



# A.M. REDDY

Memorial College of Engineering and Technology

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## Display of Cos & POs

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Principal

A.M REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopet (Mdi), Guntur(Dr)

  
Principal

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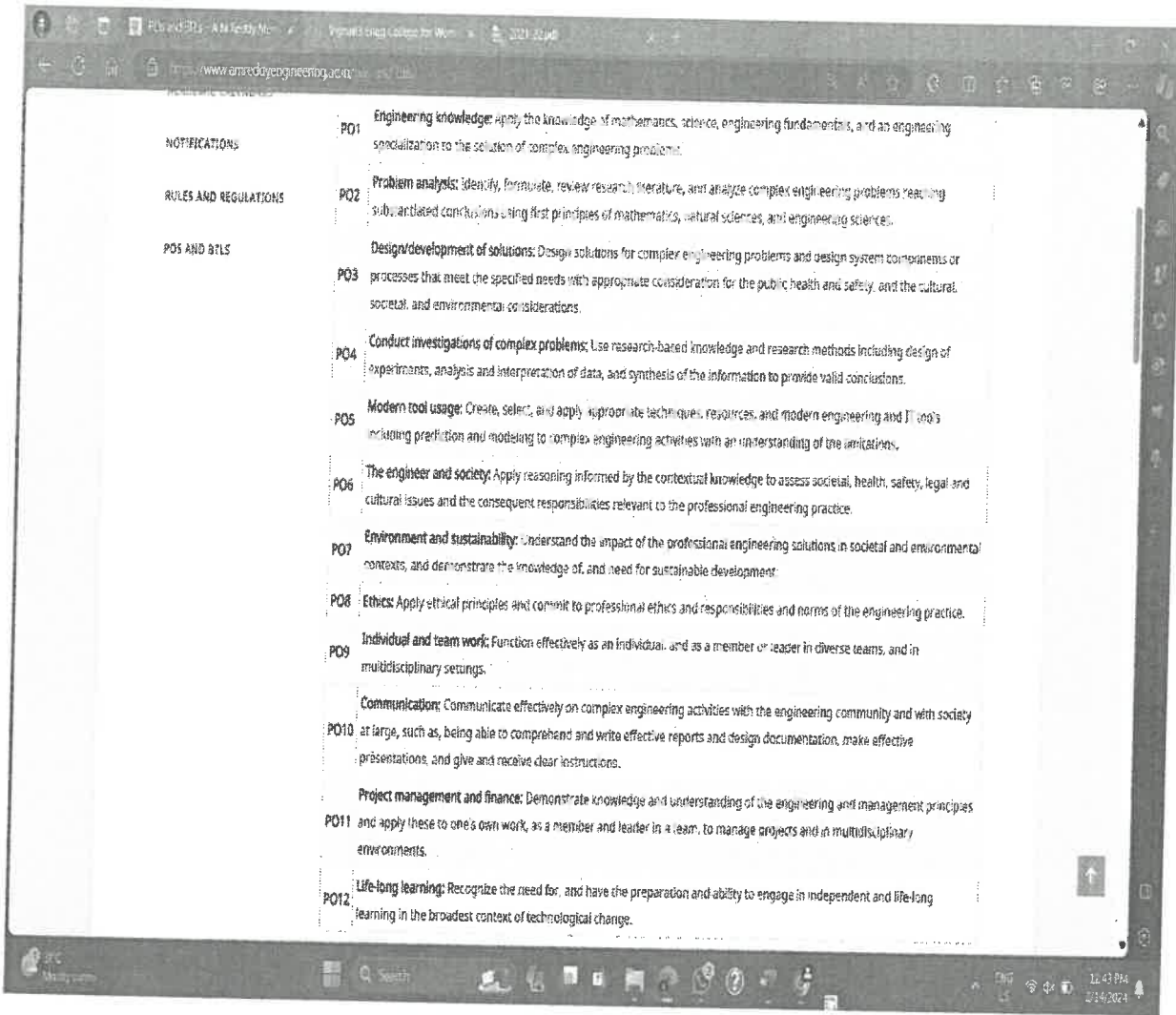
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Display of POs in institutional website (<http://www.amreddyengineering.ac.in>)

  
Principal

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Palnadu (D.t)- 522601, Contact : 08647-247190



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Palnadu (D.t)- 522601, Contact : 08647-247190

### PROGRAM OUTCOMES(PO's):COMMON TO ALL BRANCHES OF ENGINEERING

#### DEPARTMENT OF CIVIL ENGINEERING

- PO1: Engineering Knowledge: Apply the knowledge of basic sciences and engineering fundamentals to solve engineering problems.
- PO2: Problem Analysis: Analyze the complex engineering problems and give solutions related to chemical & allied industries.
- PO3: Design/development of solutions: Identify the chemical engineering problems, design and formulate solutions to solve both industrial & social related problems.
- PO4: Conduct investigations of complex problems: Design & conduct experiments, analyze and interpret the resulting data to solve Chemical Engineering problems.
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- PO9: Individual and team work: Function effectively as a member or a leader in diverse teams, and be competent to carry out multidisciplinary tasks.
- PO10: Communication: Communicate effectively in both verbal & non-verbal and able to comprehend & write effective reports.
- PO11: Project management and finance: Understand the engineering and management principles to manage the multidisciplinary projects in whatsoever position they are employed.
- PO12: Life-long learning: Recognize the need of self education and life-long learning process in order to keep abreast with the ongoing developments in the field of engineering.



