	MPMC		M&CC	ARM((T)		ARM ARDIUNO / VSLID LAB		
THU	M&CC	CN	ARM LAB/VLSI LAB		ARDIUNO / VLSI LAB			MPMC	CN(T)	MPMC
FRI	DSP LAB / MPMC LAB				VLSID	DSP		CN	M&CC	DSP(T)
SAT	VLSID	CN	DSP		EMPLOYABILITY SKILLS			RM	MPMC	LIB

Subject Code	Subject	Name of the Faculty
R2032041	Micro Processor And Micro Controller	Mrs.U.Krupa
R2032042	Very Large-Scale Integration And Design	Mr.B.Mohan Swaroop
R2032043	Digital Signal Processing	Mr. V. Devasahayam
R203204	Mobile & Cellular Communication	Ms.K.Prasuna
R203205	Computer Networks	Mrs. K.Prasanna Angel
R2032046	Micro Processor And Micro Controller Lab	Mrs.U.Krupa, Mrs.Rehmatunnisa, , Mrs.M.D.Zaheer Fathima, S.Ratna Spandana, Mrs.GJhansi, Mr.E.Ravi Kumar
R2032047	VLSI &Design Lab	Mr.B.Mohan Swaroop, ,Mrs.GJhansi
R2032048	Digital Signal Processing Lab	Dr.A.Posiyya Mr. V. Devasahayam, Mr.K.P.Prasanna Kumar K.Raja Rajeswari
R2032049	Arm /Arduino Programming Lab	Ms.K.Prasuna Mrs. Md.Zaheer Fathima, Mr.E.Ravi Kumar , Mr.K.P.Prasanna Kumar,K.Raja Rajeswari
	Research Methodology	Dr.A.Posiyya

V. Devasahayam
TIME TABLE INCHARGE/ DATE

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K. Prasuna
HOD /DATE

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CIRCULAR

DATE: 26-12-2023

I hereby inform to all the students of II B.Tech, II Semester CSE Students that those who have backlogs in their first year should register for Remedial Classes for the subjects in II Year/ I Sem, it will be conducted from 4:15 pm to 5:00 pm as per the schedule given below. All the students who have backlogs of the following subjects should attend without fail, otherwise action will be taken.

The Schedule of Remedial Classes: from 29-12-2023 to 12-01-2024

Remedial classes	Mathematics-III			
II-I (R20) B.Tech (CSE)	29-12-2023	30-12-2023	02-01-2024	03-01-2024
	04-01-2024	05-01-2024	06-01-2024	08-01-2024
	09-01-2024	10-01-2024	11-01-2024	12-01-2024

Remedial Class Timetable: 4:15 PM TO 5:00PM

The following faculty will handle the classes and review the student's performance regularly during the remedial classes.

II – I B.Tech CSE	
SUBJECTS(R16)	Faculty Name
Mathematics-III	T.Jyothi

Copy to:

1. The Principal
2. Notice board of students
3. Class Room circulation
4. Class In charges
5. Concerned Faculty T. Jyothi

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Remedial class Schedule and Contents

Subjects	Date	Contents
Mathematics-III	29-12-2023	Vector calculus: Vector Differentiation: Gradient – Directional derivative, Divergence – Curl – Scalar Potential, Vector Integration: Line integral – Work done – Area, Surface and volume integrals
	30-12-2024	Vector integral theorems: Greens, Stokes and Gauss Divergence theorems (without proof).
	02-01-2024	Laplace transforms of standard functions – Shifting theorems – Transforms of derivatives and integrals, Unit step function – Dirac's delta function – Inverse Laplace transforms – Convolution theorem (without proof).
	03-01-2024	Applications: Solving ordinary differential equations (initial value problems) using Laplace transforms.
	04-01-2024	Fourier Series: Introduction – Periodic functions – Fourier series of periodic function – Dirichlet's conditions
	05-01-2024	Even and odd functions – Change of interval – Half-range sine and cosine series.
	06-01-2024	Fourier Transforms: Fourier integral theorem (without proof) – Fourier sine and cosine integrals
	08-01-2024	Sine and cosine transforms – Properties – inverse transforms – Finite Fourier transforms
	09-01-2024	Formation of partial differential equations by elimination of arbitrary constants and arbitrary functions
	10-01-2024	Solutions of first order linear (Lagrange) equation and nonlinear (standard types) equations
	11-01-2024	Second order PDE: Solutions of linear partial differential equations with constant coefficients – RHS term of the type
	12-01-2024	Applications of PDE: Method of separation of Variables – Solution of One dimensional Wave, Heat and two-dimensional Laplace equation

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Department /Program:: CSE	Faculty Name: T.Jyothi
Academic Year: 2023-2024	Semester: II B.Tech – I Sem
Subject Name: Mathematics-III	Date: 26-12-2023
Reason : Failed in Subject	
Period: From: 29-12-2023 to 12-01-2024	

RESULT OF REMEDIAL CLASSES

Sl.No	Roll No	Name of the Student	Marks/Grades before Remedial class	Marks/Grades after Remedial class	Signature of student
1	22NP1A0501	A. HEMASRI	F	P	Hema.
2	22NP1A0503	B. RAMYA	F	P	Ramya.
3	22NP1A0507	B. MANASA	F	P	Manasa
4	22NP1A0508	CH. MOHANA SREE	F	P	Mohana
5	22NP1A0510	D. HARSHITHA MANI	F	P	Harshitha.
6	22NP1A0515	G. KRISHNA SAMRAJYAM	F	P	Krishna.
7	22NP1A0516	G. VINATHI	F	P	Vinathi
8	22NP1A0518	G. SRUTHI LAYA	F	P	Layya.
9	22NP1A0521	G. YUVANITHA	F	P	Yuvanitha
10	22NP1A0523	K. SRUTHI	F	P	Sruthi
11	22NP1A0524	K.PRASANNA	F	F	Prasanna
12	22NP1A0525	K. TEJASRI	F	P	Tejasri
13	22NP1A0528	M. NAGAMANI	F	P	Nagamani
14	22NP1A0529	M. VEDHAMATHA GAYATHRI DEVI	F	P	Devi
15	22NP1A0533	M. HEMA LAKSHMI	F	F	Lakshmi
16	22NP1A0534	P. GEETHA	F	P	geetha.

