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

Lr. No. DAP/AC/IV Year/B. Tech/B. Pharmacy/2022


Date 25.06.2022

Dr. KVSG Murali Krishna,
M.E. Ph.D.
Director, Academic Planning
JNTUK, Kakinada

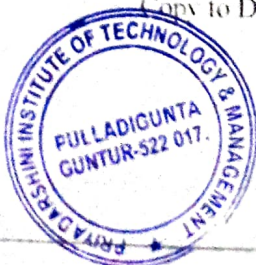
To
All the Principals of Affiliated Colleges,
JNTUK, Kakinada.

Academic Calendar for IV Year - B. Tech/B. Pharmacy for the AY 2022-23

| I SEMESTER | | | |
|--|------------|------------|-------|
| Description | From | To | Weeks |
| Commencement of Class Work | 04.07.2022 | | |
| I Unit of Instruction | 04.07.2022 | 27.08.2022 | 8W |
| I Mid Examinations | 29.08.2022 | 03.09.2022 | 1W |
| II Unit of Instructions | 05.09.2022 | 29.10.2022 | 8W |
| II Mid Examinations | 31.10.2022 | 05.11.2022 | 1W |
| Preparation & Practicals | 07.11.2022 | 12.11.2022 | 1W |
| End Examinations | 14.11.2022 | 26.11.2022 | 2W |
| Commencement of II Semester Class Work | 05.12.2022 | | |
| II SEMESTER | | | |
| I Unit of Instructions | 05.12.2022 | 28.01.2023 | 8W |
| I Mid Examinations | 30.01.2023 | 04.01.2023 | 1W |
| II Unit of Instructions | 06.01.2023 | 01.04.2023 | 8W |
| II Mid Examinations | 03.04.2023 | 08.04.2023 | 1W |
| Preparation & Practicals | 10.04.2023 | 15.04.2023 | 1W |
| End Examinations | 17.04.2023 | 29.04.2023 | 2W |


Director, 25/6/22
Academics & Planning,
Director
Academic Planning
JNTUK Kakinada

Copy to the Secretary to the Hon'ble Vice Chancellor, JNTUK
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Copy to Director Academic Audit, JNTUK
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ACADEMIC CALENDAR 2022-2023


B. Tech. IV Year

(For 2019 Admitted batch)

| I SEMESTER | | | |
|--|-------------|------------|--------------|
| DESCRIPTION | FROM | TO | WEEKS |
| Commencement of Class Work | 04-07-2022 | | |
| I Unit of Instructions | 04-07-2022 | 27-08-2022 | 8W |
| I Mid Examinations | 29-08-2022 | 03-09-2022 | 1W |
| II Unit of Instructions | 05-09-2022 | 29-10-2022 | 8W |
| II Mid Examinations | 31-10-2022 | 05-11-2022 | 1W |
| Preparation & Practicals | 07-11-2022 | 12-11-2022 | 1W |
| End Examinations | 14-11-2022 | 26-11-2022 | 2W |
| Commencement of II Semester Class Work | 05-12-2022 | | |
| II SEMESTER | | | |
| I Unit of Instructions | 05-12-2022 | 28-01-2023 | 8W |
| I Mid Examinations | 30-01-2023 | 04-02-2023 | 1W |
| II Unit of Instructions | 06-02-2023 | 01-04-2023 | 8W |
| II Mid Examinations | 03-04-2023 | 08-04-2023 | 1W |
| Preparation & Practicals | 10-04-2023 | 15-04-2023 | 1W |
| End Examinations | 17-04-2023 | 29-04-2023 | 2W |




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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Teaching staff work load distribution details

For the Academic Year: 2022-2023

| S. No. | Name of the Faculty | Year | Sem. | Subjects | Theory | Lab | Total work load |
|--------|----------------------|------|------|------------------------|--------|-----|-----------------|
| 1 | Dr. D. Srinivasa Rao | II | I | ECA-II, ECA-II LAB | 5 | 3 | 13 |
| | | IV | I | HVE | 5 | | |
| 2 | K Deepika | II | I | EMF | 5 | | 10 |
| | | IV | I | RE&DET | 5 | | |
| 3 | S Surya Chandra | II | I | SKILL ORIENTED PROGRAM | | 6 | 6 |
| 4 | T Ramanjaneyulu | II | I | DCM&T, DCM&T LAB | 5 | 3 | 13 |
| | | IV | I | UEE | 5 | | |

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IV-I SEM TIME TABLE OF CSE 2022-2023

| | 9:30-10:20 | 10:20-11:10 | 11:20-12:10 | 12:10-1:00 | 1:00-1:50 | 1:50-2:40 | 2:40-2:50 | 2:50-3:40 | 3:40-4:30 |
|--------|------------|-------------|-------------|----------------|-----------|-----------|-----------|-----------|-----------|
| IV CSE | 1 | 2 | 3 | LUNCH BREAK | 4 | 5 | BREAK | 6 | 7 |
| MON | MEFA | WT | BDA | | SA&DP LAB | | | CNS | SADP |
| TUE | CNS | SPM | WT | | SA&DP | BDA | | MEFA | CNS |
| WED | WT | SPM | CNS | | MEFA | SA&DP | | BDA | WT |
| THUR | SA&DP | SPM | MEFA | | CNS | SPM | | WT | BDA |
| FRI | SPM | CNS | SA&DP | | WT LAB | | | MEFA | BDA |
| SAT | BDA | SPM | SA&DP | | CNS | WT | | BDA | MEFA |


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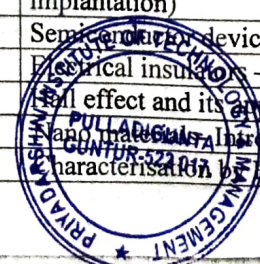
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LESSON PLAN

DEPT: Electronics and Communication Engineering

COURSE: Applied Chemistry

| Unit No. | Schedule of Topics/Activities | Sched uled | Actual | | Remar ks |
|---|---|-------------|-------------|----------|----------|
| | | No of hours | No of hours | Date | |
| UNIT – I: POLYMER TECHNOLOGY | | | | | |
| 1 | Polymers Introduction | 1 | 1 | 17-10-22 | |
| 2 | Methods of Polymerisation (Emulsion & Suspension) | 1 | 2 | 19-10-22 | |
| 3 | Mechanical properties of polymers, Compounding of plastics | 1 | 2 | 22-10-22 | |
| 4 | Fabrication of plastics | 1 | 1 | 25-10-22 | |
| 5 | Preparation, properties and applications of PVC, polycarbonates and bakelite | 1 | 2 | 28-10-22 | |
| 6 | Plastics materials used in electronic gadgets & recycling of e-plastic waste | 1 | 1 | 29-10-22 | |
| 7 | Synthetic rubbers: Buna S, Thiokol and polyurethanes | 1 | 1 | 31-10-22 | |
| 8 | Fiber reinforced plastics & Biodegradable polymers | 1 | 1 | 01-11-22 | |
| 9 | Conducting polymers | 1 | 2 | 04-11-22 | |
| 10 | Biopolymers and biomedical polymers | 1 | 1 | 05-11-22 | |
| UNIT – II: ELECTROCHEMICAL CELLS AND CORROSION | | | | | |
| 11 | Single electrode potential and electrochemical series | 1 | 1 | 07-11-22 | |
| 12 | Standard hydrogen electrode and Calomel electrode and construction of glass electrode | 1 | 1 | 08-11-22 | |
| 13 | Dry Cell, Li ion battery and zinc air cells | 2 | 2 | 11-11-22 | |
| 14 | Fuel cells: H ₂ -O ₂ , CH ₃ OH-O ₂ , phosphoric acid and molten carbonate | 2 | 2 | 15-11-22 | |
| 15 | Corrosion-Introduction- Chemical & electrochemical Corrosion | 1 | 1 | 16-11-22 | |
| 16 | Galvanic Corrosion, Differential aeration corrosion, stress corrosion | 1 | 1 | 18-11-22 | |
| 17 | Galvanic series, Factors which influence the rate of corrosion | 1 | 1 | 19-11-22 | |
| 18 | Corrosion control: Proper design and cathodic protection methods | 1 | 1 | 21-11-22 | |
| 19 | Protective coatings: Surface preparation, cathodic and anodic coatings | 1 | 1 | 22-11-22 | |
| 20 | Protective coatings: Electroplating & Electro less plating, Paints | 1 | 1 | 23-11-22 | |
| UNIT – III: MATERIAL CHEMISTRY | | | | | |
| 21 | Types of semiconductors | 1 | 1 | 25-11-22 | |
| 22 | Preparation of semiconductors (distillation, zone refining and Czochralski crystal pulling) | 1 | 2 | 28-11-22 | |
| 23 | Preparation of semiconductors (epitaxy, diffusion and ion implantation) | 1 | 1 | 29-11-22 | |
| 24 | Semiconductor devices | 1 | 2 | 03-12-22 | |
| 25 | Electrical insulation – ferro and ferri magnetism | 1 | 1 | 05-12-22 | |
| 26 | Solar effect and its applications | 1 | 1 | 06-12-22 | |
| 27 | Preparation of nanomaterials, Sol-gel method | 1 | 1 | 07-12-22 | |
| 28 | Characterisation of nanomaterials by BET, SEM & TEM methods | 1 | 1 | 08-12-22 | |