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MASTAN REDDY NAGAR, A.M. REDDY MEMORIAL COLLEGE OF ENGINEERING AND  
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LAT 16.1766979°  
LONG 80.067577°  
08/12/2021 10:16 A.M. GMT +05:30

GPS MAP CAMERA

Display of Pos in CE-HOD Chamber

*[Signature]*

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Narasaraopet (Mdl),Guntur(Dt)

*[Signature]*  
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Painadu (D.T.), 522601, Contact : 08647-247190

### PROGRAM OUTCOMES(PO's):COMMON TO ALL BRANCHES OF ENGINEERING

#### ELECTRICAL & ELECTRONICS ENGINEERING

- PO1: Engineering Knowledge: Apply the knowledge of basic sciences and engineering fundamentals to solve engineering problems.
- PO2: Problem Analysis: Analyze the complex engineering problems and give solutions related to chemical & allied industries.
- PO3: Design/development of solutions: Identify the chemical engineering problems, design and formulate solutions to solve both industrial & social related problems.
- PO4: Conduct investigations of complex problems: Design & conduct experiments, analyze and interpret the resulting data to solve Chemical Engineering problems.
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MASTAN REDDY NAGAR, A.M. REDDY MEMORIAL COLLEGE OF ENGINEERING AND  
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LAT 16.1766983°  
LONG 80.067579°  
05/12/2022 02:57 P.M. GMT +05:30

GPS MAP CAMERA

Display of Pos in EEE-HOD Chamber

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Palnadu (D.t)- 522601, Contact : 08647-247463

### PROGRAM OUTCOMES(PO's):COMMON TO ALL BRANCHES OF ENGINEERING DEPARTMENT OF MECHANICAL ENGINEERING

- PO1: Engineering Knowledge: Apply the knowledge of basic sciences and engineering fundamentals to solve engineering problems.
- PO2: Problem Analysis: Analyze the complex engineering problems and give solutions related to chemical & allied industries.
- PO3: Design/development of solutions: Identify the chemical engineering problems, design and formulate solutions to solve both industrial & social related problems.
- PO4: Conduct investigations of complex problems: Design & conduct experiments, analyse and interpret the resulting data to solve Chemical Engineering problems.
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LAT 16.1766982°  
LONG 80.067679°  
12/12/2022 03:05 P.M. GMT +05:30

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Display of Pos in MECH-HOD Chamber

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### PROGRAM OUTCOMES(PO's):COMMON TO ALL BRANCHES OF ENGINEERING

#### ELECTRONICS AND COMMUNICATION ENGINEERING

- PO1: Engineering Knowledge: Apply the knowledge of basic sciences and engineering fundamentals to solve engineering problems.
- PO2: Problem Analysis: Analyze the complex engineering problems and give solutions related to chemical & allied industries.
- PO3: Design/ development of solutions: Identify the chemical engineering problems, design and formulate solutions to solve both industrial & social related problems.
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 MASTAN REDDY NAGAR, A.M. REDDY MEMORIAL COLLEGE OF ENGINEERING AND  
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 LAT 16.1766978°  
 LONG 80.067567°  
 14/02/2022 11:09 A.M. GMT +05:30

GPS MAP CAMERA

Display of Pos in ECE-HOD Chamber

*Principal*

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 Narasaraopet (Mdl), Guntur Dt

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Palnadu (D.t)- 522601, Contact : 08647-247190

### PROGRAM OUTCOMES(PO's):COMMON TO ALL BRANCHES OF ENGINEERING

#### COMPUTER SCIENCE AND ENGINEERING

- PO1: Engineering Knowledge: Apply the knowledge of basic sciences and engineering fundamentals to solve engineering problems.
- PO2: Problem Analysis: Analyze the complex engineering problems and give solutions related to chemical & allied industries.
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MASTAN REDDY NAGAR, A.M. REDDY MEMORIAL COLLEGE OF ENGINEERING AND TECHNOLOGY, Petlurivaripalem, Andhra Pradesh 522601, India

LAT 16.1766987°

LONG 80.067569°

07/12/2022 02.07 P.M. GMT +05:30

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*[Signature]*  
Principal

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Palnadu (D.T)- 522601, Contact : 08647-247190

### PROGRAM OUTCOMES(PO's):COMMON TO ALL BRANCHES OF ENGINEERING

#### AGRICULTURAL ENGINEERING

- PO1: Engineering Knowledge: Apply the knowledge of basic sciences and engineering fundamentals to solve engineering problems.
- PO2: Problem Analysis: Analyze the complex engineering problems and give solutions related to chemical & allied industries.
- PO3: Design/ development of solutions: Identify the chemical engineering problems, design and formulate solutions to solve both industrial & social related problems.
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MASTAN REDDY NAGAR, A.M. REDDY MEMORIAL COLLEGE OF ENGINEERING AND TECHNOLOGY, Petlurivaripalem, Andhra Pradesh 522601, India

LAT 16.1768976°

LONG 80.067572°

13/12/2022 02.07 P.M. GMT +05:30

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*[Signature]*  
Principal

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Palnadu (D.T)- 522601, Contact : 08647-247190

### PROGRAM OUTCOMES(PO's):COMMON TO ALL BRANCHES OF ENGINEERING

#### DEPARTMENT OF CYBER SECURITY

- PO1: Engineering Knowledge: Apply the knowledge of basic sciences and engineering fundamentals to solve engineering problems.
- PO2: Problem Analysis: Analyze the complex engineering problems and give solutions related to chemical & allied industries.
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LAT 16.1766982°  
LONG 80.067572°  
15/12/2022 10:08 A.M. GMT +05:30

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Display of Pos in CS-HOD Chamber

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Vinukonda Road, Petturivaripalem, Narasaraopet  
Palnadu (D.t)- 522601, Contact : 08647-247190

**PROGRAM OUTCOMES(PO's):COMMON TO ALL BRANCHES OF ENGINEERING**  
**DEPARTMENT OF CIVIL ENGINEERING**

- PO1: Engineering Knowledge: Apply the knowledge of basic sciences and engineering fundamentals to solve engineering problems.
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Petturivaripalem, Andhra Pradesh, India  
MASTAN REDDY NAGAR, A.M. REDDY MEMORIAL COLLEGE OF ENGINEERING AND TECHNOLOGY, Petturivaripalem, Andhra Pradesh 522601, India  
LAT 16.1766989°  
LONG 80.067578°  
08/12/2021 10:36 A.M. GMT +05:30