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17	22NP1A0537	P.LAKSHMI SYAMALA	F	P	syamala
18	22NP1A0546	SHAIK AAKHILA TEHESEEN	F	P	Tehesen
19	22NP1A0550	T. SRAVANI	F	P	Sravani
20	22NP1A0551	T. AKHILA	F	P	Akhila
21	22NP1A0552	T. MEGHANA	F	P	T.Meghna
22	22NP1A0555	T. ANNAMANI	F	P	Annamani
23	22NP1A0557	V. MONIKA	F	P	V.Monika
24	22NP1A0558	V. LAHARI	F	P	Lahari
25	22NP1A0559	V. SARASWATHIDEVI	F	P	Saraswathi
26	22NP1A0561	A.KANAKA MAHALAKSHMI	F	P	Kanaka
27	22NP1A0563	CH. PRIYANKA	F	P	Ch.P
28	22NP1A0564	CH. SRI SULAKSHANA	F	P	Sri
29	22NP1A0566	CH. ANJALI KUMARI	F	P	Anjali
30	22NP1A0569	D. SAI SUPRIYA	F	P	Sai
31	22NP1A0570	D. CHARMI	F	P	D.Charmi
32	22NP1A0571	G.JYOTHIRMAI	F	P	Jyothi
33	22NP1A0574	G.PAVITHRA	F	P	Pavithra
34	22NP1A0575	GOPI HARSHITHA	F	P	Harshitha
35	22NP1A0578	KANTHETI KAVYA	F	P	K Kavya
36	22NP1A0582	K. NEELIMA CHOWDARY	F	P	Neelima
37	22NP1A0583	L.V.NAGA LAKSHMI	F	P	L.Naga
38	22NP1A0586	M. SNEHALATHA	F	P	Sneha
39	22NP1A0587	NAGATI ARPITHA	F	P	Arpitha

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40	22NP1A0588	N. YAMINI LATHA	F	P	N. Latha
41	22NP1A0596	P.HEMASRI	F	P	P. Hem
42	22NP1A0597	P. HEMA	F	P	P. Hema
43	22NP1A05A0	R. AKANSHA CHOWDARY	F	P	R. Akansha
44	22NP1A05A3	T. YASASWINI	F	P	T. Yasa
45	22NP1A05A4	T. MAHA LAKSHMI	F	P	T. Mah
46	23NP5A0501	D. SWATHI	F	P	D. Swathi
47	23NP5A0502	K. SHARONU	F	P	K. Sharonu
48	23NP5A0503	K.RAMPURI SAI PUJITHA	F	P	K. Rampuri Sai
49	23NP5A0505	B.DEVI PRIYA	F	P	B. Devi Priya
50	23NP5A0506	L. NAGA DURGA BHAVANI	F	P	L. Naga Durga Bhavani
51	23NP5A0507	N. SAHITYA	F	P	N. Sahitya

Remarks from HOD: .....

SIGNATURE OF THE HOD

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CIRCULAR

DATE: 03-10-2023

I hereby inform to all the students that Makeup Classes for IV B.Tech, I Semester CSE Students, regarding IV Year/ I Sem - I Mid subjects will be conducted from 4:15 pm to 5:00 pm as per the schedule given below. Every student has to attend the classes without fail otherwise action will be taken.

The schedule of Makeup classes: from 09-10-2023 to 14-11-2023

Makeup Classes	CC	
IV-I(R-20) B.Tech (CSE)	09-10-2023	10-10-2023
	11-10-2023	12-10-2023
	30-10-2023	31-10-2023
	01-11-2023	03-11-2023
	04-11-2023	06-11-2023
	08-11-2023	09-11-2023
	10-11-2023	14-11-2023

Copy:

1. Notice board of students
2. Class Room
3. Class In charge
4. Faculty

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Makeup class Schedule and Contents

Subjects	Date	Contents
CC	09-10-2023	Systems Modeling, Clustering and Virtualization: Scalable Computing over the Internet-The Age of Internet Computing
	10-10-2023	Scalable computing over the internet, Technologies for Network Based Systems
	11-10-2023	System models for Distributed and Cloud Computing
	12-10-2023	Performance, Security and Energy Efficiency
	30-10-2023	Virtual Machines and Virtualization of Clusters and Data Centers
	31-10-2023	Implementation Levels of Virtualization
	01-11-2023	Virtualization Structures/ Tools and Mechanisms
	03-11-2023	Virtualization of CPU, Memory and I/O Devices
	04-11-2023	Virtual Clusters and Resource Management
	06-11-2023	Virtualization for Data-Center Automation
	08-11-2023	Cloud Platform Architecture: Cloud Computing and Service Models
	09-11-2023	Public Cloud Platforms
	10-11-2023	Service Oriented Architecture
	14-11-2023	Programming on Amazon AWS and Microsoft Azure

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COLLEGE CODE: NP, Phone:0866-2844444, Email:vijayatechfw@gmail.com, Web:vitw.edu.in
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Department /Program:: CSE	Faculty Name:D.Vijaya Kumari
Academic Year: 2023-2024	Semester: IV B.Tech I SEM
Subject Name: CC(R204105A)	Date: 03-10-2023
Reason :Failed in Subject	
Period: from 09-10-2023 to 14-11-2023	

Students Details:

Sl.No	Roll No	Name of the Student	Marks/Grades before Makeup class	Marks/Grades after Makeup class	Signature of student
1	20NP1A0522	G.SOWJANYA	7	0	
2	20NP1A0527	K.AMRUTHAVARSHA	7	9	
3	20NP1A0531	K.SRUTHILAYA	5	11	
4	20NP1A0532	K.LAVANYA NAGAVALLI	5	0	
5	20NP1A0535	L.NAGA CHARISHMA	3	1	
6	20NP1A0539	M.VASAVI NAGALAKSHMI	3	13	
7	20NP1A0569	CH.POOJA	2	0	
8	20NP1A0574	D.DEDEEPYA	2	0	
9	20NP1A0576	D.BHAAVYA	7	12	
10	20NP1A0585	G.KAMALA MARY	0	13	
11	20NP1A0587	K P S N S SURYA DEVI	5	8	
12	20NP1A05A7	S.TEJASWINI	0	10	
13	20NP1A05B0	T.AKSHITHA	7	14	
14	20NP1A05B2	T.MAHALAKSHMI	5	7	

Remarks from HOD: ..Good.....

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SIGNATURE OF THE HOD

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Mentor-Mentees Meeting

Mentor K.Prasuna	**No. of Mentees** 20
Class ECE	**Venue:** MPMC Lab
Meeting No. 1	**Date:** 6/10/2023
A.Y:2023-2024	**Time:** 1:30 PM

Agenda of Meeting:

1. Course Structure for Academic year 2023-2024.
2. To complete the pending works of academic yeas.
3. The Assignments should be done in intime.

Outcome of Meeting:

1. Detailed course structure of B-tech for academic years 2023-2024, was discussed with students.
2. The problems are solved using different methods.
3. The special classes are conducted for better clarification.

