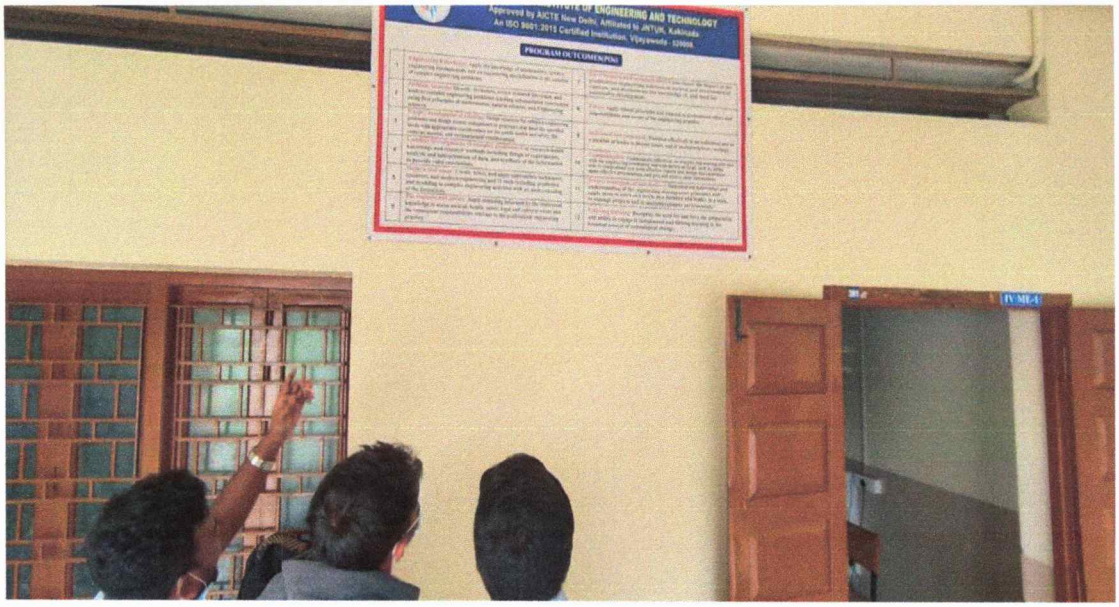
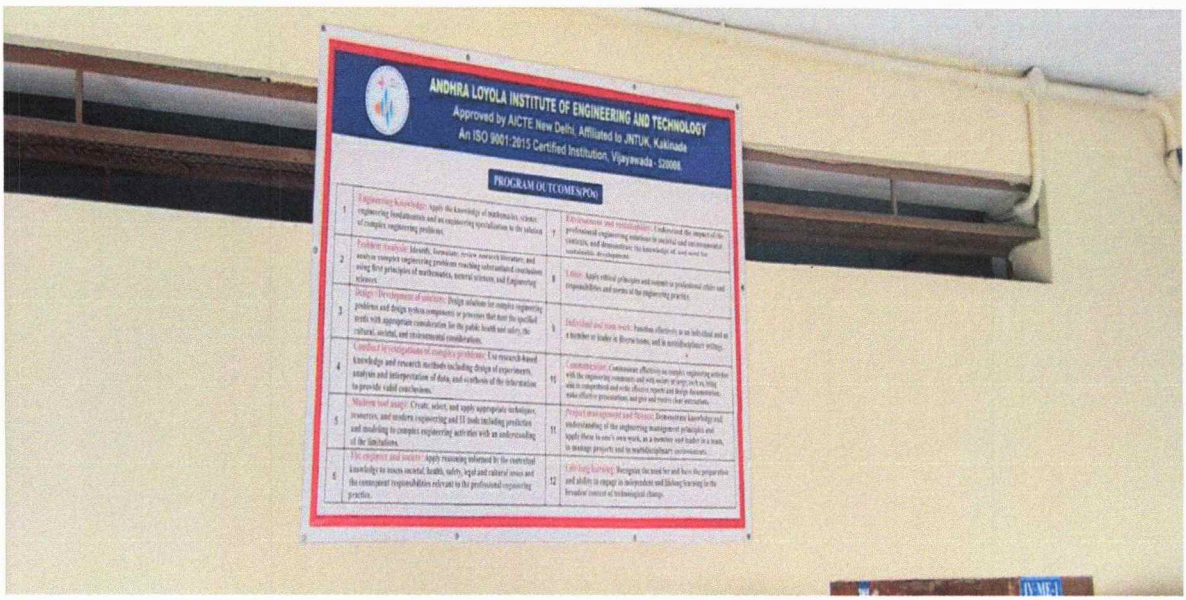
Display of Programme Outcomes in the Departments