GPS MAP CAMERA

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Principal  
A.M. REDDY MEMORIAL COLLEGE OF  
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PETTURIVARI PALEM  
Narasaraopet (Mdl), Guntur(Dr)

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**PROGRAM OUTCOMES(PO's) COMMON TO ALL BRANCHES OF ENGINEERING  
ELECTRICAL & ELECTRONICS ENGINEERING.**

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MASTAN REDDY NAGAR, A.M. REDDY MEMORIAL COLLEGE OF ENGINEERING AND TECHNOLOGY, Petturivaripalem, Andhra Pradesh 522601, India  
LAT 16.476683°  
LONG 80.067579°  
05/12/2022 02:57 P.M. GMT +05:30

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*[Signature]*  
Principal

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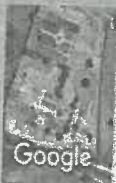
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**PROGRAM OUTCOMES(PO's):COMMON TO ALL BRANCHES OF ENGINEERING**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

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 LAT 16.1766982°  
 LONG 80.067678°  
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### PROGRAM OUTCOMES (PO's) COMMON TO ALL BRANCHES OF ENGINEERING

#### ELECTRONICS AND COMMUNICATION ENGINEERING

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 MASTAN REDDY NAGAR, A.M. REDDY MEMORIAL COLLEGE OF ENGINEERING AND  
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 LAT 16.1766979°  
 LONG 80.067566°  
 14/02/2022 11:32 A.M. GMT +05:30

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 Narasaraopet (MdI), Guntur(Dt)

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Palnadu (D.T)- 522601 Contact : 08647-247190

### PROGRAM OUTCOMES(PO's):COMMON TO ALL BRANCHES OF ENGINEERING

#### COMPUTER SCIENCE AND ENGINEERING

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 MASTAN REDDY NAGAR, A.M. REDDY MEMORIAL COLLEGE OF ENGINEERING AND  
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 LAT 16.1765987°  
 LONG 80.067569°  
 07/12/2022 02.34 P.M. GMT +05:30

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*[Signature]*  
Principal

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ENGINEERING & TECHNOLOGY  
PETTURIVARI PALEM  
Narasaraopet (Mdi), Guntur(Dr.)

*[Signature]*  
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### PROGRAM OUTCOMES(PO's):COMMON TO ALL BRANCHES OF ENGINEERING

#### AGRICULTURAL ENGINEERING

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 LAT 16.1768976°  
 LONG 80.067574°  
 13/12/2022 02:22 P.M. GMT +05:30

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 Narasaraopet (Mdl), Guntur Dt

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### PROGRAM OUTCOMES(PO's):COMMON TO ALL BRANCHES OF ENGINEERING

#### DEPARTMENT OF CYBER SECURITY

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 MASTAN REDDY NAGAR, A.M. REDDY MEMORIAL COLLEGE OF ENGINEERING AND  
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 LAT 16.1766983°  
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 15/12/2022 10:24 A.M. GMT +05:30

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## A.M. REDDY

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Palnadu (D.t)- 522601, Contact : 08647-247190

### PROGRAM OUTCOMES(PO's):COMMON TO ALL BRANCHES OF ENGINEERING DEPARTMENT OF CIVIL ENGINEERING

- PO1: Engineering Knowledge: Apply the knowledge of basic sciences and engineering fundamentals to solve engineering problems.
- PO2: Problem Analysis: Analyze the complex engineering problems and give solutions related to chemical & allied industries.
- PO3: Design/development of solutions: Identify the chemical engineering problems, design and formulate solutions to solve both industrial & social related problems.
- PO4: Conduct investigations of complex problems: Design & conduct experiments, analyze and interpret the resulting data to solve Chemical Engineering problems.
- PO5: Modern tool usage: Apply appropriate techniques, resources and modern engineering & IT tools for the design, modeling, simulation and analysis studies.
- PO6: The engineer and society: Assess societal, health, safety, legal and cultural issues and their consequent responsibilities relevant to professional engineering practices.
- PO7: Environment and sustainability: Understand the relationship between society, environment and work to wards sustainable development.
- PO8: Ethics: Understand their professional and ethical responsibility and enhance their commitment to wards best engineering practices.
- PO9: Individual and team work: Function effectively as a member or a leader in diverse teams, and be competent to carry out multidisciplinary tasks.
- PO10: Communication: Communicate effectively in both verbal & non-verbal and able to comprehend & write effective reports.
- PO11: Project management and finance: Understand the engineering and management principles to manage the multidisciplinary projects in whatsoever position they are employed.
- PO12: Life-long learning: Recognize the need of self education and life-long learning process in order to keep abreast with the ongoing developments in the field of engineering.