Signature of Mentor

Signature of Principal

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Mentor-Mentees Meeting

Mentor G.JHANSI	**No. of Mentees:** 19
Class ECE	**Venue:** MPMC Lab
Meeting No. 2	**Date:** 10/10/2023
A.Y:2023-2024	**Time:** 1:30 PM

Agenda of Meeting:

1. Structure of the yeourse during the acedemic year. 2023-2024.
2. The issues related to Syllabus.
3. Problem-Solving Methodologies

Outcome of Meeting:

1. Detailed discussion with Students regarding the Syllabus.
2. Tutorials was Conducted and evaluated.
3. Somewhat difficulty in Solving problems.

Signature of Mentor

Signature of Principal

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Mentor-Mentees Meeting

Mentor G. Ashok	**No. of Mentees** 16
Class AI&ML	**Venue:** Staff Room
Meeting No. 6	**Date:** 22-9-2023
A.Y:2023-2024	**Time:** 2:30 PM

Agenda of Meeting:

1. Course structure for Academic year 2023-24.
2. Issues related to academic skills.
3. Understanding and attendence of this month.

Outcome of Meeting:

1. Detailed course structure was discussed with students related to the pattern of exams and syllabus
2. Difficulty in acquiring skills.
3. 70% of student attendence was maintained

Signature of Mentor

Signature of Principal

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Results of I B.Tech I Semester (R23/R20/R19/R16) Supplementary Examinations, July-2024

College name: VIJAYA INST.OF TECH.FOR WOMEN,ENIKEPADU,VIJAYAWADA:NP

Htno	Subcode	Subname	Internals	Grade	Credits
19NP1A0404	R19BS1101	MATHEMATICS-I	13	F	0
19NP1A0411	R19ES1103	ENGINEERING DRAWING	18	F	0
19NP1A0413	R19BS1101	MATHEMATICS-I	14	F	0
20NP1A0401	R201115	APPLIED CHEMISTRY	18	E	3
20NP1A0402	R201101	MATHEMATICS - I	12	F	0
20NP1A0402	R201104	ENGINEERING DRAWING	19	ABSENT	0
20NP1A0402	R201110	PROGRAMMING FOR PROBLEM SOLVING USING C	10	F	0
20NP1A0402	R201115	APPLIED CHEMISTRY	10	ABSENT	0
20NP1A0406	R201115	APPLIED CHEMISTRY	22	F	0
20NP1A0412	R201101	MATHEMATICS - I	11	F	0
20NP1A0412	R201104	ENGINEERING DRAWING	16	F	0
20NP1A0412	R201115	APPLIED CHEMISTRY	14	F	0
20NP1A0413	R201101	MATHEMATICS - I	16	ABSENT	0
20NP1A0415	R201101	MATHEMATICS - I	19	F	0
20NP1A0415	R201104	ENGINEERING DRAWING	16	F	0

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20NP1A0415	R201115	APPLIED CHEMISTRY	19	F	0
20NP1A0416	R201104	ENGINEERING DRAWING	19	F	0
20NP1A0423	R201110	PROGRAMMING FOR PROBLEM SOLVING USING C	17	F	0
20NP1A0427	R201104	ENGINEERING DRAWING	29	F	0
20NP1A0429	R201115	APPLIED CHEMISTRY	22	D	3
20NP1A0433	R201101	MATHEMATICS - I	13	F	0
20NP1A0433	R201104	ENGINEERING DRAWING	21	F	0
20NP1A0433	R201115	APPLIED CHEMISTRY	13	F	0
20NP1A0444	R201115	APPLIED CHEMISTRY	14	F	0
20NP1A0448	R201110	PROGRAMMING FOR PROBLEM SOLVING USING C	16	F	0
20NP1A0448	R201115	APPLIED CHEMISTRY	16	F	0
21NP1A0404	R201110	PROGRAMMING FOR PROBLEM SOLVING USING C	21	F	0
21NP1A0413	R201110	PROGRAMMING FOR PROBLEM SOLVING USING C	25	D	3
21NP1A0413	R201115	APPLIED CHEMISTRY	17	F	0
21NP1A0414	R201101	MATHEMATICS - I	14	F	0
21NP1A0414	R201115	APPLIED CHEMISTRY	13	F	0
21NP1A0416	R201101	MATHEMATICS - I	17	F	0
21NP1A0418	R201101	MATHEMATICS - I	11	F	0
21NP1A0418	R201104	ENGINEERING DRAWING	18	ABSENT	0
21NP1A0421	R201115	APPLIED CHEMISTRY	14	F	0
21NP1A0437	R201101	MATHEMATICS - I	15	F	0
21NP1A0437	R201110	PROGRAMMING FOR PROBLEM SOLVING USING C	12	F	0
21NP1A0437	R201115	APPLIED CHEMISTRY	14	F	0
21NP1A0440	R201101	MATHEMATICS - I	16	F	0
21NP1A0440	R201110	PROGRAMMING FOR PROBLEM SOLVING USING C	17	F	0
21NP1A0440	R201115	APPLIED CHEMISTRY	17	F	0
21NP1A0446	R201101	MATHEMATICS - I	18	F	0
21NP1A4201	R201110	PROGRAMMING FOR PROBLEM SOLVING USING C	14	F	0
21NP1A4201	R201115	APPLIED CHEMISTRY	13	F	0
21NP1A4203	R201101	MATHEMATICS - I	19	F	0
21NP1A4203	R201110	PROGRAMMING FOR PROBLEM SOLVING USING C	20	D	3
21NP1A4207	R201110	PROGRAMMING FOR PROBLEM SOLVING USING C	19	D	3
21NP1A4228	R201101	MATHEMATICS - I	18	F	0
22NP1A0402	R201104	ENGINEERING DRAWING	19	F	0
22NP1A0402	R201110	PROGRAMMING FOR PROBLEM SOLVING USING C	18	F	0
22NP1A0402	R201115	APPLIED CHEMISTRY	18	F	0
22NP1A0406	R201101	MATHEMATICS - I	16	F	0
22NP1A0410	R201101	MATHEMATICS - I	23	ABSENT	0
22NP1A0413	R201101	MATHEMATICS - I	21	ABSENT	0
22NP1A0414	R201101	MATHEMATICS - I	21	F	0
22NP1A0414	R201104	ENGINEERING DRAWING	20	F	0
22NP1A0414	R201110	PROGRAMMING FOR PROBLEM SOLVING USING C	20	E	3
22NP1A0424	R201110	PROGRAMMING FOR PROBLEM SOLVING USING C	17	D	3
22NP1A0425	R201101	MATHEMATICS - I	18	F	0
22NP1A4226	R201115	APPLIED CHEMISTRY	15	ABSENT	0
22NP1A4407	R201101	MATHEMATICS - I	18	F	0
22NP1A4407	R201115	APPLIED CHEMISTRY	18	F	0
22NP1A4408	R201101	MATHEMATICS - I	23	F	0
22NP1A4414	R201101	MATHEMATICS - I	20	F	0
22NP1A4424	R201101	MATHEMATICS - I	17	F	0
22NP1A4426	R201115	APPLIED CHEMISTRY	14	F	0
22NP1A4428	R201115	APPLIED CHEMISTRY	16	F	0