Department of Science and Humanities



Department of Mechanical Engineering



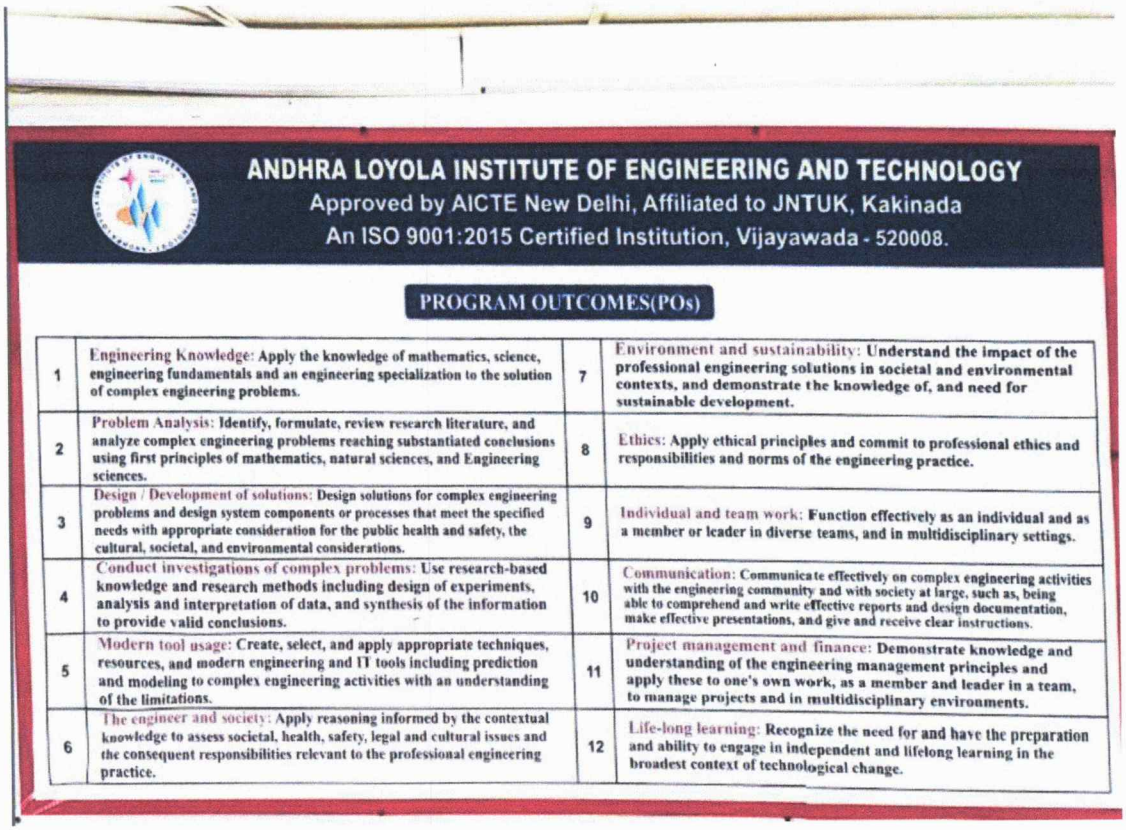
PRINCIPAL
ANDHRA LOYOLA INSTITUTE OF
ENGINEERING & TECHNOLOGY
VIJAYAWADA-520008.

ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE, New Delhi and Affiliated to JNTUK-Kakinada