Petturivaripalem, Andhra Pradesh, India  
 MASTAN REDDY NAGAR, A.M. REDDY MEMORIAL COLLEGE OF ENGINEERING AND  
 TECHNOLOGY, Petturivaripalem, Andhra Pradesh 522601, India  
 LAT 16.1766983°  
 LONG 80.067579°  
 08/12/2021 10:57 A.M. GMT +05:30

GPS MAP CAMERA

Display of Pos in Class Room

*Principal*

A.M REDDY MEMORIAL COLLEGE OF  
 ENGINEERING & TECHNOLOGY  
 PETLURIVARI PALEM  
 Narasaraopet (Mdl), Guntur(Dr)

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Palnadu (D.t)- 522601, Contact : 08647-247190

**PROGRAM OUTCOMES(PO's):COMMON TO ALL BRANCHES OF ENGINEERING**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

- PO1: Engineering Knowledge: Apply the knowledge of basic sciences and engineering fundamentals to solve engineering problems.
- PO2: Problem Analysis: Analyze the complex engineering problems and give solutions related to chemical & allied industries.
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Petlurivaripalem, Andhra Pradesh, India  
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TECHNOLOGY, Petlurivaripalem, Andhra Pradesh 522601, India  
LAT 16.1766985°  
LONG 80.067679°  
12/12/2022 04:00 P.M. GMT +05:30

GPS MAP CAMERA

Display of Pos in Class Room

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PETLURIVARI PALEM  
Narasaraopet (Mdt), Guntur(Dr

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Vinukonda Road, Petlurivaripalem, Narasaraopet  
Palnadu (D.t)- 522601, Contact : 08647-247190

### PROGRAM OUTCOMES(PO's):COMMON TO ALL BRANCHES OF ENGINEERING

#### ELECTRONICS AND COMMUNICATION ENGINEERING

- PO1: Engineering Knowledge: Apply the knowledge of basic sciences and engineering fundamentals to solve engineering problems.
- PO2: Problem Analysis: Analyze the complex engineering problems and give solutions related to chemical & allied industries.
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Petlurivaripalem, Andhra Pradesh, India  
MASTAN REDDY NAGAR, A.M. REDDY MEMORIAL COLLEGE OF ENGINEERING AND  
TECHNOLOGY, Petlurivaripalem, Andhra Pradesh 522601, India

LAT 16.1766981°

LONG 80.067568°

14/02/2022 12:12 P.M. GMT +05:30

GPS MAP CAMERA

Display of Pos in Class Room

*Quay*  
A.M. REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETLURIVARI PALEM  
Narasaraopet (Dd), Guntur(Dr)

*Kun*  
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Narasaraopet (Dd), Guntur(Dr)





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Vinukonda Road, Petturivaripalem, Narasaraopet  
Palnadu (D.t)- 522601, Contact : 08647-247190

### PROGRAM OUTCOMES(PO's):COMMON TO ALL BRANCHES OF ENGINEERING COMPUTER SCIENCE AND ENGINEERING

- PO1: Engineering Knowledge: Apply the knowledge of basic sciences and engineering fundamentals to solve engineering problems.
- PO2: Problem Analysis: Analyze the complex engineering problems and give solutions related to chemical & allied industries.
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Petturivaripalem, Andhra Pradesh, India

MASTAN REDDY NAGAR, A.M. REDDY MEMORIAL COLLEGE OF ENGINEERING AND TECHNOLOGY, Petturivaripalem, Andhra Pradesh 522601, India

LAT 18.1766987°

LONG 80.067569°

07/12/2022 02.55 P.M. GMT +05:30

GPS MAP CAMERA

### Display of Pos in Class Room

Principal

A.M. REDDY MEMORIAL COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PETTURIVARI PALEM  
Narasaraopet (Midi), Guntur(Dt)

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Palnadu (D.t)- 522601, Contact : 08647-247190

## PROGRAM OUTCOMES(PO's):COMMON TO ALL BRANCHES OF ENGINEERING

### AGRICULTURAL ENGINEERING

- PO1: Engineering Knowledge: Apply the knowledge of basic sciences and engineering fundamentals to solve engineering problems.
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Petturivaripalem, Andhra Pradesh, India

MASTAN REDDY NAGAR, A.M. REDDY MEMORIAL COLLEGE OF ENGINEERING AND TECHNOLOGY, Petturivaripalem, Andhra Pradesh 522601, India

LAT 16.1766972°

LONG 80.067571°

13/12/2022 02.50 P.M. GMT +05:30

GPS MAP CAMERA

Display of Pos in Class Room

*Principal*  
 A.M. REDDY MEMORIAL COLLEGE OF  
 ENGINEERING & TECHNOLOGY  
 PETTURIVARI PALEM  
 Narasaraopet (Mdt), Guntur Dt

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Palnadu (D.t)- 522601, Contact : 08647-247190

### PROGRAM OUTCOMES(PO's):COMMON TO ALL BRANCHES OF ENGINEERING

#### DEPARTMENT OF CYBER SECURITY

- PO1: Engineering Knowledge: Apply the knowledge of basic sciences and engineering fundamentals to solve engineering problems.
- PO2: Problem Analysis: Analyze the complex engineering problems and give solutions related to chemical & allied industries.
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 MASTAN REDDY NAGAR, A.M. REDDY MEMORIAL COLLEGE OF ENGINEERING AND  
 TECHNOLOGY, Petlurivaripalem, Andhra Pradesh 522601, India  
 LAT 16.1766973°  
 LONG 80.067575°  
 15/12/2022 11:08 A.M. GMT +05:30

GPS MAP CAMERA

Display of Pos in Class Room

Principal

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 Narasaraopet (Mdt), Guntur Dt

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Vinukonda Road, Petturivaripalem(Post), Narasaraopet, Palnadu(Dist), Andhra Pradesh, Pin:522601, Mobile, 9550254554, 9989123388



### ASSIGNMENT BOOK

Theory, Design, Analysis, Simulation / Algorithms

Regulation 2020 A.Y. ....

DEPARTMENT OF CIVIL ENGINEERING

Name of the Student : P. Sushma  
Regd. No. : 20HM180112 Year/Sem/Section: III/2  
Subject: GTS Admitted Batch .....

#### COVER PAGE OF ASSIGNMENT BOOK – CE

Vinukonda Road, Mastan Reddy Nagar, Petturivaripalem, Narasaraopet  
PALNADU (DIST) - 522601, Contact : 08647-247190.

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AMR\_CET amr\_cet Principal AM Red

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PETTURIVARI PALEM  
Narasaraopet (Mdt), Guntur(Dt)

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**Institute Vision:** To be a leading institution of empowerment producing internationally accepted professionals with psychological strength, emotional balance and ethical values.