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22NP1A4429	R201101	MATHEMATICS - I	18	F	0
22NP1A4430	R201101	MATHEMATICS - I	18	F	0
22NP1A4431	R201101	MATHEMATICS - I	17	F	0
22NP1A4433	R201101	MATHEMATICS - I	17	F	0
22NP1A4435	R201101	MATHEMATICS - I	18	F	0
22NP1A4435	R201115	APPLIED CHEMISTRY	16	F	0
22NP1A4438	R201101	MATHEMATICS - I	19	F	0
22NP1A4438	R201115	APPLIED CHEMISTRY	11	F	0
23NP1A0401	R231105	LINEAR ALGEBRA & CALCULUS	22	F	0
23NP1A0401	R231107	INTRODUCTION TO PROGRAMMING	13	F	0
23NP1A0401	R231108	ENGINEERING PHYSICS	16	F	0
23NP1A0401	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	17	F	0
23NP1A0401	R231110	ENGINEERING GRAPHICS	20	F	0
23NP1A0403	R231110	ENGINEERING GRAPHICS	23	F	0
23NP1A0404	R231108	ENGINEERING PHYSICS	20	E	3
23NP1A0404	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	23	E	3
23NP1A0404	R231110	ENGINEERING GRAPHICS	20	F	0
23NP1A0405	R231108	ENGINEERING PHYSICS	20	F	0
23NP1A0409	R231107	INTRODUCTION TO PROGRAMMING	11	F	0
23NP1A0409	R231108	ENGINEERING PHYSICS	14	F	0
23NP1A0409	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	14	F	0
23NP1A0409	R231110	ENGINEERING GRAPHICS	20	F	0
23NP1A0410	R231108	ENGINEERING PHYSICS	18	F	0
23NP1A0410	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	18	F	0
23NP1A0410	R231110	ENGINEERING GRAPHICS	24	F	0
23NP1A0412	R231105	LINEAR ALGEBRA & CALCULUS	20	F	0
23NP1A0412	R231107	INTRODUCTION TO PROGRAMMING	18	F	0
23NP1A0412	R231108	ENGINEERING PHYSICS	17	F	0
23NP1A0413	R231105	LINEAR ALGEBRA & CALCULUS	22	F	0
23NP1A0413	R231107	INTRODUCTION TO PROGRAMMING	20	F	0
23NP1A0413	R231108	ENGINEERING PHYSICS	17	F	0
23NP1A0413	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	19	F	0
23NP1A0414	R231105	LINEAR ALGEBRA & CALCULUS	20	F	0
23NP1A0414	R231107	INTRODUCTION TO PROGRAMMING	16	F	0
23NP1A0414	R231108	ENGINEERING PHYSICS	16	F	0
23NP1A0414	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	21	F	0
23NP1A0414	R231110	ENGINEERING GRAPHICS	18	F	0
23NP1A0415	R231108	ENGINEERING PHYSICS	19	F	0
23NP1A0416	R231107	INTRODUCTION TO PROGRAMMING	20	E	3
23NP1A0416	R231108	ENGINEERING PHYSICS	19	F	0
23NP1A0417	R231107	INTRODUCTION TO PROGRAMMING	20	E	3
23NP1A0417	R231108	ENGINEERING PHYSICS	17	E	3
23NP1A0417	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	17	F	0
23NP1A0417	R231110	ENGINEERING GRAPHICS	27	F	0
23NP1A0419	R231108	ENGINEERING PHYSICS	20	F	0
23NP1A0420	R231107	INTRODUCTION TO PROGRAMMING	19	E	3
23NP1A0420	R231108	ENGINEERING PHYSICS	21	F	0
23NP1A0420	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	21	E	3
23NP1A0421	R231108	ENGINEERING PHYSICS	23	D	3
23NP1A0421	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	20	E	3
23NP1A0422	R231105	LINEAR ALGEBRA & CALCULUS	19	F	0
23NP1A0422	R231108	ENGINEERING PHYSICS	16	F	0

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Htno	Subcode	Subname	Internals	Grade	Credits
23NP1A0422	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	17	F	0
23NP1A0422	R231110	ENGINEERING GRAPHICS	23	F	0
23NP1A0424	R231105	LINEAR ALGEBRA & CALCULUS	20	F	0
23NP1A0424	R231107	INTRODUCTION TO PROGRAMMING	14	F	0
23NP1A0424	R231108	ENGINEERING PHYSICS	18	F	0
23NP1A0424	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	18	F	0
23NP1A0425	R231105	LINEAR ALGEBRA & CALCULUS	20	F	0
23NP1A0425	R231107	INTRODUCTION TO PROGRAMMING	14	F	0
23NP1A0425	R231108	ENGINEERING PHYSICS	17	F	0
23NP1A0425	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	22	F	0
23NP1A0426	R231110	ENGINEERING GRAPHICS	24	F	0
23NP1A0428	R231108	ENGINEERING PHYSICS	25	D	3
23NP1A0429	R231108	ENGINEERING PHYSICS	19	F	0
23NP1A0430	R231108	ENGINEERING PHYSICS	19	F	0
23NP1A0430	R231110	ENGINEERING GRAPHICS	15	F	0
23NP1A4401	R231108	ENGINEERING PHYSICS	13	F	0
23NP1A4401	R231110	ENGINEERING GRAPHICS	11	F	0
23NP1A4402	R231108	ENGINEERING PHYSICS	16	F	0
23NP1A4402	R231110	ENGINEERING GRAPHICS	21	F	0
23NP1A4403	R231107	INTRODUCTION TO PROGRAMMING	20	F	0
23NP1A4403	R231108	ENGINEERING PHYSICS	17	F	0
23NP1A4403	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	17	F	0
23NP1A4403	R231110	ENGINEERING GRAPHICS	15	F	0
23NP1A4405	R231108	ENGINEERING PHYSICS	21	D	3
23NP1A4406	R231110	ENGINEERING GRAPHICS	24	F	0
23NP1A4407	R231108	ENGINEERING PHYSICS	21	D	3
23NP1A4409	R231108	ENGINEERING PHYSICS	21	D	3
23NP1A4410	R231110	ENGINEERING GRAPHICS	16	F	0
23NP1A4411	R231110	ENGINEERING GRAPHICS	27	F	0
23NP1A4413	R231108	ENGINEERING PHYSICS	18	F	0
23NP1A4414	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	17	D	3
23NP1A4414	R231110	ENGINEERING GRAPHICS	20	F	0
23NP1A4417	R231108	ENGINEERING PHYSICS	20	D	3
23NP1A4418	R231108	ENGINEERING PHYSICS	20	D	3
23NP1A4418	R231110	ENGINEERING GRAPHICS	17	E	3
23NP1A4419	R231108	ENGINEERING PHYSICS	17	F	0
23NP1A4419	R231110	ENGINEERING GRAPHICS	11	F	0
23NP1A4420	R231110	ENGINEERING GRAPHICS	25	F	0
23NP1A4421	R231107	INTRODUCTION TO PROGRAMMING	15	F	0
23NP1A4421	R231108	ENGINEERING PHYSICS	14	F	0
23NP1A4421	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	17	F	0
23NP1A4422	R231108	ENGINEERING PHYSICS	15	E	3
23NP1A4422	R231110	ENGINEERING GRAPHICS	17	F	0
23NP1A4423	R231108	ENGINEERING PHYSICS	15	F	0
23NP1A4423	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	17	D	3
23NP1A4423	R231110	ENGINEERING GRAPHICS	10	F	0
23NP1A4424	R231108	ENGINEERING PHYSICS	21	F	0
23NP1A4424	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	16	F	0
23NP1A4425	R231108	ENGINEERING PHYSICS	13	F	0
23NP1A4425	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	19	F	0
23NP1A4427	R231110	ENGINEERING GRAPHICS	16	F	0