An ISO 9001 : 2015 Certified Institution

Department of Computer Science Engineering

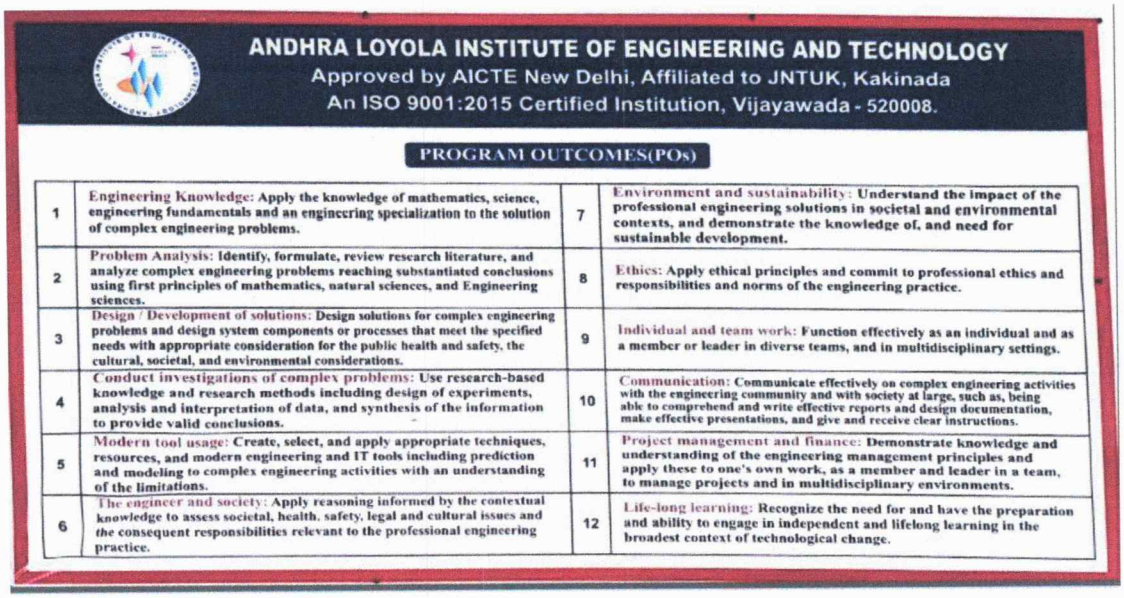


ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY
Approved by AICTE New Delhi, Affiliated to JNTUK, Kakinada
An ISO 9001:2015 Certified Institution, Vijayawada - 520008.

PROGRAM OUTCOMES(POs)

1	Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.	7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
2	Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and Engineering sciences.	8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
3	Design / Development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, the cultural, societal, and environmental considerations.	9	Individual and team work: Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.
4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.	10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
5	Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.	11	Project management and finance: Demonstrate knowledge and understanding of the engineering management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	12	Life-long learning: Recognize the need for and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

Department of Information and Technology



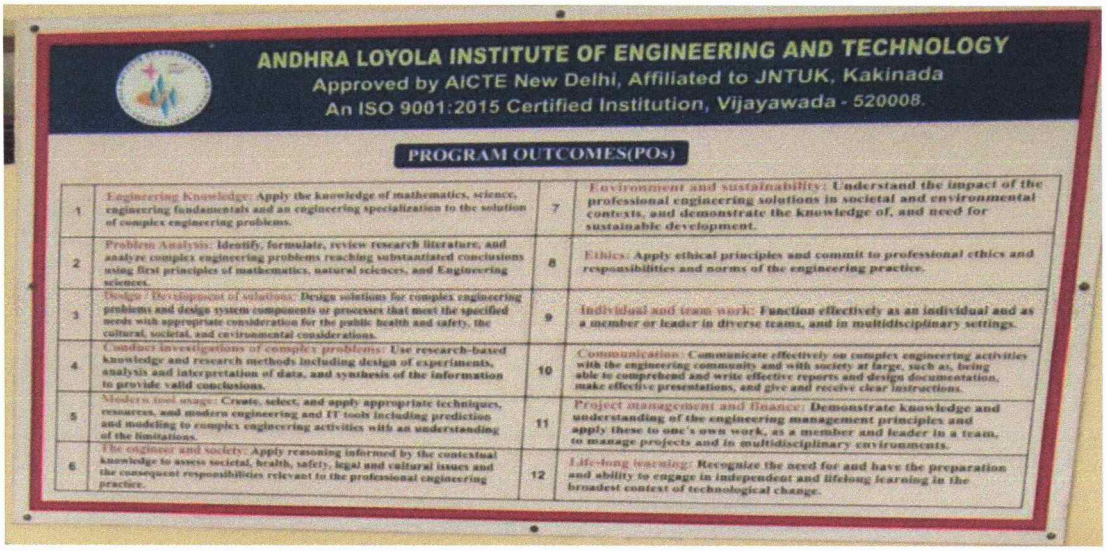
ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY
Approved by AICTE New Delhi, Affiliated to JNTUK, Kakinada
An ISO 9001:2015 Certified Institution, Vijayawada - 520008.