**Institute Mission:** Our mission is direction to think and act

**M1:** To empower engineers through innovative teaching-learning practices.

**M2:** To encourage for higher education and research with well-equipped laboratories.

**M3:** To promote entrepreneurship through creativity and innovation.

**M4:** To promote environmental sustainability and inculcate ethical, emotional and social.

### DEPARTMENT OF CIVIL ENGINEERING

**Vision:** To promote excellence in civil engineering education, enrich research, and provide quality professional services to the society in all areas of civil engineering.

#### Mission:

**M1:** To provide a Learner centered environment for students to gain comprehensive knowledge in civil engineering.

**M2:** To provide a learning experience that fosters an aptitude for research.

**M3:** To provide graduates with contemporary skills and tools required to excel in civil engineering profession or alternate fields.

**M4:** To produce graduates to serve within the constraints of complex needs of the society with high integrity.

#### Program outcomes (Pos)

- 1. Engineering Knowledge:** Apply the knowledge of basic sciences and engineering fundamentals to solve engineering problems.
- 2. Problem Analysis:** Analyze the complex engineering problems and give solutions related to chemical & allied industries
- 3. Design/ development of solutions:** Identify the chemical engineering problems, design and formulate solutions to solve both industrial & social related problems.
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- 12. Life-long learning:** Recognize the need of self education and life-long learning process in order to keep abreast with the ongoing developments in the field of engineering.

#### Program educational objectives (PEOs)

**PEO-1:** Graduate Competence: Our graduates demonstrate competence in the core principles of civil engineering and apply them effectively in professional practice

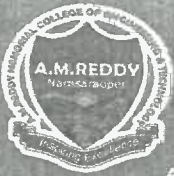
**PEO-2:** Continuous Learning: Our graduates pursue lifelong learning and professional growth through advanced degrees, certifications, and continuing education.

**PEO-3:** Problem Solving and Innovation: Our graduates have the skills to analyze complex engineering problems, think critically, and innovate solutions.

#### Program specific outcomes (PSOs)

**PSO-1:** Design and Analysis Skills: Our graduates can design and analyze civil engineering systems, structures, and infrastructure components.

**PSO-2:** Communication and Teamwork: Our graduates have effective communication skills and can work collaboratively in multidisciplinary teams.



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Vinukonda Road, Petlurivaripalem, Narasaraopet  
Palnadu (D.t)- 522601, Contact : 08647-247190

## COURSES OFFERED

**AMRN**

**EAPCET, PGECET,**

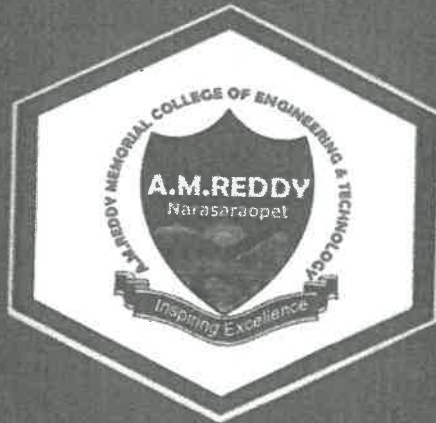
**ECET.**

### B.TECH

CIVIL, EEE, MECH, ECE, CSE,  
AGRICULTURAL ENGINEERING,  
CYBER SECURITY

### M.TECH

STRUCTURAL DESIGN,  
TRANSPORTATION ENGINEERING.



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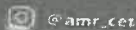
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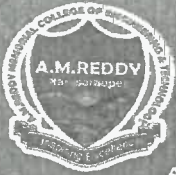
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### ASSIGNMENT BOOK

Theory, Design, Analysis, Simulation / Algorithms

Regulation R20 A.Y. ....

#### DEPARTMENT OF ELECTRICAL ELECTRONICS ENGINEERING

Name of the Student : G. Bharath yadav  
Regd. No. : 21HM1A0204 Year/Sem/Section: 2-1  
Subject: EMF Admitted Batch .....

#### COVER PAGE OF ASSIGNMENT BOOK – EEE

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**Institute Vision:** To be a leading institution of empowerment producing internationally accepted professionals with psychological strength, emotional balance and ethical values.

**Institute Mission:** Our mission is direction to think and act

**M1:** To empower engineers through innovative teaching-learning practices.

**M2:** To encourage for higher education and research with well-equipped laboratories.

**M3:** To promote entrepreneurship through creativity and innovation.

**M4:** To promote environmental sustainability and inculcate ethical, emotional and social.

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

**Vision:** To Mould young and fresh minds into well-disciplined and competent engineers to excel in the field of Electrical and Electronics Engineering to cater the industrial / societal needs and compete at Global Level.

### Mission:

**M1:** To produce competent and quality technical professionals with strong basics of electrical engineering principles and techniques.

**M2:** To facilitate the students to work with modern tools, state of art technologies, innovative research capabilities besides inculcating leadership abilities and ethical values.

### Program outcomes (Pos)

- 1. Engineering Knowledge:** Apply the knowledge of basic sciences and engineering fundamentals to solve engineering problems.
- 2. Problem Analysis:** Analyze the complex engineering problems and give solutions related to chemical & allied industries
- 3. Design/ development of solutions:** Identify the chemical engineering problems, design and formulate solutions to solve both industrial & social related problems.
- 4. Conduct investigations of complex problems:** Design & conduct experiments, analyze and interpret the resulting data to solve Chemical Engineering problems
- 5. Modern tool usage:** Apply appropriate techniques, resources and modern engineering & IT tools for the design, modeling, simulation and analysis studies.
- 6. The engineer and society:** Assess societal, health, safety, legal and cultural issues and their consequent responsibilities relevant to professional engineering practice
- 7. Environment and sustainability:** Understand the relationship between society, environment and work towards sustainable development.
- 8. Ethics:** Understand their professional and ethical responsibility and enhance their commitment towards best engineering practices.
- 9. Individual and team work:** Function effectively as a member or a leader in diverse teams, and be competent to carry out multidisciplinary tasks
- 10. Communication:** Communicate effectively in both verbal & non-verbal and able to comprehend & write effective reports.
- 11. Project management and finance:** Understand the engineering and management principles to manage the multidisciplinary projects in whatsoever position they are employed.
- 12. Life-long learning:** Recognize the need of self education and life-long learning process in order to keep abreast with the ongoing developments in the field of engineering.