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23NP1A4428	R231105	LINEAR ALGEBRA & CALCULUS	22	F	0
23NP1A4428	R231107	INTRODUCTION TO PROGRAMMING	17	F	0
23NP1A4428	R231108	ENGINEERING PHYSICS	17	D	3
23NP1A4428	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	24	E	3
23NP1A4429	R231108	ENGINEERING PHYSICS	21	D	3
23NP1A4430	R231108	ENGINEERING PHYSICS	22	D	3
23NP1A4431	R231107	INTRODUCTION TO PROGRAMMING	23	F	0
23NP1A4431	R231110	ENGINEERING GRAPHICS	25	F	0
23NP1A4432	R231108	ENGINEERING PHYSICS	20	D	3
23NP1A4432	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	18	D	3
23NP1A4432	R231110	ENGINEERING GRAPHICS	15	F	0
23NP1A4433	R231108	ENGINEERING PHYSICS	19	C	3
23NP1A4434	R231107	INTRODUCTION TO PROGRAMMING	21	E	3
23NP1A4434	R231108	ENGINEERING PHYSICS	15	E	3
23NP1A4434	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	21	E	3
23NP1A4434	R231110	ENGINEERING GRAPHICS	14	F	0
23NP1A4435	R231108	ENGINEERING PHYSICS	18	E	3
23NP1A4435	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	18	E	3
23NP1A4435	R231110	ENGINEERING GRAPHICS	11	F	0
23NP1A4436	R231108	ENGINEERING PHYSICS	26	A	3
23NP1A4437	R231108	ENGINEERING PHYSICS	21	D	3
23NP1A4437	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	20	D	3
23NP1A4438	R231105	LINEAR ALGEBRA & CALCULUS	22	F	0
23NP1A4438	R231108	ENGINEERING PHYSICS	17	D	3
23NP1A4438	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	16	E	3
23NP1A4439	R231110	ENGINEERING GRAPHICS	27	F	0
23NP1A4440	R231105	LINEAR ALGEBRA & CALCULUS	22	F	0
23NP1A4440	R231107	INTRODUCTION TO PROGRAMMING	17	E	3
23NP1A4440	R231108	ENGINEERING PHYSICS	16	E	3
23NP1A4440	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	15	E	3
23NP1A4440	R231110	ENGINEERING GRAPHICS	21	F	0
23NP1A4441	R231107	INTRODUCTION TO PROGRAMMING	22	F	0
23NP1A4441	R231108	ENGINEERING PHYSICS	13	F	0
23NP1A4441	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	17	F	0
23NP1A4441	R231110	ENGINEERING GRAPHICS	11	F	0
23NP1A4442	R231108	ENGINEERING PHYSICS	19	E	3
23NP1A4442	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	17	F	0
23NP1A4442	R231110	ENGINEERING GRAPHICS	11	F	0
23NP1A4443	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	21	F	0
23NP1A4443	R231110	ENGINEERING GRAPHICS	21	F	0
23NP1A4444	R231107	INTRODUCTION TO PROGRAMMING	22	D	3
23NP1A4444	R231108	ENGINEERING PHYSICS	20	E	3
23NP1A4445	R231105	LINEAR ALGEBRA & CALCULUS	15	ABSENT	0
23NP1A4445	R231107	INTRODUCTION TO PROGRAMMING	18	ABSENT	0
23NP1A4445	R231108	ENGINEERING PHYSICS	11	ABSENT	0
23NP1A4445	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	16	ABSENT	0
23NP1A4447	R231105	LINEAR ALGEBRA & CALCULUS	17	F	0
23NP1A4447	R231108	ENGINEERING PHYSICS	14	E	3
23NP1A4448	R231105	LINEAR ALGEBRA & CALCULUS	17	F	0
23NP1A4448	R231108	ENGINEERING PHYSICS	13	F	0
23NP1A4448	R231110	ENGINEERING GRAPHICS	21	F	0
23NP1A4449	R231108	ENGINEERING PHYSICS	20	D	3

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23NP1A4449	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	17	E	3
23NP1A4449	R231110	ENGINEERING GRAPHICS	11	F	0
23NP1A4450	R231107	INTRODUCTION TO PROGRAMMING	15	F	0
23NP1A4450	R231108	ENGINEERING PHYSICS	20	D	3
23NP1A4450	R231110	ENGINEERING GRAPHICS	22	F	0
23NP1A4451	R231108	ENGINEERING PHYSICS	21	C	3
23NP1A4453	R231105	LINEAR ALGEBRA & CALCULUS	19	F	0
23NP1A4453	R231107	INTRODUCTION TO PROGRAMMING	13	F	0
23NP1A4453	R231108	ENGINEERING PHYSICS	17	F	0
23NP1A4453	R231109	BASIC ELECTRICAL & ELECTRONICS ENGINEERI	16	E	3
23NP1A4453	R231110	ENGINEERING GRAPHICS	11	F	0
23NP1A4454	R231108	ENGINEERING PHYSICS	19	E	3

**Note:1)[Last Date to apply for Recounting/Revaluation/Challenge Revaluation is : 05-09-2024]

** Note:**

* -1 in the filed of externals or (AB) in grade indicates student is absent for the respective subject.

* -2 in the filed of externals or (WH) in grade indicates student result Withheld for the respective subject.

* -3 in the filed of externals or (MP) in grade indicates student involved in Malpractice for the respective subject.

