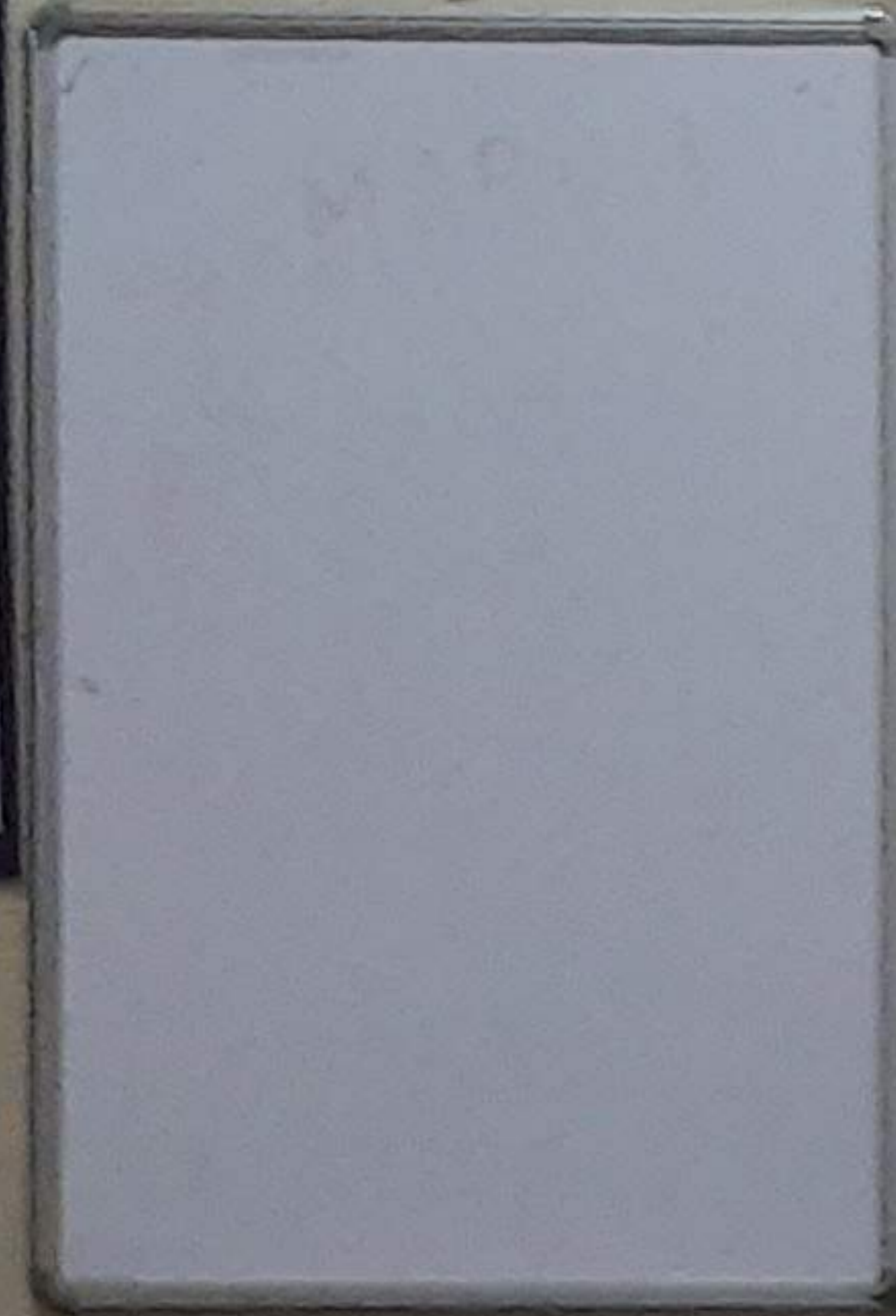


**SINDHURG SHIKSHAN PRASARAK MANDAL'S COLLEGE OF ENGINEERING**  
 A.P. Naraul Dubrik, Tal. Kankavli, Dist. Sindhurg - 415002

**INSTRUCTIONS FOR STUDENTS**

- Be regular and punctual to the classes.
- Maintain discipline (discipline) inside the classroom and in the College premises.
- Possess and produce your identity Card (ID) in the College campus.
- Maintain minimum 75% attendance in lectures, tutorials, practicals and projects etc. (In each Phase) to keep term and perform better in the University examination.
- Attend classes with textbook, notebook, calculator instrument etc. as prescribed by the faculty.
- Take care of your belongings (such as calculator, watch, mobile, jewelry etc.) at your own risk.
- Leave the classroom only with the permission of the concerned faculty or after the class is over.
- Students should get permission for visiting the class, whenever admission to such students will be purely subject to the approval of the concerned faculty.
- Laptops will not be permitted to enter the lecture hall during a class hour. However, they will be allowed to enter the lecture hall in between two class hours. In between the visitation in the class.
- Special classes will also be held as regular classes and attendance to a special class is a must.
- Switch off the lights, fans etc. while going out of the classroom.
- You are prohibited from damaging the building, furniture or equipments etc. in the classroom or loss of things or loss, you will be held financially responsible.
- Take your written permission from HOD / Class Coordinator before absencing in the classes. Subjects in this respect will be informed to the concerned faculty and action will be taken.