### Program educational objectives (PEOs):

**PEO-1:** apply their knowledge and skills to provide solutions to electrical and electronics engineering problems in industry and governmental organizations or to enhance student learning in educational institutions.

**PEO-2:** work as a team with a sense of ethics and professionalism and communicate effectively to manage cross-cultural and multidisciplinary teams.

**PEO-3:** update their knowledge continuously through lifelong learning that contributes to personal, organizational, and societal growth.

### Program specific outcomes (PSOs)

**PSO-1:** To apply advanced science and engineering knowledge to analyze and design complex electrical and electronic devices, software and systems containing hardware and software components.

**PSO-2:** To design and analyze systems used in advanced power applications, renewable energy, electrical drives for the transportation, manufacturing industries and in allied technical fields.

  
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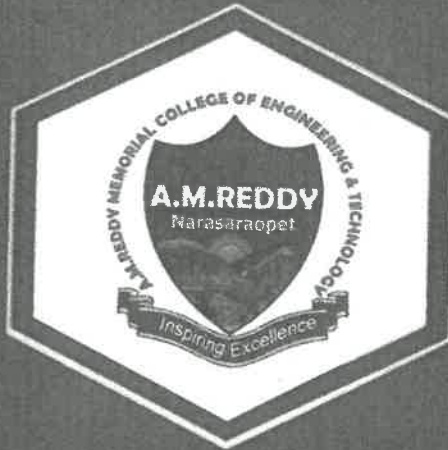
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### ASSIGNMENT BOOK

Theory, Design, Analysis, Simulation / Algorithms

Regulation B20 A.Y. 2022-23

#### DEPARTMENT OF MECHANICAL ENGINEERING

Name of the Student : R. RANANJAN  
Regd. No. : 20H1A0307 Year/Sem/Section : III - I  
Subject : IE II Admitted Batch : \_\_\_\_\_

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**Institute Vision:** To be a leading institution of empowerment producing internationally accepted professionals with psychological strength, emotional balance and ethical values.

**Institute Mission:** Our mission is direction to think and act

- M1: To empower engineers through innovative teaching-learning practices.
- M2: To encourage for higher education and research with well-equipped laboratories.
- M3: To promote entrepreneurship through creativity and innovation.
- M4: To promote environmental sustainability and inculcate ethical, emotional and social.

## DEPARTMENT OF MECHANICAL ENGINEERING

**Vision:** To promote quality education accessible to all sections of the society without any discrimination of caste, creed, colour, gender and religion and helps students to discover their true potential

### Mission:

- M1: To provide and equip the stakeholders with knowledge, skills, social values, ethics, scientific attitude and orientation for lifelong learning.
- M2: To create an environment conducive to in habituating the total involvement and participation
- M3: Provide infrastructure to arm the students with the competence to be at the forefront of cutting-edge technology and entrepreneurship in the highly competitive global market.

### Program outcomes (Pos)

1. **Engineering Knowledge:** Apply the knowledge of basic sciences and engineering fundamentals to solve engineering problems.
2. **Problem Analysis:** Analyze the complex engineering problems and give solutions related to chemical & allied industries
3. **Design/ development of solutions:** Identify the chemical engineering problems, design and formulate solutions to solve both industrial & social related problems.
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12. **Life-long learning:** Recognize the need of self education and life-long learning process in order to keep abreast with the ongoing developments in the field of engineering.

### Program educational objectives (PEOs):

- PEO-1: To provide a quality undergraduate education for students entering the mechanical engineering profession or seeking careers in related fields.
- PEO-2: To advance scientific knowledge through basic and applied research.
- PEO-3: To disseminate technical information through scholarly publication, conferences and continuing education

### Program specific outcomes (PSOs)

- PSO-1: The student will be able to apply the principles of mathematics, sciences and engineering fundamentals to formulate, review & analyze the problems in the fields of manufacturing and machine design.
- PSO-2: The student will be able to develop solutions through experimental investigation & simulation using modern software tools & further analyze the data obtained to arrive at valid conclusions in manufacturing & machine design streams.

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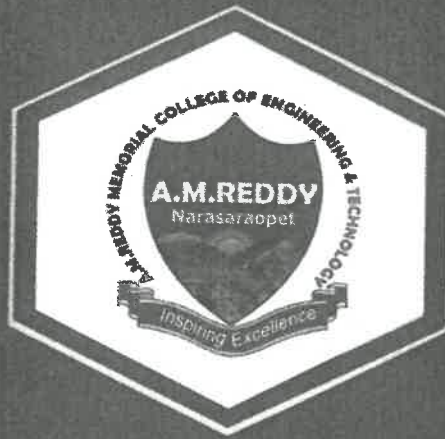
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### ASSIGNMENT BOOK

Theory, Design, Analysis, Simulation / Algorithms

Regulation Reg A.Y. 2022-23

DEPARTMENT OF ELECTRONICS COMMUNICATION ENGINEERING

Name of the Student : D. Asay kumar  
Regd. No. : 21441A0405 Year/Sem/Section: II / II  
Subject: ECA Admitted Batch

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**M3:** To promote entrepreneurship through creativity and innovation.