Date:28.08.2024

Controller of Examinations(UG)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Results of I B.Tech II Semester (R23/R20/R19/R16) Regular/Supplementary Examinations, July-2024

College name: VIJAYA INST.OF TECH.FOR WOMEN,ENIKEPADU,VIJAYAWADA:NP

Htno	Subcode	Subname	Internals	Grade	Credits
16NP1A0430	R161203	MATHEMATICS - III	14	D	3
17NP1A0408	R161203	MATHEMATICS - III	18	ABSENT	0
17NP1A0408	R161211	APPLIED CHEMISTRY	22	ABSENT	0
17NP1A0457	R161211	APPLIED CHEMISTRY	16	C	3
19NP1A0409	R19BS1203	MATHEMATICS-III	15	D	3
19NP1A0411	R19BS1203	MATHEMATICS-III	16	D	3
19NP1A0413	R19BS1203	MATHEMATICS-III	15	F	0
20NP1A0401	R201207	APPLIED PHYSICS	14	D	3
20NP1A0401	R201212	OBJECT ORIENTED PROGRAMMING THROUGH JAVA	19	ABSENT	0
20NP1A0401	R201213	NETWORK ANALYSIS	16	E	3
20NP1A0402	R201201	MATHEMATICS-II	9	F	0
20NP1A0402	R201207	APPLIED PHYSICS	10	F	0
20NP1A0402	R201212	OBJECT ORIENTED PROGRAMMING THROUGH JAVA	12	ABSENT	0
20NP1A0402	R201213	NETWORK ANALYSIS	13	ABSENT	0
20NP1A0402	R201214	BASIC ELECTRICAL ENGINEERING	11	F	0
20NP1A0409	R201213	NETWORK ANALYSIS	22	F	0
20NP1A0412	R201207	APPLIED PHYSICS	13	E	3

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20NP1A0412	R201213	NETWORK ANALYSIS	13	F	0
20NP1A0415	R201201	MATHEMATICS-II	13	F	0
20NP1A0415	R201207	APPLIED PHYSICS	17	E	3
20NP1A0415	R201212	OBJECT ORIENTED PROGRAMMING THROUGH JAVA	20	F	0
20NP1A0415	R201213	NETWORK ANALYSIS	20	F	0
20NP1A0420	R201213	NETWORK ANALYSIS	18	C	3
20NP1A0423	R201213	NETWORK ANALYSIS	23	D	3
20NP1A0427	R201201	MATHEMATICS-II	19	F	0
20NP1A0427	R201213	NETWORK ANALYSIS	19	D	3
20NP1A0429	R201207	APPLIED PHYSICS	15	D	3
20NP1A0433	R201207	APPLIED PHYSICS	17	F	0
20NP1A0444	R201207	APPLIED PHYSICS	15	E	3
20NP1A0448	R201201	MATHEMATICS-II	13	F	0
20NP1A0448	R201207	APPLIED PHYSICS	13	D	3
20NP1A0448	R201213	NETWORK ANALYSIS	18	E	3
20NP1A0450	R201207	APPLIED PHYSICS	13	ABSENT	0
21NP1A0402	R201207	APPLIED PHYSICS	23	D	3
21NP1A0404	R201214	BASIC ELECTRICAL ENGINEERING	14	F	0
21NP1A0412	R201207	APPLIED PHYSICS	18	ABSENT	0
21NP1A0412	R201213	NETWORK ANALYSIS	21	ABSENT	0
21NP1A0413	R201212	OBJECT ORIENTED PROGRAMMING THROUGH JAVA	22	D	3
21NP1A0413	R201214	BASIC ELECTRICAL ENGINEERING	23	F	0
21NP1A0414	R201207	APPLIED PHYSICS	15	E	3
21NP1A0414	R201212	OBJECT ORIENTED PROGRAMMING THROUGH JAVA	15	E	3
21NP1A0414	R201213	NETWORK ANALYSIS	12	F	0
21NP1A0418	R201201	MATHEMATICS-II	15	F	0
21NP1A0418	R201207	APPLIED PHYSICS	19	F	0
21NP1A0421	R201212	OBJECT ORIENTED PROGRAMMING THROUGH JAVA	16	F	0
21NP1A0421	R201213	NETWORK ANALYSIS	20	F	0
21NP1A0421	R201214	BASIC ELECTRICAL ENGINEERING	19	F	0
21NP1A0436	R201207	APPLIED PHYSICS	25	C	3
21NP1A0436	R201213	NETWORK ANALYSIS	20	F	0
21NP1A0437	R201201	MATHEMATICS-II	19	D	3
21NP1A0437	R201214	BASIC ELECTRICAL ENGINEERING	21	F	0
21NP1A0439	R201207	APPLIED PHYSICS	25	D	3
21NP1A0440	R201207	APPLIED PHYSICS	20	E	3
21NP1A0440	R201212	OBJECT ORIENTED PROGRAMMING THROUGH JAVA	20	E	3
21NP1A0440	R201214	BASIC ELECTRICAL ENGINEERING	15	F	0
21NP1A0446	R201201	MATHEMATICS-II	13	E	3
21NP1A0446	R201207	APPLIED PHYSICS	14	F	0
21NP1A4202	R201201	MATHEMATICS-II	15	F	0
21NP1A4202	R201207	APPLIED PHYSICS	10	F	0
21NP1A4202	R201218	DATA STRUCTURES	22	D	3
21NP1A4202	R201221	DIGITAL LOGIC DESIGN	20	F	0
21NP1A4202	R201225	PYTHON PROGRAMMING	14	F	0
21NP1A4215	R201207	APPLIED PHYSICS	14	F	0
21NP1A4216	R201201	MATHEMATICS-II	15	F	0
21NP1A4216	R201207	APPLIED PHYSICS	13	F	0
21NP1A4216	R201225	PYTHON PROGRAMMING	18	E	3
22NP1A0402	R201207	APPLIED PHYSICS	18	E	3
22NP1A0406	R201207	APPLIED PHYSICS	15	F	0
22NP1A0410	R201213	NETWORK ANALYSIS	24	F	0