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| | | | | | |
|---|--|---|---|----------|--|
| 29 | Applications of grapheme, fullerenes & carbon nano tubes | 1 | 2 | 10-12-22 | |
| 30 | Liquid crystals- Introduction | 1 | 1 | 20-12-22 | |
| 31 | Liquid crystals -Types, applications | 1 | 1 | 21-12-22 | |
| 32 | Super conductors- Types, Characteristics and applications. | 1 | 1 | 23-12-22 | |
| UNIT – IV: SPECTROSCOPIC TECHNIQUES &NON-CONVENTIONAL ENERGY SOURCES | | | | | |
| 33 | Electromagnetic spectrum, Laws of absorption | 1 | 1 | 26-12-22 | |
| 34 | Instrumentation of UV spectroscopy | 1 | 1 | 27-12-22 | |
| 35 | Theory of electronic spectroscopy, Frank-Condon principle | 1 | 1 | 28-12-22 | |
| 36 | Chromophores, Auxochromes, Intensity shifts and applications of UV | 1 | 1 | 30-12-22 | |
| 37 | Instrumentation of IR spectroscopy | 1 | 1 | 31-12-22 | |
| 38 | Differentiation of sp, sp ² and sp ³ , IR stretching of functional groups and applications of IR | 1 | 1 | 02-01-23 | |
| 39 | MRI and CT scan procedure and applications | 1 | 2 | 04-01-22 | |
| 40 | Photovoltaic cell, Hydropower, Tidal and wave power | 2 | 2 | 07-01-23 | |
| 41 | Geothermal power | 1 | 1 | 09-01-23 | |
| 42 | Ocean thermal energy conversion | 2 | 2 | 11-01-23 | |
| UNIT – V: ADVANCED CONCEPTS/TOPICS IN CHEMISTRY | | | | | |
| 43 | Computational chemistry: Introduction | 1 | 1 | 17-01-23 | |
| 44 | Molecular modelling and docking studies | 1 | 1 | 18-01-23 | |
| 45 | Characteristics of molecular motors and machines | 1 | 1 | 20-01-23 | |
| 46 | Rotaxanes and Catenanes as artificial molecular machines | 1 | 1 | 21-01-23 | |
| 47 | Prototypes | 1 | 1 | 23-01-23 | |
| 48 | Linear motions in rotaxanes, an aid-base controlled molecular shuttle | 2 | 2 | 25-01-23 | |
| 49 | A molecular elevator and an autonomous light powered molecular motor | 2 | 2 | 28-01-23 | |

Text Books:

1. P.C. Jain and M. Jain “Engineering Chemistry”, 15/e, DhanpatRai& Sons, Delhi, (Latest edition).
2. ShikhaAgarwal, “Engineering Chemistry”, Cambridge University Press, New Delhi, (2019).
3. S.S. Dara, “A Textbook of Engineering Chemistry”, S.Chand& Co, (2010).
4. ShashiChawla, “Engineering Chemistry”, DhanpatRaiPublishing Co. (Latest edition).

Reference Books:

1. K. Seshamaheshwaramma and MridulaChugh, “Engineering Chemistry”, Pearson India Edn.
2. O.G. Palana, “Engineering Chemistry”, Tata McGraw Hill Education Private Limited, (2009).
3. CNR Rao and JM Honig (Eds) “Preparation and characterization of materials” Academic press, New York (latest edition)
4. B. S. Murthy, P. Shankar and others, “Textbook of Nanoscience and Nanotechnology”, University press (latest edition)




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DEPARTMENT OF SCIENCE AND HUMANITIES

Date: 26-12-2022

CIRCULAR

The following is the list of students who got less than 50 % marks in Mid-I examinations held in the month of December for the academic year 2022-2023 for I B. Tech. I Sem. All the course coordinators are informed to conduct remedial classes for the listed students from 28-12-2022 to 07-01-2023, so that they can improve their academic performance.


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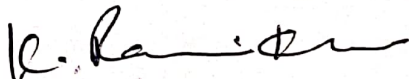
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DEPARTMENT OF SCIENCE AND HUMANITIES
List of the students for remedial classes

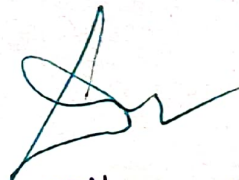
| Subject: Mathematics-I | | |
|--|------------|-------------|
| Name of the Faculty: Dr. P. Rajasekhar | | |
| S. No. | Regd. No. | Mid-I marks |
| 1 | 22GK1A0404 | 3 |

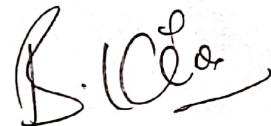
| Subject: Programming for problem solving using C | | |
|--|------------|-------------|
| Name of the Faculty: R Madhuri Devi | | |
| S. No. | Regd. No. | Mid-I marks |
| 1 | 22GK1A0404 | 5 |

| Subject: Applied Chemistry | | |
|---------------------------------------|------------|-------------|
| Name of the Faculty: Dr. K Ravi Kumar | | |
| S. No. | Regd. No. | Mid-I marks |
| 1 | 22GK1A0402 | 5 |
| 2 | 22GK1A0403 | 4 |
| 3 | 22GK1A0404 | 2 |
| 4 | 22GK1A0407 | 4 |


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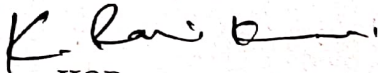
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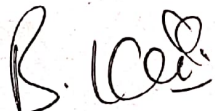
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DEPARTMENT OF SCIENCE AND HUMANITIES
Time table for remedial classes

Time: 4:30 PM to 6:00 PM

| S. No. | Day | Subject | Faculty name |
|--------|-----------|---|-------------------|
| 1 | Monday | Mathematics-I | Dr. P. Rajasekhar |
| 2 | Tuesday | Programming for problem solving using C | R Madhuri Devi |
| 3 | Wednesday | Applied Chemistry | Dr. K Ravi Kumar |
| 4 | Thursday | Mathematics-I | Dr. P. Rajasekhar |
| 5 | Friday | Programming for problem solving using C | R Madhuri Devi |
| 6 | Saturday | Applied Chemistry | Dr. K Ravi Kumar |


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I B. TECH. I SEM

MATHEMATICS-I

Course Objectives:

- To familiarize a variety of well-known sequences and series, with a developing intuition about the behaviour of new ones.
- To enlighten the learners in the concept of differential equations and multivariable calculus
- To equip the students with standard concepts and tools at an intermediate to advanced level
- Mathematics to develop the confidence and ability among the students to handle various real world problems and their applications.

Course Outcomes:

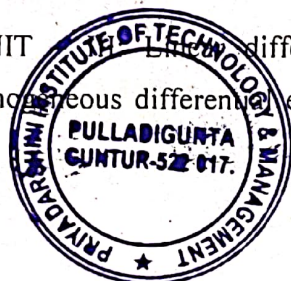
At the end of the course, the student will be able to

- utilize mean value theorems to real life problems (L3)
- solve the differential equations related to various engineering fields (L3)
- familiarize with functions of several variables which is useful in optimization (L3)
- apply double integration techniques in evaluating areas bounded by region (L3)
- Students will also learn important tools of calculus in higher dimensions. Students will become familiar with 2-dimensional and 3-dimensional coordinate systems(L5)

UNIT – I: Sequences, Series and Mean value theorems: Sequences and Series: Convergences and divergence – Ratio test – Comparison tests – Integral test – Cauchy's root test – Alternate series– Leibnitz's rule. Mean Value Theorems (without proofs): Rolle's Theorem – Lagrange's mean value theorem – Cauchy's mean value theorem – Taylor's and Maclaurin's theorems with remainders, Problems and applications on the above theorem.

UNIT – II: Differential equations of first order and first degree: Linear differential equations– Bernoulli's equations –Exact equations and equations reducible to exact form. Applications: Newton's Law of cooling– Law of natural growth and decay– Orthogonal trajectories– Electrical circuits

UNIT – III: Differential equations of higher order: Homogeneous and Non-homogeneous differential equations of higher order with constant coefficients – with non-



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homogeneous term of the type e^{ax} , $\sin ax$, $\cos ax$, polynomials in x . $e^{ax}V(x)$ and $x^n V(x)$
– Method of Variation of parameters, Cauchy and Legendre's linear equations. Applications:
LCR circuit, Simple Harmonic motion.

UNIT – IV: Partial differentiation: Introduction – Homogeneous function – Euler's theorem – Total derivative – Chain rule – Jacobian – Functional dependence – Taylor's and MacLaurin's series expansion of functions of two variables. Applications: Maxima and Minima of functions of two variables without constraints and Lagrange's method.

UNIT – V: Multiple integrals: Double and Triple integrals – Change of order of integration in double integrals – Change of variables to polar, cylindrical and spherical coordinates. Applications: Finding Areas and Volumes.

Text Books:

1. B. S. Grewal, Higher Engineering Mathematics, 44th Edition, Khanna Publishers.
2. B. V. Ramana, Higher Engineering Mathematics, 2007 Edition, Tata Mc. Graw Hill Education.

Reference Books:

1. Erwin Kreyszig, Advanced Engineering Mathematics, 10th Edition, Wiley-India.
2. Joel Hass, Christopher Heil and Maurice D. Weir, Thomas calculus, 14th Edition, Pearson.
3. Lawrence Turyn, Advanced Engineering Mathematics, CRC Press, 2013.
4. Srimantha Pal, S C Bhunia, Engineering Mathematics, Oxford University Press.