**M4:** To promote environmental sustainability and inculcate ethical, emotional and social.

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

**Vision:** To produce universally qualitative, competitive and well determined civil engineers endowed with ethical and human values to serve the society and strive for innovative technologies that destine the economic development of nation

### Mission:

**M1:** To mould the students has efficient entrepreneurs and to inculcate self confidence through eminent lectures, effective training programs, field visits and various technical seminars.

**M2:** To build a strong student base with holistic knowledge in electronics and communications discipline to prepare them ready for industrial needs.

**M3:** To establish the laboratories with state-of-the-art equipment and provide facilities to meet academic, research and consultancy needs by upgrading the physical infrastructure.

**M4:** To contribute for the welfare of the society by producing qualitative engineering graduates by engaging them in service-oriented training and development programs.

### Program outcomes (Pos)

- 1. Engineering Knowledge:** Apply the knowledge of basic sciences and engineering fundamentals to solve engineering problems.
- 2. Problem Analysis:** Analyze the complex engineering problems and give solutions related to chemical & allied industries
- 3. Design/ development of solutions:** Identify the chemical engineering problems, design and formulate solutions to solve both industrial & social related problems.
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- 11. Project management and finance:** Understand the engineering and management principles to manage the multidisciplinary projects in whatsoever position they are employed.
- 12. Life-long learning:** Recognize the need of self education and life-long learning process in order to keep abreast with the ongoing developments in the field of engineering.

### Program educational objectives (PEOs):

**PEO-1:** To provide student with a strong foundation in the engineering fundamentals necessary to formulate, solve and analyze engineering problems and to prepare them for graduate and higher studies, R & D.

**PEO-2:** To build up skills to analyze the requirements of electronics, understand the technical specifications, design and provide novel engineering solutions and efficient product design as per the market requirement

**PEO-3:** To give exposure to emerging edge technologies, adequate training and opportunities to work as team on multi-disciplinary projects with effective communication skills and leadership qualities

### Program specific outcomes (PSOs):

**PSO-1:** With the help of established laboratories, Students are working with advanced technology and can pursue their career in the specific areas

**PSO-2:** Students shall participate and succeed in competitive examinations such as GATE, GRE and TOEFL, PSUs and may admit to various programs like Master of Science (Abroad/India), Master of Technology (India) and Doctor of Philosophy (India/Abroad).

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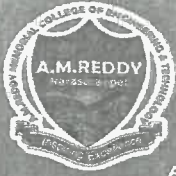
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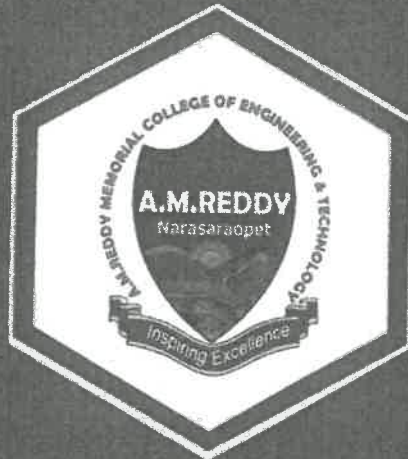
**AMRN**  
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### B.TECH

CIVIL, EEE, MECH, ECE, CSE,  
AGRICULTURAL ENGINEERING,  
CYBER SECURITY

### M.TECH

STRUCTURAL DESIGN,  
TRANSPORTATION ENGINEERING.



SEPARATE HOSTEL FACILITY FOR BOYS & GIRLS

BUS FACILITIES FROM GUNTUR, PIDUGURALLA, PHIRANGIPURAM, CHILAKALURIPET, SATTENAPALLI,  
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## ASSINMENT BOOK BACK PAGE – ECE

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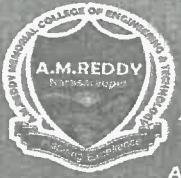
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### ASSIGNMENT BOOK

Theory, Design, Analysis, Simulation / Algorithms

Regulation ..... A.Y. .... 2022-23

#### DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Name of the Student : CA. Rashmi

Regd. No. : 20539 ..... Year/Sem/Section: III-II

Subject: CNS ..... Admitted Batch 2024

#### COVER PAGE OF ASSIGNMENT BOOK – CSE

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**Institute Mission:** Our mission is direction to think and act

**M1:** To empower engineers through innovative teaching-learning practices.

**M2:** To encourage for higher education and research with well-equipped laboratories.

**M3:** To promote entrepreneurship through creativity and innovation.

**M4:** To promote environmental sustainability and inculcate ethical, emotional and social.

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**Vision:** To become a reputed center in computer Science and systems engineering for quality, competency and social responsibility

#### Mission:

**M1:** Providing a strong theoretical and practical education in a congenial environment.

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**M3:** Inculcating ethical values to meet the challenges of life with courage and confidence

#### Program outcomes (Pos)

- 1. Engineering Knowledge:** Apply the knowledge of basic sciences and engineering fundamentals to solve engineering problems.
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- 11. Project management and finance:** Understand the engineering and management principles to manage the multidisciplinary projects in whatsoever position they are employed.
- 12. Life-long learning:** Recognize the need of self education and life-long learning process in order to keep abreast with the ongoing developments in the field of engineering.

#### Program educational objectives (PEOs):

PEO-1: Quality in professionalism, good and ethical conduct, interpersonal skills and adjustable communication to ubiquitous trends in latest technologies

PEO-2: Study of real-life troubles to enlarge economically feasible and social suitable solutions of engineering crisis.

PEO-3: Developing professional skills among the students and transforming them as effective professionals in programs.