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22NP1A0413	R201213	NETWORK ANALYSIS	22	F	0
22NP1A0414	R201207	APPLIED PHYSICS	18	F	0
22NP1A0414	R201212	OBJECT ORIENTED PROGRAMMING THROUGH JAVA	18	F	0
22NP1A0423	R201213	NETWORK ANALYSIS	21	D	3
22NP1A0424	R201233	APPLIED PHYSICS LABORATORY	9	B	1.5
22NP1A0424	R201237	ELECTRONIC WORKSHOP LABORATORY	10	A	1.5
22NP1A0424	R201238	BASIC ELECTRICAL ENGINEERING LABORATORY	9	B	1.5
22NP1A4407	R201221	DIGITAL LOGIC DESIGN	21	F	0
22NP1A4407	R201225	PYTHON PROGRAMMING	12	F	0
22NP1A4408	R201207	APPLIED PHYSICS	22	F	0
22NP1A4408	R201225	PYTHON PROGRAMMING	17	E	3
22NP1A4414	R201225	PYTHON PROGRAMMING	19	F	0
22NP1A4416	R201201	MATHEMATICS-II	12	F	0
22NP1A4416	R201207	APPLIED PHYSICS	17	F	0
22NP1A4416	R201218	DATA STRUCTURES	14	E	3
22NP1A4416	R201221	DIGITAL LOGIC DESIGN	21	F	0
22NP1A4416	R201225	PYTHON PROGRAMMING	16	F	0
22NP1A4424	R201207	APPLIED PHYSICS	20	ABSENT	0
22NP1A4428	R201207	APPLIED PHYSICS	13	F	0
22NP1A4428	R201225	PYTHON PROGRAMMING	17	F	0
22NP1A4429	R201207	APPLIED PHYSICS	16	F	0
22NP1A4433	R201207	APPLIED PHYSICS	10	ABSENT	0
22NP1A4435	R201225	PYTHON PROGRAMMING	18	F	0
22NP1A4437	R201207	APPLIED PHYSICS	16	D	3
22NP1A4437	R201221	DIGITAL LOGIC DESIGN	19	D	3
22NP1A4438	R201207	APPLIED PHYSICS	17	F	0
22NP1A4438	R201218	DATA STRUCTURES	15	F	0
22NP1A4438	R201225	PYTHON PROGRAMMING	14	ABSENT	0
22NP1A4440	R201225	PYTHON PROGRAMMING	21	C	3
23NP1A0401	R231202	DIFFERENTIAL EQUATIONS&VECTOR CALCULUS	10	F	0
23NP1A0401	R231207	COMMUNICATIVE ENGLISH	19	E	2
23NP1A0401	R231207L	COMMUNICATIVE ENGLISH LAB	23	A	1
23NP1A0401	R231209	CHEMISTRY	17	F	0
23NP1A0401	R231209L	CHEMISTRY LAB	22	A	1
23NP1A0401	R231211	BASIC CIVIL&MECHANICAL ENGINEERING	18	D	3
23NP1A0401	R231211L	ENGINEERING WORKSHOP	27	A	1.5
23NP1A0401	R231213	NETWORK ANALYSIS	18	F	0
23NP1A0401	R231214L	NETWORK ANALYSIS AND SIMULATION LAB	28	A	1.5
23NP1A0401	R231215L	HEALTH AND WELLNESS,YOGA AND SPORTS	0	A	0.5
23NP1A0403	R231202	DIFFERENTIAL EQUATIONS&VECTOR CALCULUS	10	F	0
23NP1A0403	R231207	COMMUNICATIVE ENGLISH	21	B	2
23NP1A0403	R231207L	COMMUNICATIVE ENGLISH LAB	24	S	1
23NP1A0403	R231209	CHEMISTRY	16	D	3
23NP1A0403	R231209L	CHEMISTRY LAB	22	A	1
23NP1A0403	R231211	BASIC CIVIL&MECHANICAL ENGINEERING	22	D	3
23NP1A0403	R231211L	ENGINEERING WORKSHOP	25	S	1.5
23NP1A0403	R231213	NETWORK ANALYSIS	22	F	0
23NP1A0403	R231214L	NETWORK ANALYSIS AND SIMULATION LAB	27	S	1.5
23NP1A0403	R231215L	HEALTH AND WELLNESS,YOGA AND SPORTS	0	A	0.5
23NP1A0404	R231202	DIFFERENTIAL EQUATIONS&VECTOR CALCULUS	17	E	3
23NP1A0404	R231207	COMMUNICATIVE ENGLISH	22	B	2
23NP1A0404	R231207L	COMMUNICATIVE ENGLISH LAB	25	A	1

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23NP1A0404	R231209	CHEMISTRY	19	E	3
23NP1A0404	R231209L	CHEMISTRY LAB	26	S	1
23NP1A0404	R231211	BASIC CIVIL&MECHANICAL ENGINEERING	23	B	3
23NP1A0404	R231211L	ENGINEERING WORKSHOP	25	A	1.5
23NP1A0404	R231213	NETWORK ANALYSIS	21	E	3
23NP1A0404	R231214L	NETWORK ANALYSIS AND SIMULATION LAB	26	A	1.5
23NP1A0404	R231215L	HEALTH AND WELLNESS,YOGA AND SPORTS	0	A	0.5
23NP1A0405	R231202	DIFFERENTIAL EQUATIONS&VECTOR CALCULUS	18	F	0
23NP1A0405	R231207	COMMUNICATIVE ENGLISH	15	E	2
23NP1A0405	R231207L	COMMUNICATIVE ENGLISH LAB	23	A	1
23NP1A0405	R231209	CHEMISTRY	19	E	3
23NP1A0405	R231209L	CHEMISTRY LAB	24	A	1
23NP1A0405	R231211	BASIC CIVIL&MECHANICAL ENGINEERING	23	D	3
23NP1A0405	R231211L	ENGINEERING WORKSHOP	26	A	1.5
23NP1A0405	R231213	NETWORK ANALYSIS	23	E	3
23NP1A0405	R231214L	NETWORK ANALYSIS AND SIMULATION LAB	26	A	1.5
23NP1A0405	R231215L	HEALTH AND WELLNESS,YOGA AND SPORTS	0	A	0.5
23NP1A0406	R231202	DIFFERENTIAL EQUATIONS&VECTOR CALCULUS	17	E	3
23NP1A0406	R231207	COMMUNICATIVE ENGLISH	19	C	2
23NP1A0406	R231207L	COMMUNICATIVE ENGLISH LAB	28	S	1
23NP1A0406	R231209	CHEMISTRY	13	E	3
23NP1A0406	R231209L	CHEMISTRY LAB	28	S	1
23NP1A0406	R231211	BASIC CIVIL&MECHANICAL ENGINEERING	13	D	3
23NP1A0406	R231211L	ENGINEERING WORKSHOP	27	S	1.5
23NP1A0406	R231213	NETWORK ANALYSIS	20	E	3
23NP1A0406	R231214L	NETWORK ANALYSIS AND SIMULATION LAB	26	S	1.5
23NP1A0406	R231215L	HEALTH AND WELLNESS,YOGA AND SPORTS	0	A	0.5
23NP1A0407	R231202	DIFFERENTIAL EQUATIONS&VECTOR CALCULUS	25	F	0
23NP1A0407	R231207	COMMUNICATIVE ENGLISH	23	B	2
23NP1A0407	R231207L	COMMUNICATIVE ENGLISH LAB	30	S	1
23NP1A0407	R231209	CHEMISTRY	24	A	3
23NP1A0407	R231209L	CHEMISTRY LAB	30	S	1
23NP1A0407	R231211	BASIC CIVIL&MECHANICAL ENGINEERING	23	C	3
23NP1A0407	R231211L	ENGINEERING WORKSHOP	30	S	1.5
23NP1A0407	R231213	NETWORK ANALYSIS	24	F	0
23NP1A0407	R231214L	NETWORK ANALYSIS AND SIMULATION LAB	30	S	1.5
23NP1A0407	R231215L	HEALTH AND WELLNESS,YOGA AND SPORTS	0	A	0.5
23NP1A0408	R231202	DIFFERENTIAL EQUATIONS&VECTOR CALCULUS	13	F	0
23NP1A0408	R231207	COMMUNICATIVE ENGLISH	15	D	2
23NP1A0408	R231207L	COMMUNICATIVE ENGLISH LAB	19	B	1
23NP1A0408	R231209	CHEMISTRY	14	E	3
23NP1A0408	R231209L	CHEMISTRY LAB	22	A	1
23NP1A0408	R231211	BASIC CIVIL&MECHANICAL ENGINEERING	17	F	0
23NP1A0408	R231211L	ENGINEERING WORKSHOP	25	A	1.5
23NP1A0408	R231213	NETWORK ANALYSIS	18	F	0
23NP1A0408	R231214L	NETWORK ANALYSIS AND SIMULATION LAB	25	A	1.5
23NP1A0408	R231215L	HEALTH AND WELLNESS,YOGA AND SPORTS	0	A	0.5
23NP1A0409	R231202	DIFFERENTIAL EQUATIONS&VECTOR CALCULUS	15	F	0
23NP1A0409	R231207	COMMUNICATIVE ENGLISH	16	E	2
23NP1A0409	R231207L	COMMUNICATIVE ENGLISH LAB	24	S	1
23NP1A0409	R231209	CHEMISTRY	13	F	0
23NP1A0409	R231209L	CHEMISTRY LAB	22	A	1