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PROGRAMMING FOR PROBLEM SOLVING USING C
I Year - I Semester

Course Objectives:

The objectives of Programming for Problem Solving Using C are

- To learn about the computer systems, computing environments, developing of a computer program and Structure of a C Program
- To gain knowledge of the operators, selection, control statements and repetition in C
- To learn about the design concepts of arrays, strings, enumerated structure and union types and their usage.
- To assimilate about pointers, dynamic memory allocation and know the significance of Pre-processor.
- To assimilate about File I/O and significance of functions

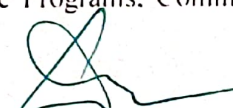
Course Outcomes:

Upon the completion of the course the student will learn

- To write algorithms and to draw flowcharts for solving problems
- To convert flowcharts/algorithms to C Programs, compile and debug programs
- To use different operators, data types and write programs that use two-way/ multi-way selection
- To select the best loop construct for a given problem
- To design and implement programs to analyze the different pointer applications
- To decompose a problem into functions and to develop modular reusable code
- To apply File I/O operations

UNIT I Introduction to Computers: Creating and running Programs, Computer Numbering System, Storing Integers, Storing Real Numbers Introduction to the C Language: Background, C Programs, Identifiers, Types, Variable, Constants, Input/output, Programming Examples, Scope, Storage Classes and Type Qualifiers. Structure of a C Program: Expressions Precedence and Associativity, Side Effects, Evaluating Expressions, Type Conversion Statements, Simple Programs, Command Line Arguments




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UNIT II Bitwise Operators: Exact Size Integer Types, Logical Bitwise Operators, Shift Operators. Selection & Making Decisions: Logical Data and Operators. Two Way Selection, Multiway Selection, More Standard Functions. Repetition: Concept of Loop, Pretest and Post-test Loops, Initialization and Updating. Event and Counter Controlled Loops, Loops in C, Other Statements Related to Looping, Looping Applications, Programming Examples.

UNIT III Arrays: Concepts, Using Array in C, Array Application, Two Dimensional Arrays, Multidimensional Arrays, Programming Example – Calculate Averages Strings: String Concepts, C String, String Input / Output Functions, Arrays of Strings, String Manipulation Functions String/ Data Conversion, A Programming Example – Morse Code Enumerated, Structure, and Union: The Type Definition (Type def), Enumerated Types, Structure, Unions, and Programming Application

UNIT IV Pointers: Introduction, Pointers to pointers, Compatibility, L value and R value Pointer Applications: Arrays, and Pointers, Pointer Arithmetic and Arrays, Memory Allocation Function, Array of Pointers, Programming Application. Processor Commands: Processor Commands.

UNIT V Functions: Designing, Structured Programs, Function in C, User Defined Functions, Inter-Function Communication, Standard Functions, Passing Array to Functions, Passing Pointers to Functions, Recursion Text Input / Output: Files, Streams, Standard Library Input / Output Functions. Formatting Input / Output Functions, Character Input / Output Functions Binary Input / Output: Text versus Binary Streams, Standard Library, Functions for Files, Converting File Type.

Text Books:

- 1) Programming for Problem Solving, Behrouz A. Forouzan, Richard F. Gilberg, CENGAGE.
- 2) The C Programming Language, Brian W. Kernighan, Dennis M. Ritchie, 2e, Pearson.

Reference Books:

- 1) Computer Fundamentals and Programming, Sumithabha Das, Mc Graw Hill.
- 2) Programming in C, Ashok N. Kamthane, Amit Kamthane, Pearson.
- 3) Computer Fundamentals and Programming in C, Pradip Dey, Manas Ghosh, OXFORD.



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APPLIED CHEMISTRY

I Year - II Semester

Course Objectives

- Importance of usage of plastics in household appliances and composites (FRP) in aerospace and automotive industries.
- Outline the basics for the construction of electrochemical cells, batteries and fuel cells. Understand the mechanism of corrosion and how it can be prevented.
- Explain the preparation of semiconductors and nanomaterials, engineering applications of nanomaterials, superconductors and liquid crystals.
- Recall the increase in demand for power and hence alternative sources of power are studied due to depleting sources of fossil fuels. Advanced instrumental techniques are introduced.
- Outline the basics of computational chemistry and molecular switches

UNIT I: POLYMER TECHNOLOGY Polymerisation:- Introduction, methods of polymerization (emulsion and suspension), mechanical properties. Plastics: Compounding, fabrication (compression, injection, blown film and extrusion), preparation, properties and applications (PVC, polycarbonates and Bakelite), mention some examples of plastic materials used in electronic gadgets, recycling of e-plastic waste (waste to wealth). Elastomers:- Introduction, preparation, properties and applications (Buna S, thiokol and polyurethanes). Composite materials: Fiber reinforced plastics, conducting polymers, biodegradable polymers, biopolymers, biomedical polymers. Course Outcomes: At the end of this unit, the students will be able to Analyze the different types of composite plastic materials and interpret the mechanism of conduction in conducting polymers.

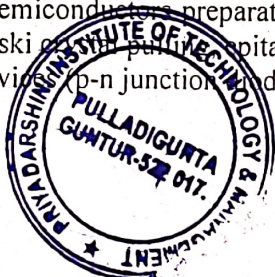
UNIT II: ELECTROCHEMICAL CELLS AND CORROSION Single electrode potential, electrochemical series and uses of series, standard hydrogen electrode, calomel electrode, construction of glass electrode, batteries (Dry cell, Li ion battery and zinc air cells), fuel cells (H₂-O₂, CH₃OH-O₂, phosphoric acid and molten carbonate). Corrosion:- Definition, theories of corrosion (chemical and electrochemical), galvanic corrosion, differential aeration corrosion, stress corrosion, galvanic series, factors influencing rate of corrosion, corrosion control (proper designing and cathodic protection). Protective coatings (surface preparation, cathodic coatings, anodic coatings, electroplating and electroless plating [nickel]), Paints (constituents, functions and special paints) plating [nickel]), Paints (constituents, functions and special paints).

Course Outcomes: At the end of this unit, the students will be able to

- Utilize the theory of construction of electrodes, batteries and fuel cells in redesigning new engineering products and categorize the reasons for corrosion and study methods to control corrosion.

UNIT III: MATERIAL CHEMISTRY

Part I : Non-elemental semiconducting materials:- Stoichiometric, controlled valency & chalcogen photo/semiconductors preparation of semiconductors (distillation, zone refining, Czochralski process, epitaxy, diffusion, ion implantation) - Semiconductor devices (p-n junction, diode as rectifier, junction transistor).



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Insulators & magnetic materials: electrical insulators-ferro and ferri magnetism-Hall effect and its applications.

Part II: Nano materials:- Introduction, sol-gel method, characterization by (Brunauer Emmet Teller [BET]), (scanning electron microscopy [SEM]) and (transmission electron microscopy [TEM]), applications of graphene and fullerenes, carbon nanotubes (types, preparation and applications)

Liquid crystals:- Introduction-types-applications.

Super conductors:-Type –I, Type II-characteristics and applications

Course Outcomes: At the end of this unit, the students will be able to

- Synthesize nanomaterials for modern advances of engineering technology.
- Summarize the preparation of semiconductors; analyze the applications of liquid crystals and superconductors.

UNIT IV: SPECTROSCOPIC TECHNIQUES & NON-CONVENTIONAL ENERGY SOURCES

Part A: SPECTROSCOPIC TECHNIQUES

Electromagnetic spectrum-UV (laws of absorption, instrumentation, theory of electronic spectroscopy, Frank-condon principle, chromophores and auxochromes, intensity shifts, applications), FT-IR [instrumentation and differentiation of sp, sp², sp³ and IR stretching of functional groups (alcohols, carbonyls, amines) applications], magnetic resonance imaging and CT scan (procedure & applications).

Part B: NON-CONVENTIONAL ENERGY SOURCES

Design, working, schematic diagram, advantages and disadvantages of photovoltaic cell, hydropower, geothermal power, tidal and wave power, ocean thermal energy conversion.

Course Outcomes: At the end of this unit, the students will be able to

- Analyze the principles of different analytical instruments and their applications.
- Design models for energy by different natural sources.

UNIT V: ADVANCED CONCEPTS/TOPICS IN CHEMISTRY

Computational chemistry: Introduction to computational chemistry, molecular modelling and docking studies

Molecular switches: characteristics of molecular motors and machines, Rotaxanes and Catenanes as artificial molecular machines, prototypes – linear motions in rotaxanes, an acid-base controlled molecular shuttle, a molecular elevator, an autonomous light-powered molecular motor

Course Outcomes: At the end of this unit, the students will be able to

Obtain the knowledge of computational chemistry and molecular machines

Text Books:

1. P.C. Jain and M. Jain “Engineering Chemistry”, 15/e, Dhanpat Rai & Sons, Delhi, (Latest edition).
2. Shikha Agarwal, “Engineering Chemistry”, Cambridge University Press, New Delhi, (2019).
3. S.S. Dara, “A Textbook of Engineering Chemistry”, S.Chand & Co, (2010).
4. Shashi Chawla, “Engineering Chemistry”, Dhanpat Rai Publishing Co. (Latest edition).



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From
Dean,
Finishing school
PITM

To
THE HOD
S&H
PITM

Request for faculty and Class rooms to conduct Remedial classes.