PROGRAM OUTCOMES(POs)

1	Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.	7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
2	Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and Engineering sciences.	8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
3	Design / Development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, the cultural, societal, and environmental considerations.	9	Individual and team work: Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.
4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.	10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
5	Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.	11	Project management and finance: Demonstrate knowledge and understanding of the engineering management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	12	Life-long learning: Recognize the need for and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

PRINCIPAL
ANDHRA LOYOLA INSTITUTE OF
ENGINEERING & TECHNOLOGY
VIJAYAWADA-520008.

Department of Electronics and Communication Engineering



ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY
Approved by AICTE New Delhi, Affiliated to JNTUK, Kakinada
An ISO 9001:2015 Certified Institution, Vijayawada - 520008.

PROGRAM OUTCOMES(POs)

1	Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.	7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
2	Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and Engineering sciences.	8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
3	Design / Development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, the cultural, societal, and environmental considerations.	9	Individual and team work: Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.
4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.	10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
5	Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.	11	Project management and finance: Demonstrate knowledge and understanding of the engineering management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	12	Life-long learning: Recognize the need for and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

ANDHRA LOYOLA
INSTITUTE OF ENGINEERING AND TECHNOLOGY
APPROVED BY AICTE, NEW DELHI, AFFILIATED TO JNTUK, KAKINADA, ACCREDITED BY NAAC
ALC CAMPUS, ITI COLLEGE ROAD, OPP:SCHOOL OF PLANING AND ARCHITECTURE, VIJAYAWADA - 8

DEPARTMENT OF MECHANICAL ENGINEERING

VISION OF THE DEPARTMENT

To become a competence center in the Mechanical Engineering discipline with strong academic and practical environment to reach the varying and stimulating needs of the current industry, research organizations, imparting social values to serve the society.

MISSION OF THE DEPARTMENT

1. To deliver technical education leading to careers as Mechanical Engineering professionals in various fields.
2. To develop human resources required to analyze, design, manufacture and optimize the performance of mechanical, thermal and manufacturing systems.

PROGRAM EDUCATIONAL OBJECTIVES

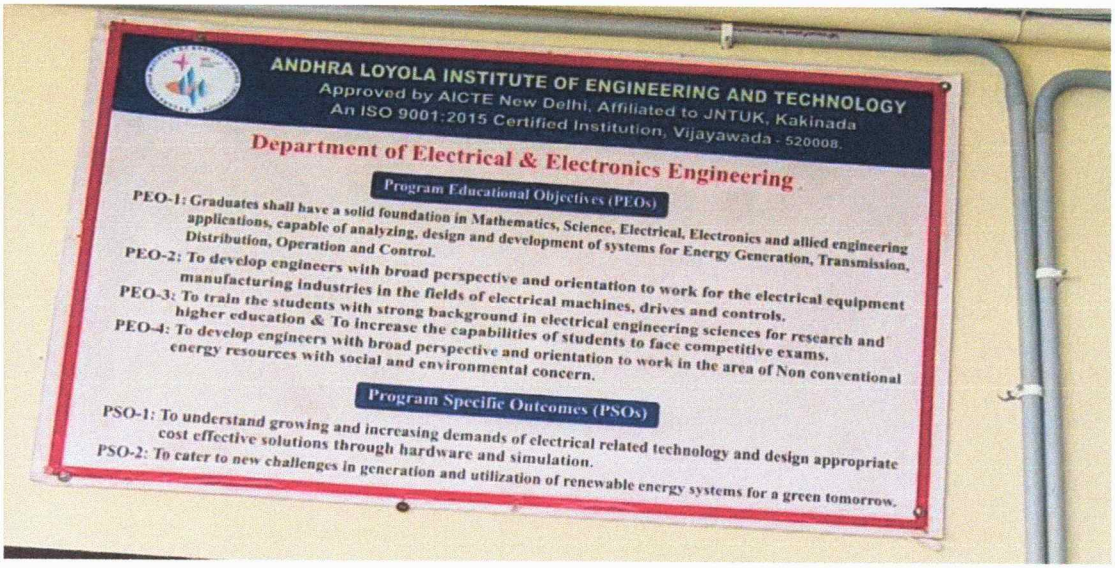
1. To educate the students with fine scientific, mechanical engineering and management principles to analyze and design new products.
2. To develop students in the field of mechanical engineering by providing good knowledge in mathematics, science and engineering fundamentals to solve technical problems, to pursue higher studies and to communicate as efficient engineering professionals.
3. To provide students an excellent academic environment to acquire leadership and ethical qualities for life-long learning, successful professional career in mechanical engineering discipline.