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23NP1A0409	R231211	BASIC CIVIL&MECHANICAL ENGINEERING	22	C	3
23NP1A0409	R231211L	ENGINEERING WORKSHOP	26	A	1.5
23NP1A0409	R231213	NETWORK ANALYSIS	17	F	0
23NP1A0409	R231214L	NETWORK ANALYSIS AND SIMULATION LAB	26	A	1.5
23NP1A0409	R231215L	HEALTH AND WELLNESS,YOGA AND SPORTS	0	B	0.5
23NP1A0410	R231202	DIFFERENTIAL EQUATIONS&VECTOR CALCULUS	17	E	3
23NP1A0410	R231207	COMMUNICATIVE ENGLISH	22	B	2
23NP1A0410	R231207L	COMMUNICATIVE ENGLISH LAB	26	S	1
23NP1A0410	R231209	CHEMISTRY	24	C	3
23NP1A0410	R231209L	CHEMISTRY LAB	30	S	1
23NP1A0410	R231211	BASIC CIVIL&MECHANICAL ENGINEERING	25	C	3
23NP1A0410	R231211L	ENGINEERING WORKSHOP	26	A	1.5
23NP1A0410	R231213	NETWORK ANALYSIS	22	E	3
23NP1A0410	R231214L	NETWORK ANALYSIS AND SIMULATION LAB	26	A	1.5
23NP1A0410	R231215L	HEALTH AND WELLNESS,YOGA AND SPORTS	0	A	0.5
23NP1A0411	R231202	DIFFERENTIAL EQUATIONS&VECTOR CALCULUS	20	F	0
23NP1A0411	R231207	COMMUNICATIVE ENGLISH	20	C	2
23NP1A0411	R231207L	COMMUNICATIVE ENGLISH LAB	30	S	1
23NP1A0411	R231209	CHEMISTRY	22	B	3
23NP1A0411	R231209L	CHEMISTRY LAB	30	S	1
23NP1A0411	R231211	BASIC CIVIL&MECHANICAL ENGINEERING	23	F	0
23NP1A0411	R231211L	ENGINEERING WORKSHOP	26	S	1.5
23NP1A0411	R231213	NETWORK ANALYSIS	24	F	0
23NP1A0411	R231214L	NETWORK ANALYSIS AND SIMULATION LAB	30	S	1.5
23NP1A0411	R231215L	HEALTH AND WELLNESS,YOGA AND SPORTS	0	A	0.5
23NP1A0412	R231202	DIFFERENTIAL EQUATIONS&VECTOR CALCULUS	14	F	0
23NP1A0412	R231207	COMMUNICATIVE ENGLISH	17	B	2
23NP1A0412	R231207L	COMMUNICATIVE ENGLISH LAB	24	A	1
23NP1A0412	R231209	CHEMISTRY	19	E	3
23NP1A0412	R231209L	CHEMISTRY LAB	27	S	1
23NP1A0412	R231211	BASIC CIVIL&MECHANICAL ENGINEERING	22	C	3
23NP1A0412	R231211L	ENGINEERING WORKSHOP	26	A	1.5
23NP1A0412	R231213	NETWORK ANALYSIS	21	E	3
23NP1A0412	R231214L	NETWORK ANALYSIS AND SIMULATION LAB	26	A	1.5
23NP1A0412	R231215L	HEALTH AND WELLNESS,YOGA AND SPORTS	0	A	0.5
23NP1A0413	R231202	DIFFERENTIAL EQUATIONS&VECTOR CALCULUS	14	F	0
23NP1A0413	R231207	COMMUNICATIVE ENGLISH	16	E	2
23NP1A0413	R231207L	COMMUNICATIVE ENGLISH LAB	26	S	1
23NP1A0413	R231209	CHEMISTRY	16	F	0
23NP1A0413	R231209L	CHEMISTRY LAB	21	A	1
23NP1A0413	R231211	BASIC CIVIL&MECHANICAL ENGINEERING	21	E	3
23NP1A0413	R231211L	ENGINEERING WORKSHOP	25	A	1.5
23NP1A0413	R231213	NETWORK ANALYSIS	21	F	0
23NP1A0413	R231214L	NETWORK ANALYSIS AND SIMULATION LAB	24	A	1.5
23NP1A0413	R231215L	HEALTH AND WELLNESS,YOGA AND SPORTS	0	A	0.5
23NP1A0414	R231202	DIFFERENTIAL EQUATIONS&VECTOR CALCULUS	10	F	0
23NP1A0414	R231207	COMMUNICATIVE ENGLISH	14	E	2
23NP1A0414	R231207L	COMMUNICATIVE ENGLISH LAB	20	B	1
23NP1A0414	R231209	CHEMISTRY	18	F	0
23NP1A0414	R231209L	CHEMISTRY LAB	21	A	1
23NP1A0414	R231211	BASIC CIVIL&MECHANICAL ENGINEERING	16	E	3
23NP1A0414	R231211L	ENGINEERING WORKSHOP	26	A	1.5

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