Sir/Madam,

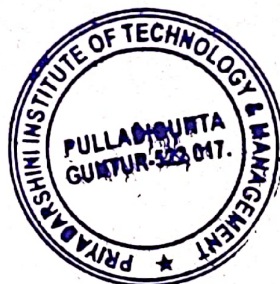
This is inform you that finishing school of PITM is conducting Remedial classes for B.Tech I year students to clear their backlogs of sem-I

To conduct the classes we request you

- 1) Permit us to use 2 online classes from 3pm-4pm from 28-12-2022 to 07-01-2023
- 2) Nominate faculty to teach the following courses:

| S.No | YEAR | Course title | No. Of students | Name of the faculty | Signature of the faculty |
|------|------|---|-----------------|---------------------|--------------------------|
| 1 | I-I | Mathematics-I | 1 | Dr. P. Rajasekhar | |
| 2 | I-I | PROGRAMMING FOR PROBLEM SOLVING USING C | 1 | R.MADHURI DEVI | |
| 3 | I-II | APPLIED CHEMISTRY | 4 | DR.K.RAVI KUMAR | |

Thanking you
Yours sincerely



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| SL.N | Roll no | Subje ct code | Subject name | 28- 12- 202 2 | 29- 12- 202 2 | 30- 12- 202 2 | 1- 01- 202 3 | 2- 01- 202 3 | 3- 01- 202 3 | 4- 01- 202 3 | 05- 01- 202 3 | 6- 01- 202 3 | 7- 01- 202 3 |
|------|----------------|---------------------|-----------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|-----------------------|
| 1 | 22GK1A040 4 | | M-I | P | A | P | A | P | P | A | A | A | P |




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| SL.N o | Roll no | Subje ct code | Subject name | 28- 12- 202 2 | 29- 12- 202 2 | 30- 12- 202 2 | 1- 01- 202 3 | 2- 01- 202 3 | 3- 01- 202 3 | 4- 01- 202 3 | 05- 01- 202 3 | 6- 01- 202 3 | 7- 01- 202 3 |
|-----------|----------------|---------------------|-----------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|-----------------------|
| 1 | 22GK1A0 404 | | PROGRA M C | P | P | P | P | P | P | A | P | P | P |



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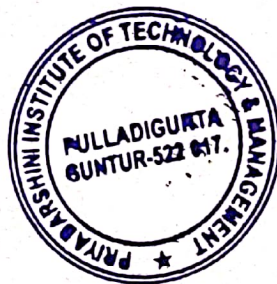


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| SL. No | Roll no | Subject code | Subject name | 28-12-2022 | 29-12-2022 | 30-12-2022 | 1-01-2023 | 2-01-2023 | 3-01-2023 | 4-01-2023 | 05-01-2023 | 6-01-2023 | 7-01-2023 |
|--------|------------|--------------|-------------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|
| 1 | 22GK1A0402 | | Applied chemistry | p | P | P | p | p | P | P | p | A | P |
| 2 | 22GK1A0403 | | Applied chemistry | A | P | P | p | P | P | p | A | P | p |
| 3 | 22GK1A0404 | | Applied chemistry | P | p | P | p | p | p | p | P | P | p |
| 4 | 22GK1A0407 | | Applied chemistry | P | P | P | P | P | A | P | P | P | P |




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Department: S&H

Year: I

Sem: I

Subject: Mathematics-I

Faculty Name: Dr. P. Rajasekhar

| S.No | Item | Feedback |
|------|------------------------------|---|
| 1 | Material presented | Excellent /very good/good/average/below average |
| 2 | Teaching clarity | Excellent /very good/good/average/below average |
| 3 | Covering of important topics | Excellent /very good/good/average/below average |
| 4 | doubts clarification | Excellent/very good/good/average/below average |




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Department: S&H

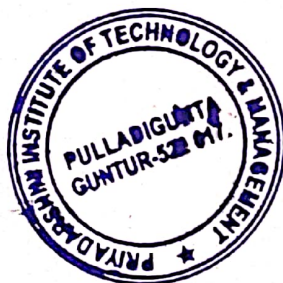
Year: I

Sem: I

Subject: PROGRAMMING FOR PROBLEM SOLVING USING C

Faculty Name : R.Madhuri devi

| S.No | Item | Feedback |
|------|------------------------------|--|
| 1 | Material presented | Excellent/very good/good/average/below average |
| 2 | Teaching clarity | Excellent/very good/good/average/below average |
| 3 | Covering of important topics | Excellent/very good/good/average/below average |
| 4 | doubts clarification | Excellent/very good/good/average/below average |



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Department: S&H

Year: I

Sem: II

Subject: Applied chemistry

Faculty Name: DR.K.RAVI KUMAR

| S.No | Item | Feedback |
|------|------------------------------|--|
| 1 | Material presented | Excellent/very good/good/average/below average |
| 2 | Teaching clarity | Excellent/very good/good/average/below average |
| 3 | Covering of important topics | Excellent/very good/good/average/below average |
| 4 | doubts clarification | Excellent/very good/good/average/below average |




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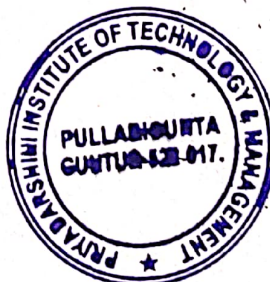
Report on Remedial classes

This is to inform you that Priyadarshini institute of technology and management is conducting remedial classes for B.tech I year students to gain the subject knowledge for mid-1 weak subjects.

1. Remedial classes are conducted in different subjects to support the students in achieving subject knowledge for their weak subjects

2. the classes are aimed to help the students having a maximum of three weak subjects

| Sl no | course | No of students attended | No of students passed | Pass % |
|-------|---|-------------------------|-----------------------|--------|
| 1 | Mathematics-I | 1 | 1 | 100% |
| 2 | PROGRAMMING FOR PROBLEM SOLVING USING C | 1 | 1 | 100% |
| 3 | APPLIED CHEMISTRY | 4 | 3 | 75% |

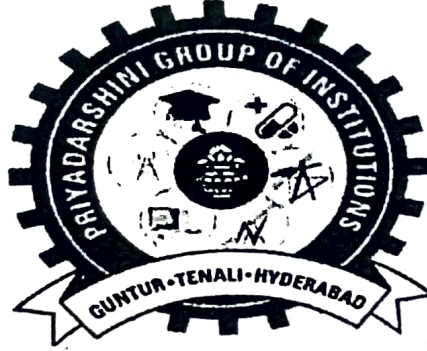



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5TH MILE PULLADIGUNTA (V), VATTICHERUKURU (M), GUNTUR DT. (A.P.)



DEPARTMENT OF CIVIL ENGINEERING

BONA FIDE CERTIFICATE

This is to certify that the project entitled **SEISMIC ANALYSIS OF GROUND SUPPORTED LIQUID RETAINING CONCRETE TANK** is a Bonafide work of **S.ESWARARAO(19GK1A0145),M.TEJA(19GK1A0134),K.PRAMEELA(19GK1A0132), N.AMAR BALAJI (20GK5A0103)** for the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY in CIVIL ENGINEERING** for the academic year 2019-2023. This work is done under our guidance and supervision.


INTERNAL GUIDE:

Mr. SK. NAGUR SHARIEF M.Tech
ASST.PROFESSOR


HEAD OF DEPARTMENT

Mrs .S. MADHUBALA M.Tech
ASST. PROFESSOR


EXTERNAL EXAMINER


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Vatticherukuru (M), Guntur Dist, A.P-522017
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "A REVIEW ON SOLAR POWER GENERATION SYSTEM WITH A SEVEN-LEVEL INVERTER" that is being submitted by Mr. Roshan Kumar bearing Roll No: 21GK1D5601 in partial fulfillment of the requirement for the award of the degree of the Master of Technology in Power Systems during 2021-2023. The results of investigation enclosed in this report have been verified and found satisfactory. The results embodied in the project have not been submitted to any university or institute for the award of any other degree or diploma.

K. Deepika
Internal guide
Ms. K. Deepika
Assistant Professor,

Dr. D. S. Rao
Head of the department
Dr. D. Srinivasa Rao
Professor & HOD-EEE.

N. Srinivas
External Examiner



[Signature]
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5th Mile, Pulladigunta, Vatticherukuru Mandal,

Guntur Dist, Andhra Pradesh

2019-2023



CERTIFICATE


**A PROJECT REPORT ON
ROAD SIGN INTIMATION THROUGH VOICE
ALERT SYSTEM USING DEEP LEARNING**

This is to certify that the thesis entitled "A PROJECT REPORT ON ROAD SIGN INTIMATION THROUGH VOICE ALERT SYSTEM USING DEEP LEARNING" is a bonified project work carried out by KUNCHANAPALLI MANIKANTA 19GK1A0518, PULLETIPALLI SUMIYA 19GK1A0536, GOLLA JAYASRI 19GK1A0509 worked under my supervision, and submitted in partial fulfillment of the requirements for the degree of BACHELOR OF TECHNOLOGY in computer science engineering during the academic year 2019-23.