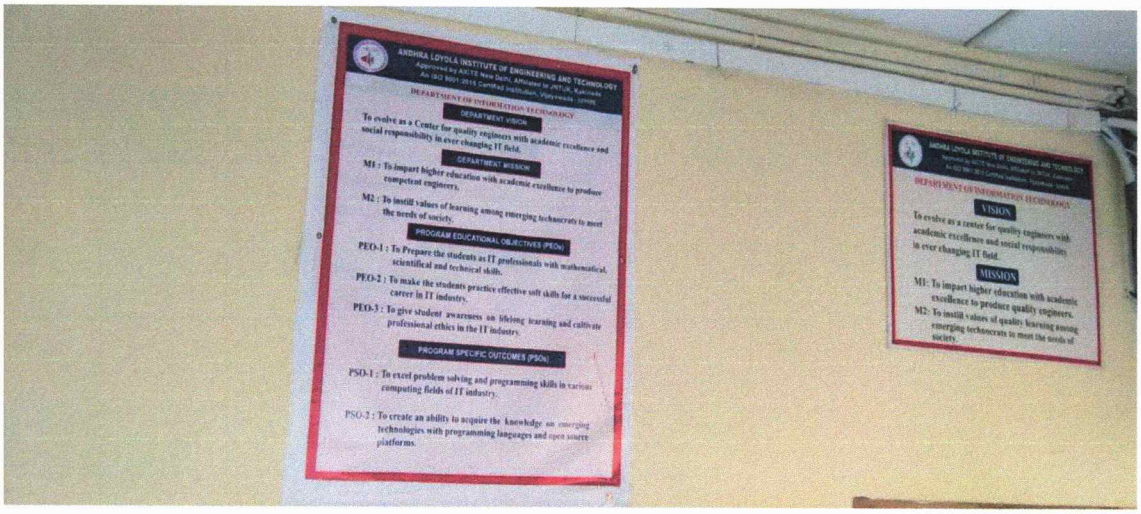
PRINCIPAL
ANDHRA LOYOLA INSTITUTE OF
ENGINEERING & TECHNOLOGY
VIJAYAWADA-520008.

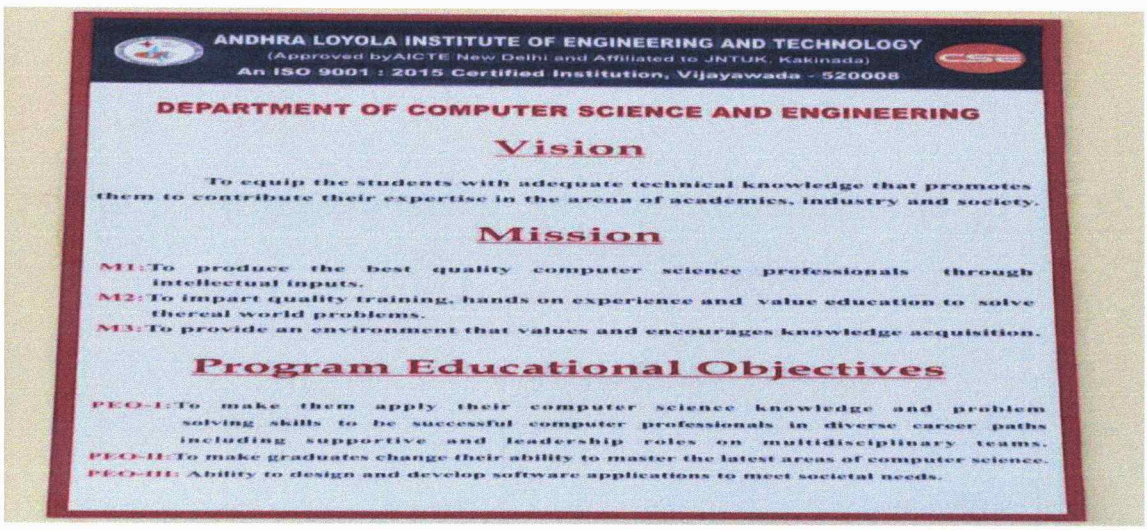
ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE, New Delhi and Affiliated to JNTUK-Kakinada

An ISO 9001 : 2015 Certified Institution







PRINCIPAL
ANDHRA LOYOLA INSTITUTE OF
ENGINEERING & TECHNOLOGY
VIJAYAWADA-520008.