#### Program specific outcomes (PSOs):

PSO-1: Students will be able to apply domain knowledge and expertise for enhancing research capability to transform innovative ideas into reality

PSO-2: To prepare students to undertake careers involving problem solving using computer science and technologies

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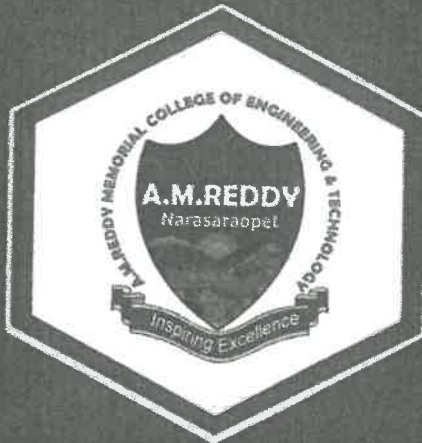
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### ASSIGNMENT BOOK

Theory, Design, Analysis, Simulation / Algorithms

Regulation R20 A.Y. ....

#### DEPARTMENT OF AGRICULTURAL ENGINEERING

Name of the Student : S. Vema Reddy  
Regd. No. : 20141A3546 Year/Sem/Section: II - 2  
Subject: FME - II Admitted Batch 2020-24

COVER PAGE OF ASSIGNMENT BOOK – AGE

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**M4:** To promote environmental sustainability and inculcate ethical, emotional and social.

## DEPARTMENT OF AGRICULTURAL ENGINEERING

**Vision:** Our vision aims to establish a premier agricultural engineering department that nurtures skilled and inventive professionals capable of advancing sustainable agriculture through technology integration, innovation in education and pioneering research."

### Mission:

**Inclusive Excellence:** Our department values diversity and strives for inclusive excellence, ensuring equal access to education, fostering a welcoming and diverse community of agricultural engineers. To available opportunities and resources for all.

**Global Perspective:** we encourage state, national and international collaboration, exchange knowledge, and the adaptation of best practices from around the world to address local and global agricultural challenges.

### Program outcomes (Pos)

- 1. Engineering Knowledge:** Apply the knowledge of basic sciences and engineering fundamentals to solve engineering problems.
- 2. Problem Analysis:** Analyze the complex engineering problems and give solutions related to chemical & allied industries
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- 12. Life-long learning:** Recognize the need of self education and life-long learning process in order to keep abreast with the ongoing developments in the field of engineering.

### Program educational objectives (PEOs):

PEO-1: Develop a diverse skill set to effectively collaborate with tractor industries, seed processing companies, irrigation firms and establish successful entrepreneurial ventures such as dairy farming and custom hiring centers.

PEO-2: Apply professional knowledge and skills to address real-world engineering challenges, contributing significantly to the betterment of society.

PEO-3: Demonstrate multidisciplinary expertise in analyzing engineering issues from a holistic perspective while upholding ethical responsibilities for sustainable development.

### Program specific outcomes (PSOs):

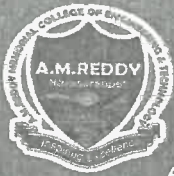
PSO-1: Gain proficiency in designing agricultural processes, evaluating problems and devising solutions for farm implements, optimizing farm power utilization for sustainable agriculture. Additionally, they will be well-prepared for diverse employment opportunities within the agricultural engineering sector.

PSO-2: Contribute significantly to increasing farmer income and actively participate in fostering a circular economy. This will be achieved through the application of technology to enhance sustainable food supply chains and the processing of agricultural and food products.

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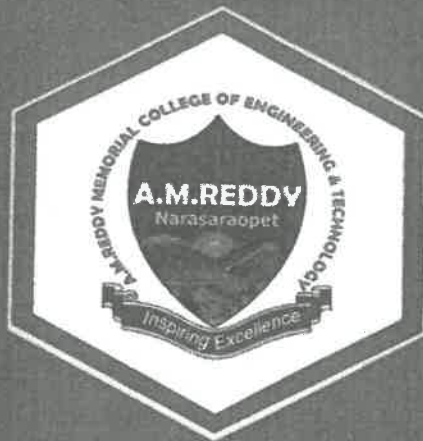
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### ASSIGNMENT BOOK

Theory, Design, Analysis, Simulation / Algorithms

Regulation..... A.Y. 2023

#### DEPARTMENT OF CYBER SECURITY

Name of the Student : N. Anil

Regd. No. : 24HMIA5919 Year/Sem/Section: III

Subject: CS Admitted Batch

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#### Mission:

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- 12. Life-long learning:** Recognize the need of self education and life-long learning process in order to keep abreast with the ongoing developments in the field of engineering.

#### Program educational objectives (PEOs):

**PEO-1:** Our graduates will apply their knowledge and skills to succeed in their careers and/or obtain an advanced degree

**PEO-2:** Our graduates will behave ethically and responsibly, and will remain informed and involved as full participants in their profession and society..


**PEO-3:** Our graduates will creatively solve problems, communicate effectively, and successfully function in diverse and inclusive multi-disciplinary teams.


#### Program specific outcomes (PSOs):

**PSO-1:** Develop secure software with vulnerability assessment, and security requirements, designed with the least privileges for the protection of digital applications.

**PSO-2:** Evaluate the function of cyber security by identifying the tools and systems to minimize the risk to an organization's cyberspace.

**PSO-3:** Apply machine learning models, methods, and techniques for data analysis, data handling, and data visualization for effective decision-making.

  
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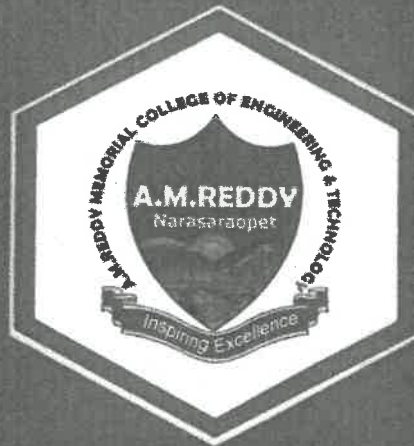
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