R. NAGA MANI

ASSOCIATE PROFESSOR

ASSOCIATE PROFESSOR


EXTERNAL EXAMINER


Head Of The Dept(CSE)

Mrs. Madhuri Devi

HOD




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Andhra Pradesh State
Council of Higher Education



Virtual Internship Completion Certificate

This is to certify that

VENKATA SAI KRISHNA UMMANABOINA

Priyadarshini Institute Of Technology & Management

has successfully completed 10 weeks
Cybersecurity Virtual Internship
During Sep - Nov 2022


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Certificate ID :8089d2ce7a8a716d87f4495132af5bba




Prof. K. Hemachandra Reddy
Chairman, Andhra Pradesh State
Council of Higher Education

Supported By





Saravanan Rajagopal
Training Partner Manager, APAC
Palo Alto Networks



Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills

CERTIFICATE OF COMPLETION

This is to certify that

Mr. / Ms. Ghantasala Devi Lakshmana Rao

Has successfully completed the PYTHON Programming Bootcamp
on March 25th, 2023.



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D No 29-2-172,2/3 Brodipet, Guntur, AP - 522 002, India.
Ph: +91 8500 64 7979, www.guideitsol.com

K. Raveey Kumar

Signature



[Signature]
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VISHISHTA INNOVATORS PRIVATE LIMITED

IDEA IMPLEMENTATION REALITY

CIN: U31500AP2020PTC116484

Guntur,
1-10-2022

Certificate of Internship

This is to certify that Mr. / Ms. DASARI SIRISHA

bearing Roll No: 20GK1A0508 , studying III B. Tech in Computer Science and Engineering at PRIYADARSHINI INSTITUTE OF TECHNOLOGY & MANAGEMENT, Guntur has completed Internship on Industrial Air Quality Monitoring System using Blynk IoT Cloud at VISHISHTA INNOVATORS PRIVATE LIMITED, Guntur from 15/07/2022 to 10/09/2022 (Eight Weeks).

During the tenure of his/her training, his/her conduct and contribution have been found to be Good.

We wish him all the best.


Sai Saandeeep
Managing Director
VISHISHTA INNOVATORS PRIVATE LIMITED
GUNTUR




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List of Certificate/ Add-on Programs

Academic Year: 2022-23

| S.No | Name of the Program | Duration of Course | No. of Participants |
|------|--|--------------------------|---------------------|
| 1 | A Ten days Certificate Program on "AutoCAD" | 17-04-2023 to 28-04-2023 | 34 |
| 2 | A ten days Certificate Program on Simulink in MATLAB | 13-02-2023 to 24-02-2023 | 21 |
| 3 | A ten days Certificate Program on Advanced Materials | 01-08-2022 to 13-08-2022 | 28 |
| 4 | A ten days Certificate Program on VLSI Design | 11-10-2022 to 22-10-2022 | 110 |
| 5 | A One Week Certificate Program on cloud computing | 18-07-2022 to 23-07-2022 | 50 |
| 6 | A Two Week Certificate Program on PYTHON PROGRAMING | 05-09-2022 to 17-09-2022 | 50 |
| 7 | A ten days Certificate Program on BUSINESS ENVIRONMENT | 07-11-2022 to 19-11-2022 | 62 |


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5th Mile, Pulladigunta,
KORNEPADU (Vil), Vatticherukuru (M)
GUNTUR - 522 017



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH I SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, NOVEMBER/DECEMBER - 2022

REVISED TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

| BRANCH | DATE & DAY | | | | | |
|--|--|--|---|---|---|--------------------------|
| | 28.11.2022 (Monday) | 29.11.2022 (Tuesday) | 30.11.2022 (Wednesday) | 01.12.2022 (Thursday) | 02.12.2022 (Friday) | 03.12.2022 (Saturday) |
| CIVIL ENGINEERING (01 CE) | Structural Analysis (R2031011) | Design And Drawing of Reinforced Concrete Structures (R2031012) | Geotechnical Engineering - I (R2031013) | Professional Elective (PE) :- | Open Elective (OE I) :- | |
| | | | | Construction Technology & Management R203101A | Strength of Materials R203101E | |
| | | | | Remote Sensing and GIS R203101B | Fluid Mechanics R203101F | |
| | | | | Environmental Impact Assessment R203101C | Surveying and Geomatics R203101G | |
| | | | | Low-Cost Housing R203101D | Highway Engineering R203101H | |
| | | | | | Safety Engineering R203101I | |
| | | | | | Environmental Management R203101J | |
| ELECTRICAL AND ELECTRONICS ENGINEERING (02 EEE) | Power Systems-II (R2031021) | Power Electronics (R2031022) | Control Systems (R2031023) | Professional Elective (PE) :- | Open Elective (OE I) :- | |
| | | | | Linear Ic Applications R203102A | Renewable Energy Sources R203102F | |
| | | | | Utilization Of Electrical Energy R203102B | Concepts Of Optimization Techniques R203102G | |
| | | | | Computer Architecture And Organization R203102C | Concepts of Control Systems R203102H | |
| | | | | Optimization Techniques R203102D | | |
| | | | | Object Oriented Programming Through Java R203102E | | |
| | | | | Optimization Techniques R203102D | | |
| | | | | Object Oriented Programming Through Java R203102E | | |
| MECHANICAL ENGINEERING (03 ME) | Thermal Engineering-II (R2031031) | Design of Machine Members-I (R2031032) | Machining, Machine Tools & Metrology (R2031033) | Professional Elective (PE) :- | Open Elective (OE I) :- | |
| | | | | Finite Element Methods R203103A | Sustainable Energy Technologies R203103G | |
| | | | | Industrial Robotics R203103B | Operations Research R203103H | |
| | | | | Advanced Materials R203103C | Nano Technology R203103I | |
| | | | | Renewable Energy Sources R203103D | Thermal Management of Electronic systems R203103I | |
| | | | | Mechanics of Composites R203103E | | |
| | | | | MOOCs (NPTEL/Swayam) R203103F | | |
| Professional Elective (PE) :- | Open Elective (OE I) :- | | | | | |
| Antenna and Propagation | Basics of Signals and Systems R203104D | | | | | |



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UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH I SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, NOVEMBER/DECEMBER - 2022

REVISED TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

| BRANCH | DATE & DAY | | | | | |
|---|--|--|---|---|--|--------------------------|
| | 28.11.2022 (Monday) | 29.11.2022 (Tuesday) | 30.11.2022 (Wednesday) | 01.12.2022 (Thursday) | 02.12.2022 (Friday) | 03.12.2022 (Saturday) |
| ELECTRONICS & COMMUNICATION ENGINEERING (04 ECE) | Analog ICs and Applications (R2031041) | Electromagnetic Waves and Transmission Lines (R2031042) | Digital Communications (R2031043) | R203104A | Electronic Measurements and Instrum. R203104E | |
| | | | | Electronic Measurements & Instrumentation R203104B | Principles of Signal Processing R203104F | |
| | | | | Computer Architecture & Organization R203104C | Industrial Electronics R203104G | |
| | | | | | Consumer Electronics R203104H | |
| | | | | | Fundamentals of Microprocessors and Microcontrollers R203104I | |
| | | | | | Transducers and Sensors R203104J | |
| | | | | | IOT and Applications R203104K | |
| | | | | | Soft Computing Techniques R203104L | |
| | | | | | IC Applications R203104M | |
| | | | | | Principles of Communications R203104N | |
| | | | | | Basic Electronics R203104O | |
| | | | | | Data Communications R203104P | |
| | | | | | Digital Logic Design R203104Q | |
| | Remote Sensing and GIS R203104R | | | | | |
| | Bio Medical Instrumentation R203104S | | | | | |
| | Introduction to Microprocessor and Microcontrollers R203114G | | | | | |
| COMPUTER SCIENCE & ENGINEERING (05 CSE) | Computer Networks (R2031051) (Common to CSE,IT) | Design and Analysis of Algorithms (R2031052) (Common to CSE,IT) | Data Warehousing and Data Mining (R2031053) | Professional Elective (PE II) :- Artificial Intelligence R203105A | Open Elective (OE I) :- Optimization in Operations Research R203105E | |
| | | | | Software Project Management R203105B | Data Structures R203105F | |
| | | | | Distributed Systems R203105C | Object Oriented Progra. through JAVA R203105G | |
| | | | | Advanced Unix Programming R193205D | Data Base Management Systems R203105H | |
| | | | | | Computer Graphics R203105I | |
| | | | | | Advanced UNIX Programming R203105J | |
| | | | | | Computer Organization and Arch. R203105K | |
| | | | | | Operating Systems R203105L | |
| | | | | | | |
| | | | | | | |
| INFORMATION TECHNOLOGY (12 IT) | Computer Networks (R2031051) (Common to CSE,IT) | Design and Analysis of Algorithms (R2031052) (Common to CSE,IT) | Data Mining Techniques (R2031121) | Professional Elective (PE II) :- Artificial Intelligence R203105A | Open Elective (OE I) :- DevOps R203112B | |
| | | | | Distributed Systems R203105C | Data Structures R203105F | |
| | | | | Advanced Unix Programming R203105D | Object Oriented Progra. through JAVA R203105G | |
| | | | | Agile Software Process R203112A | Data Base Management Systems R203105H | |
| | | | | | Computer Graphics R203105I | |
| | | | | | Advanced UNIX Programming R203105J | |
| | | | | | Computer Organization and Arch. R203105K | |
| | | | | | Operating Systems R203105L | |
| | | | | | | |
| | | | | | | |
| | Professional Elective (PE) :- | Open Elective (OE I) :- | | | | |



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III B.TECH I SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, NOVEMBER/DECEMBER - 2022

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| AUTO MOBILE ENGINEERING (24 AME) | Theory of Machines (R2031241) | Production Technology (R2031242) | Vehicle Dynamics (R2031243) | Alternative Fuels for Engines R203124A | Basic Automobile Engineering R203124G | |
| | | | | Two and Three Wheelers R203124B | Automobile Maintenance and Safety R203124H | |
| | | | | Microprocessor and Micro Controllers R203124C | Automobile Emissions and Effects R203124I | |
| | | | | Heat Transfer R203124D | | |
| | | | | Industrial Hydraulics and Pneumatics R203124E | | |
| | | | | MOOC's/NPTEL R203124F | | |
| MINING ENGINEERING (26 MM) | Mine Hazards and Rescue (R2031261) | Underground Coal Mining (R2031262) | Mine Hoisting and Transportation (R2031263) | <u>Professional Elective (PE) :-</u> | <u>Open Elective (OE I) :-</u> | |
| | | | | Remote Sensing and GIS R203101B | Introduction to Underground Mining R203126D | |
| | | | | Resource Evaluation and Geo-Statistics - R203126A | Introduction to Surface Mining R203126E | |
| | | | | Mine Planning and Design R203126B | Tunneling and Underground Space Design R203126F | |
| | | | | Mine Safety & Ergonomics R203126C | Engineering Survey R203126G | |
| AGRICULTURAL ENGINEERING (35 AGE) | Farm Machinery and Equipment - I (R2031351) | Surface Water Hydrology (R2031352) | Post Harvest Engineering of Cereals, Pulses and Oilseeds (R2031353) | <u>Professional Elective - I</u> | <u>Open Elective - I</u> | |
| | | | | Seed Processing and Storage Engineering R203135A | Principles of Soil Science and Agronomy R203135D | |
| | | | | Greenhouse Technology R203135B | Farm Power and Tractor Systems R203135E | |
| | | | | Tractor Design and Testing R203135C | Soil and Water Conservation Engineering R203135F | |
| | | | | | Ground Water Hydrology, Wells and Pumps R203135G | |
| | | | | | Surface Water Hydrology R203135H | |
| | | | | | Post Harvest Engineering of Cereals Pulses and Oilseeds R203135I | |
| | | | | | Agricultural Process Engineering R203135J | |
| <u>Professional Elective (PE) :-</u> | <u>Open Elective (OE I) :-</u> | | | | | |





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III B.TECH I SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, NOVEMBER/DECEMBER - 2022

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| | 28.11.2022 (Monday) | 29.11.2022 (Tuesday) | 30.11.2022 (Wednesday) | 01.12.2022 (Thursday) | 02.12.2022 (Friday) | 03.12.2022 (Saturday) |
| CSE (Artificial Intelligence and Machine Learning) (42) | Compiler Design (R2031421) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) | Operating Systems (R2031422) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) | Machine Learning (R2031423) (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML) | Software Engineering R203142A | Optimization in Operations Research R203105E | |
| | | | | Computer Vision R203142B | | |
| | | | | Data Visualization R203142C | | |
| | | | | DevOps R203142D | | |
| | | | | MOOC's/NPTEL R203142E | | |
| CSE (Artificial Intelligence) (43) | Compiler Design (R2031421) (Common to CSE(AIML), CSE(AI),CSE(DS), CSE(AIDS),AIDS,AIML,CSD) | Operating Systems (R2031422) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) | Machine Learning (R2031423) (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML) | Professional Elective (PE) :- | Open Elective (OE I) :- | |
| | | | | Software Engineering R203142A | Optimization in Operations Research R203105E | |
| | | | | Computer Vision R203142B | | |
| | | | | Data Visualization R203142C | | |
| | | | | DevOps R203142D | | |
| CSE (Data Science) (44) | Compiler Design (R2031421) (Common to CSE(AIML), CSE(AI),CSE(DS), CSE(AIDS),AIDS,AIML,CSD) | Operating Systems (R2031422) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) | Machine Learning (R2031423) (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML) | Professional Elective (PE) :- | Open Elective (OE I) :- | |
| | | | | Software Engineering R203142A | Optimization in Operations Research R203105E | |
| | | | | DevOps R203142D | | |
| | | | | Object Oriented Analysis and Design R203144A | | |
| | | | | Internet of Things R203144B | | |
| CSE (Artificial Intelligence and Data Science) (45) | Compiler Design (R2031421) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) | Operating Systems (R2031422) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) | Machine Learning (R2031423) (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML) | Professional Elective (PE) :- | Open Elective (OE I) :- | |
| | | | | Software Engineering R203142A | Optimization in Operations Research R203105E | |
| | | | | Object Oriented Analysis and Design R203144A | | |
| | | | | Internet of Things R203144B | | |
| | | | | DevOps R203142D | | |
| | | | | Professional Elective (PE) :- | Open Elective (OE I) :- | |



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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

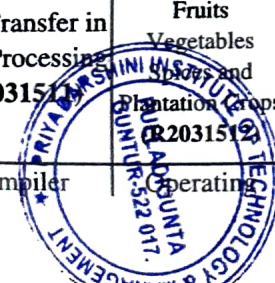
UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH I SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, NOVEMBER/DECEMBER - 2022

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| CSE (Cyber Security) (46) | Computer Networks (R2031461) (Common to CSE(CS),IOTCSIBCT,CSE(IOT),CS,C SBS) | Software Engineering (R2031462) (Common to CSE(CS),CS) | Design and Analysis of Algorithms (R2031463) (Common to CSE(CS),IOTCSOBC T,CSE(IOT),CS) | Computer Graphics R203146A | Web Technologies R203146F | |
| | | | | Artificial Intelligence R203146B | Data Structures R203146G | |
| | | | | Compiler Design R203146C | Computer Networks R203146H | |
| | | | | Advanced Data Structures R203146D | Data Base Management Systems R203146I | |
| | | | | Principles of Programming Languages R203146E | Problem Solving using Python R203146J | |
| CSE (Internet of things and Cyber security including Block chain Technology) (47) | Computer Networks (R2031461) (Common to CSE(CS),IOTCSIBCT,CSE(IOT),CS,C SBS) | IoT Architecture and its Protocols (R2031471) (Common to IOTCSIBCT,CSE(IOT)) | Design and Analysis of Algorithms (R2031463) (Common to CSE(CS),IOTCSOBC T,CSE(IOT),CS) | Professional Elective (PE) :- | Open Elective (OE I) :- | |
| | | | | Data Warehousing & Data Mining R203147A | Web Technologies R203147C | |
| | | | | Compiler Design R203146C | Data Structures R203147D | |
| | | | | Software Engineering R203142A | Computer Networks R203147E | |
| | | | | Micro Processors & Micro Controllers R203147B | Data Base Management Systems R203147F | |
| | | | | Computer Graphics R203146A | Problem Solving using Python R203147G | |
| | | | | | Open Electives offered by other Departments R203148D | |
| CSE (Internet of Things) (49) | Computer Networks (R2031461) (Common to CSE(CS),IOTCSIBCT,CSE(IOT),CS,CSBS) | IoT Architecture and its Protocols (R2031471) (Common to IOTCSIBCT,CSE(IOT)) | Design and Analysis of Algorithms (R2031463) (Common to CSE(CS),IOTCSOBC T,CSE(IOT),CS) | Professional Elective (PE) :- | Open Elective (OE I) :- | |
| | | | | Compiler Design R203146C | Natural Language Processing R203149B | |
| | | | | Software Engineering R203142A | Data Structures R203149C | |
| | | | | Computer Graphics R203146A | Computer Networks R203149D | |
| | | | | Principles of Programming Languages R203146E | Data Base Management System R203149E | |
| | | | | Advanced Computer Architecture R203149A | Problem Solving using Python R203149F | |
| FOOD ENGINEERING (51) | Heat Transfer in Food Processing (R2031511) | Processing of Fruits Vegetables and Plantation Crops (R2031512) | Food Plant Design and Process Economics (R2031513) | Transport Phenomena in Food Engineering R203151A | Food Material Science and Engineering R203151D | |
| | | | | Statistical Methods in Food Engineering R203151B | Biochemical Engineering R203151E | |
| | | | | Process Modeling and Simulation R203151C | Food Thermodynamics R203151F | |
| | | | | Professional Elective (PE) :- | Open Elective (OE I) :- | |



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III B.TECH I SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, NOVEMBER/DECEMBER - 2022

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| ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54) | Design (R2031421) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CS) | Systems (R2031422) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CS) | Learning (R2031423) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML) | Software Engineering R203142A | Optimization in Operations Research R203105E | |
| | | | | DevOps R203142D | | |
| | | | | Object Oriented Analysis and Design R203144A | | |
| | | | | Internet of Things R203144B | | |
| PHARMACEUTICAL ENGINEERING (55) | Managerial Economics and Financial Accountancy (R2031551) | Pharmaceutical Engineering-I (R2031552) | Biopharmaceuticals and Pharmacokinetics (R2031553) | Professional Elective (PE) :- Quality Control and Assurance R203155A | Open Elective (OE I) :- Non-Conventional Energy Sources R203155D | Biostatistics R2031554 |
| | | | | Food Processing Technology R203155B | Introduction to Data Structures R203155E | |
| | | | | Pharmaceutical Biotechnology R203155C | Design and Analysis of Experiments R203155F | |
| | | | | | | |
| CYBER SECURITY (59) | Computer Networks (R2031461) (Common to CSE(CS), IOTCSIBCT, CSE(IOT), CS, CSBS) | Software Engineering (R2031462) (Common to CSE(CS), CS) | Design and Analysis of Algorithms (R2031463) (Common to CSE(CS), IOTCSIBCT, CSE(IOT), CS) | Professional Elective (PE) :- Computer Graphics R203146A | Open Elective (OE I) :- Web Technologies R203146F | |
| | | | | Artificial Intelligence R203146B | Data Structures R203146G | |
| | | | | Compiler Design R203146C | Computer Networks R203146H | |
| | | | | Advanced Data Structures R203146D | Data Base Management Systems R203146I | |
| | | | | Principles of Programming Languages R203146E | Problem Solving using Python R203146J | |
| | | | | | | |
| ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61) | Compiler Design (R2031421) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CS) | Operating Systems (R2031422) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CS) | Machine Learning (R2031423) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML) | Professional Elective (PE) :- Software Engineering R203142A | Open Elective (OE I) :- Optimization in Operations Research R203105E | |
| | | | | Computer Vision R203142B | | |
| | | | | Data Visualization R203142C | | |
| | | | | DevOps R203142D | | |
| | | | | MOOC's/NPTEL R203142E | | |
| | | | | | | |

NOTE:

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



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GUNTUR - 522 017

Prakash a. kalyan

Controller of Examinations

DATE: 17-11-2022



II B.TECH I SEMESTER (R20)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

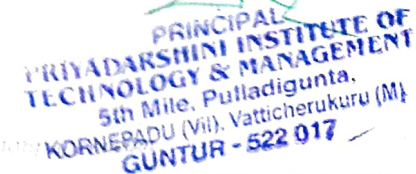
UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH I SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, JANUARY - 2023

TIME TABLE

TIME: 10.00 AM TO 01.00 PM

| BRANCH | DAY AND DATE | | | | |
|---|--|--|---|--|---|
| | 18-01-2023 (Wednesday) | 20-01-2023 (Friday) | 23-01-2023 (Monday) | 25-01-2023 (Wednesday) | 28-01-2023 (Saturday) |
| CIVIL ENGINEERING (01-CE) | Mathematics -III R2021011 (Except EEE,FE) | Strength of Materials-I R2021012 | Fluid Mechanics R2021013 | Surveying and Geometrics R2021014 | Highway Engineering R2021015 |
| ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE) | Mathematics – IV R2021021 | Electronic Devices and Circuits R2021022 | Electrical Circuit Analysis –II R2021023 | DC Machines and Transformers R2021024 | Electro Magnetic Fields R2021025 |
| MECHANICAL ENGINEERING (03-ME) | Mathematics -III R2021011 (Except EEE,FE) | Mechanics of Solids R2021031 (Common to ME,AME) | Production Technology R2021033 | Fluid Mechanics & Hydraulic Machines R2021032 (Comm to ME,AME) | Kinematics of Machinery R2021034 |
| ELECTRONICS & COMMUNICATION ENGINEERING (04-ECE) | Mathematics -III R2021011 (Except EEE,FE) | Electronic Devices and Circuits R2021041 (Common to ECE,EIE,ECT) | Switching Theory and Logic Design R2021042 (Common to ECE,EIE,ECT) | Signals and Systems R2021043 (Common to ECE,EIE,ECT) | Random Variables and Stochastic Processes R2021044 (Common to ECE,ECT) |
| COMPUTER SCIENCE & ENGINEERING (05-CSE) | Mathematics -III R2021011 (Except EEE,FE) | Mathematical Foundations of Computer Science R2021054 (Comm to CSE, CST, CSE (AIML), AI,DS,CSE(AIDS),CSE (CS),IOTCSBT,CSBS,IOT,AIDS,CS,AIML,IOT,CSD) | Object Oriented Programming through C++ R2021051 (Common to CSE,IT) | Operating Systems R2021052 (Common to CSE,CST,IT,CS,IOTCSBT,IOT,CS) | Software Engineering R2021053 |
| COMPUTER SCIENCE & TECHNOLOGY (06) | Mathematics -III R2021011 (Except EEE,FE) | Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML),CSE(AIDS),CSE(CS),IOTCSBT,CSBS,IOT,AIDS,CS,AIML,IOT,CSD) | Data Structures R2021061 (Common to CST,CSE (CS) CS,IOTCSBT,CSBS,IOT,CS,IOT) | Operating Systems R2021052 (Common to CSE,CST,IT,CSE(CS),IOTCSBT,IOT) | Java Programming R2021062 (Common to CST,CSE(CS),IOTCSBT,IOT,CS,IOT) |





II B.TECH I SEMESTER (R20)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH I SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, JANUARY - 2023

TIME TABLE

TIME: 10.00 AM TO 01.00 PM

| BRANCH | DAY AND DATE | | | | |
|---|--|--|--|--|---|
| | 18-01-2023 (Wednesday) | 20-01-2023 (Friday) | 23-01-2023 (Monday) | 25-01-2023 (Wednesday) | 28-01-2023 (Saturday) |
| ELECTRONICS AND INSTRUMENTATION ENGINEERING (10-EIE) | Mathematics -III R2021011 (Except EEE,FE) | Electronic Devices and Circuits R2021041 (Common to ECE,EIE,ECT) | Switching Theory and Logic Design R2021042 (Common to ECE,EIE,ECT) | Signals and Systems R2021043 (Common to ECE,EIE,ECT) | Electronic Measurements and Instrumentation R2021101 |
| INFORMATION TECHNOLOGY (12-IT) | Mathematics -III R2021011 (Except EEE,FE) | Discrete Mathematics and Graph Theory R2021122 | Object Oriented Programming through C++ R2021051 (Common to CSE, IT) | Operating Systems R2021052 (Common to CSE,CST,IT,CS,IOTCSBT,IOT) | Database Management Systems R2021121 (Common to IT,CSE(AI/ML), AI,DS,CSE(AIDS), AIDS,AI/ML,CSD) |
| ELECTRONICS & COMMUNICATION TECHNOLOGY (14) | Mathematics -III R2021011 (Except EEE,FE) | Electronic Devices and Circuits R2021041 (Common to ECE,EIE,ECT) | Switching Theory and Logic Design R2021042 (Common to ECE,EIE,ECT) | Signals and Systems R2021043 (Common to ECE,EIE,ECT) | Random Variables and Stochastic Process R2021044 (Common to ECE,ECT) |
| AUTO MOBILE ENGINEERING (24-AME) | Mathematics -III R2021011 (Except EEE,FE) | Mechanics of Solids R2021031 (Common to ME,AME) | Thermodynamics R2021241 | Fluid Mechanics & Hydraulic Machines R2021032 (Comm to ME,AME) | Components of Automobile Chassis R2021242 |
| MINING ENGINEERING (26-MM) | Mathematics -III R2021011 (Except EEE,FE) | Development of Mineral Deposits R2021261 | Mine Surveying R2021262 | Engineering and Economic Geology R2021263 | Mineral Processing Technology R2021264 |
| PETROLEUM ENGINEERING/PETROLEUM TECHNOLOGY (27-PE) | Mathematics -III R2021011 (Except EEE,FE) | Petroleum Geology R2021271 | Fluid Mechanics for Petroleum Engineers R2021272 | Heat Transfer Operations R2021273 | Material and Energy Balances R2021274 |



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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH I SEMESTER (R20)

II B.TECH I SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, JANUARY - 2023

TIME TABLE

TIME: 10.00 AM TO 01.00 PM

| BRANCH | DAY AND DATE | | | | |
|---|---|--|--|---|--|
| | 18-01-2023 (Wednesday) | 20-01-2023 (Friday) | 23-01-2023 (Monday) | 25-01-2023 (Wednesday) | 28-01-2023 (Saturday) |
| AGRICULTURAL ENGINEERING (35-AGE) | Mathematics -III R2021011 (Except EEE,FE) | Surveying and Leveling R2021351 | Fluid Mechanics and Open Channel Hydraulics R2021352 | Properties and Strength of Materials R2021353 | Farm Power and Tractor Systems R2021354 |
| CSE (Artificial Intelligence and Machine Learning) (42) | Mathematics -III R2021011 (Except EEE,FE) | Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML), ALDS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS .IOT,AIDS,CS,AIML,IOT,CSD) | Introduction to Artificial Intelligence and Machine Learning R2021421 (Common to CSE(AIML), AIML) | Object Oriented Programming with Java R2021422 (Comm to CSE(AIML),ALDS,CSE(AIDS), AIDS,AIML) | Database Management Systems R2021121 (Common to IT,CSE(AIML),ALDS, CSE(AIDS), AIDS,AIML,CSD) |
| CSE (Artificial Intelligence) (43) | Mathematics -III R2021011 (Except EEE,FE) | Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML), ALDS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS .IOT,AIDS,CS,AIML,IOT,CSD) | Introduction to Artificial Intelligence R2021431 | Object Oriented Programming with Java R2021422 (Comm to CSE(AIML), ALDS,CSE(AIDS),AIDS,AIML) | Database Management Systems R2021121 (Common to IT,CSE(AIML) ALDS,CSE(AIDS), AIDS,AIML, CSD) |
| CSE (Data Science) (44) | Mathematics -III R2021011 (Except EEE,FE) | Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML), ALDS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS .IOT,AIDS,CS,AIML,IOT,CSD) | Fundamentals of Data Science R2021441 | Object Oriented Programming with Java R2021422 (Comm to CSE(AIML), ALDS,CSE(AIDS),AIDS,AIML) | Database Management Systems R2021121 (Common to IT,CSE(AIML) ALDS,CSE(AIDS), AIDS,AIML, CSD) |
| CSE (Artificial Intelligence and Data Science) (45) | Mathematics -III R2021011 (Except EEE,FE) | Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML), ALDS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS,IOT, AIDS,AIML,IOT,CSD) | Introduction to Artificial Intelligence and Data Science R2021451 (Comm to CSE(AIDS),AIDS) | Object Oriented Programming with Java R2021422 (Comm to CSE(AIML),ALDS,CSE(AIDS),AIDS, AIML) | Database Management Systems R2021121 (Common to IT,CSE(AIML) ALDS,CSE(AIDS), AIDS,AIML, CSD) |



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II B.TECH I SEMESTER (R20)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH I SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, JANUARY - 2023

TIME TABLE

TIME: 10.00 AM TO 01.00 PM

| BRANCH | DAY AND DATE | | | | |
|---|--|--|--|--|--|
| | 18-01-2023 (Wednesday) | 20-01-2023 (Friday) | 23-01-2023 (Monday) | 25-01-2023 (Wednesday) | 28-01-2023 (Saturday) |
| CSE (Cyber Security) (46) | Mathematics -III R2021011 (Except EEE,FE) | Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML), AI,DS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS, IOT,AIDS,CS,AIML,IOT,CSD) | Data Structures R2021061 (Common to CST,CSE(CS)CS, OITCSBT,CSBS,IOT,CS,IOT) | Operating Systems R2021052 (Common to CSE,CST,IT,CS,IOTCSBT,IOT) | Java Programming R2021062 (Comm to CST,CSE(CS),OITCSBT,IOT,CS,IOT) |
| CSE (Internet of things and Cyber security including Block chain Technology) (47) | Mathematics -III R2021011 (Except EEE,FE) | Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST, CSE(AIML),AI,DS,CSE(AIDS), CSE(CS),IOTCSBT,CSBS,IOT, AIDS,CS,AIML,IOT,CSD) | Data Structures R2021061 (Common to CST,CSE(CS)CS,OITCSBT,CSBS,IO T,CS,IOT) | Operating Systems R2021052 (Common to CSE,CST,IT,CS,IOTCSBT,IOT) | Java Programming R2021062 (Comm to CST,CSE(CS),OITCSBT,IOT,CS,IOT) |
| CSE (Computer Science and Business System) (48) | Mathematics -III R2021011 (Except EEE,FE) | Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML),AI,DS, CSE(AIDS),CS,IOTCSBT,CSBS, IOT,AIDS,AIML) | Data Structures R2021061 (Common to CST,CSE(CS)CS,OITCSBT,CSBS,IO T,CS,IOT) | Formal Languages & Automata Theory R2021481 | Computer Organization & Architecture R2021482 |
| CSE (Internet of Things) (49) | Mathematics -III R2021011 (Except EEE,FE) | Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML),AI,DS, CSE(AIDS),CSE(CS),IOTCSBT,CSBS,IOT,A IDS,CS,AIML,IOT,CSD) | Data Structures R2021061 (Common to CST,CSE(CS)CS,OITCSBT,CSBS,IO T,CS,IOT) | Operating Systems R2021052 (Common to CSE,CST,IT,CS,IOTCSBT,IOT) | Java Programming R2021062 (Comm to CST,CSE(CS),OITCSBT,IOT,CS,IOT) |
| FOOD ENGINEERING (51) | Probability and Statistics R2021511 | Principles of Food Engineering -I R2021512 | Mechanical Operations in Food Processing R2021513 | Fluid Mechanics in Food Processing R2021514 | Food Microbiology R2021515 |





II B.TECH I SEMESTER (R20)

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UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH I SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, JANUARY - 2023

TIME TABLE

TIME: 10.00 AM TO 01.00 PM

| BRANCH | DAY AND DATE | | | | |
|--|--|---|--|--|---|
| | 18-01-2023 (Wednesday) | 20-01-2023 (Friday) | 23-01-2023 (Monday) | 25-01-2023 (Wednesday) | 28-01-2023 (Saturday) |
| ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54) | Mathematics -III R2021011 (Except EEE,FE) | Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML),ALDS, CSE(AIDS),CSE(CS),IOTCSBT,CSBS, IOT,AIDS,CS,AIML,IOT,CSD) | Introduction to Artificial Intelligence and Data Science R2021451 (Comm to CSE(AIDS),AIDS) | Object Oriented Programming with Java R2021422 (Comm to CSE(AIML),ALDS,CSE(AIDS), AIDS,AIML) | Database Management Systems R2021121 (Common to IT,CSE(AIML),ALDS,CSE(AIDS), AIDS,AIML,CSD) |
| PHARMACEUTICAL ENGINEERING (55) | Mathematics - III R2021011 (Except EEE,FE) (Vector Calculus, Transforms and PDE) | Pharmacology R2021551 | Material and Energy Balance Computations R2021552 | Fluid Mechanics and Mechanical Unit Operations R2021553 | Thermodynamics for pharmaceutical Engineers R2021554 |
| CYBER SECURITY (59) | Mathematics -III R2021011 (Except EEE,FE) | Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML),ALDS, CSE(AIDS),CSE(CS),IOTCSBT,CSBS, IOT,AIDS,CS,AIML,IOT,CSD) | Data Structures R2021061 (Common to CST,CSE(CS)CS,OITCSBT, CSBS,IOT,CS,IOT) | Operating Systems R2021052 (Common to CSE,CST,IT,CSE(CS),IOTCSBT,IOT) | Java Programming R2021062 (Comm to CST,CSE(CS),OITCSBT,IOT,CS,IOT) |
| INTERNET OF THINGS (60) | Mathematics -III R2021011 (Except EEE,FE) | Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML),ALDS, CSE(AIDS),CSE(CS),IOTCSBT,CSBS,IOT,AIDS,CS,AIML, IOT, CSD) | Data Structures R2021061 (Common to CST,CSE(CS)CS,OITCSBT,CSBS,IOT,CS,IOT) | Operating Systems R2021052 (Common to CSE,CST,IT,CS,IOTCSBT,IOT) | Java Programming R2021062 (Comm to CST,CSE(CS),OITCSBT,IOT,CS,IOT) |
| ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61) | Mathematics -III R2021011 (Except EEE,FE) | Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML),ALDS,CSE(CS), IOTCSBT,CSBS,IOT,AIDS,CS,AIML,IOT,CS) | Introduction to Artificial Intelligence and Machine Learning R2021421 (Common to CSE(AIML),AIML) | Object Oriented Programming with Java R2021422 (Comm to CSE(AIML),ALDS,CSE(AIDS),AIDS,AIML) | Database Management Systems R2021121 (Common to IT,CSE(AIML),ALDS,CSE(AIDS), AIDS,AIML,CSD) |



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II B.TECH I SEMESTER (R20)

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II B.TECH I SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, JANUARY - 2023

TIME TABLE

TIME: 10.00 AM TO 01.00 PM

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| | 18-01-2023 (Wednesday) | 20-01-2023 (Friday) | 23-01-2023 (Monday) | 25-01-2023 (Wednesday) | 28-01-2023 (Saturday) |
| COMPUTER SCIENCE AND DESIGN (62) | Mathematics -III R2021011 (Except EEE,FE) | Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST, CSE (AIML),AI,DS,CSE(AIDS),CSE(CS),OT CSBT,CSBS,IOT,AIDS,CS,AIML,IOT, CSD) | Computer Graphics R2021621 | Multimedia and Application Development R2021622 | Database Management Systems R2021121 (Common to IT,CSE(AIML) AI,DS,CSE(AIDS), AIDS,AIML,CSD) |

NOTE:

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

DATE: 26-12-2022

H. R. K. K. K.

Controller of Examinations



[Signature]
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| COMPUTER SCIENCE AND DESIGN (62) | Mathematics -III R2021011 (Except EEE,FE) | Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST, CSE (AIML),AIDS,CSE(AIDS),CSE(CS),OT CSBT,CSBS,IOT,AIDS,CS,AIML,IOT, CSD) | Computer Graphics R2021621 | Multimedia and Application Development R2021622 | Database Management Systems R2021121 (Common to IT,CSE(AIML) AIDS,CSE(AIDS), AIDS,AIML,CSD) |

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Controller of Examinations



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Approved by A.I.C.T.E. & Affiliation to JNTU, Kakinada

Ref :

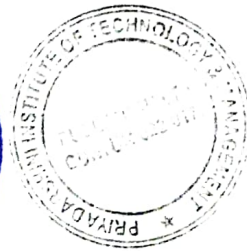
Date :

A.Y:2022-2023

RESULT ANALYSIS

| S.No | Name of The Program | No.of Students appered | No.of Students passed |
|-------|---------------------|------------------------|-----------------------|
| 1 | B.Tech - CE | 32 | 29 |
| 2 | B.Tech - EEE | 17 | 15 |
| 3 | B.Tech - ME | 28 | 25 |
| 4 | B.Tech - ECE | 55 | 53 |
| 5 | B.Tech - CSE | 32 | 29 |
| 6 | M.Tech - SE | 3 | 2 |
| 7 | M.Tech - PE | 2 | 2 |
| 8 | M.Tech - VLSI | 1 | 1 |
| 9 | M.Tech - CSE | 4 | 3 |
| 10 | MBA | 7 | 5 |
| TOTAL | | 181 | 164 |


EXAMINATION IN CHARGE
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Diploma : PIIT

UG : PITM

PG : DBITI