Type ②  
 Evaluate  $\int_0^{\infty} x^{m-1} \cos ax \, dx$

$e^{i\theta} = \cos\theta + i\sin\theta, \quad e^{-i\theta} = \cos\theta - i\sin\theta$

$R(e^{i\theta}) = \cos\theta, \quad R(e^{-i\theta}) = \cos\theta$

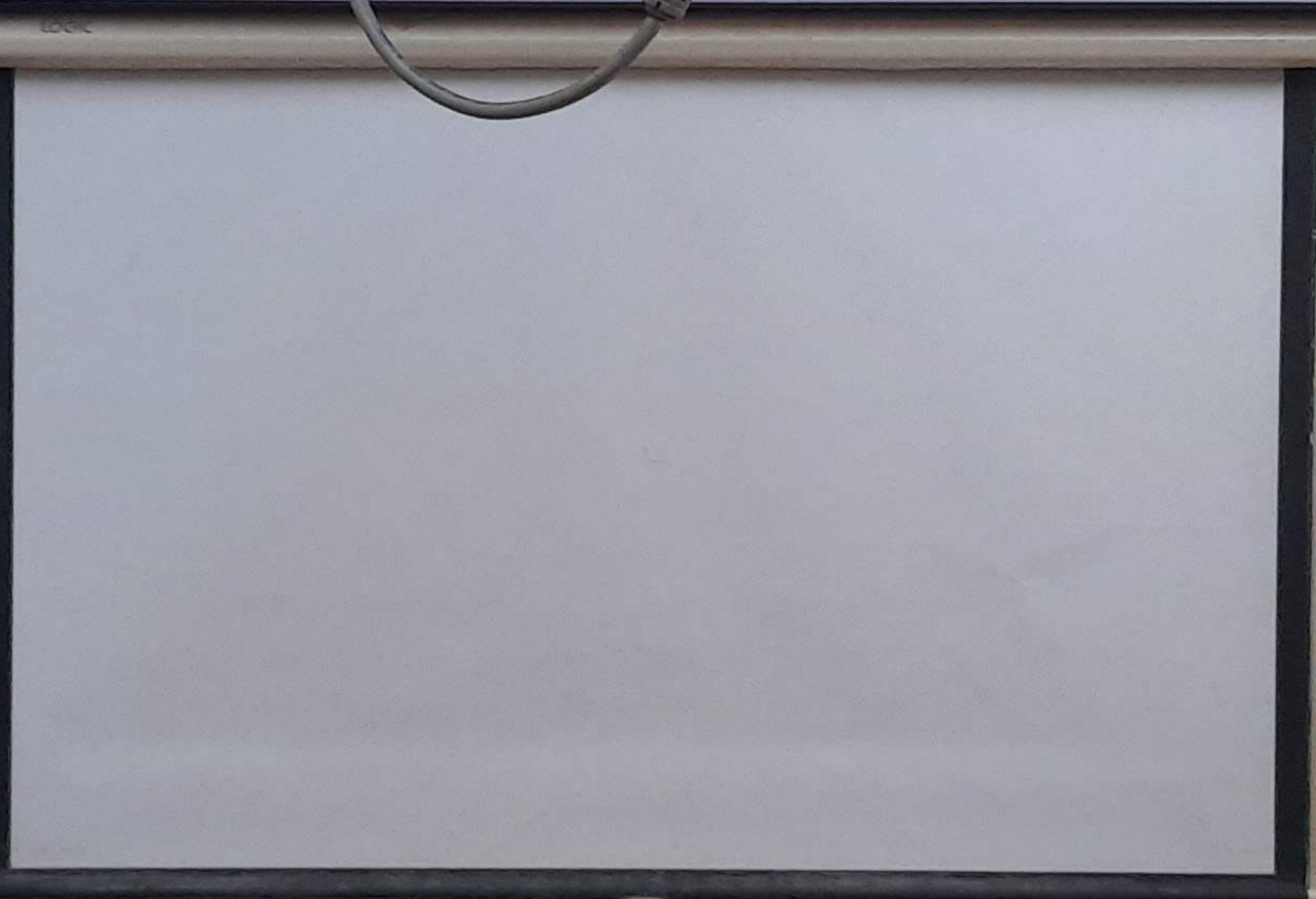
$I(e^{i\theta}) = \sin\theta, \quad I(e^{-i\theta}) = -\sin\theta$

Let  $I = R \int_0^{\infty} x^{m-1} e^{-iax} \, dx$

$iax = t$

$x$	$0$	$\infty$
$t$	$0$	$\infty$

$dx = \frac{dt}{ia}$



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**DEPARTMENT OF COMPUTER ENGINEERING**

**PROGRAMME OUTCOMES**

1. **Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify formulates, model research, solutions, and design complex engineering problems meeting basic functional constraints using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design systems, components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
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.
5. **Modern tool usage:** Choose, apply and justify appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
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 related to a professional engineering practice.
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.
8. **Ethics:** Apply ethical principles and commit to professional ethics and regulations and ascertain that the engineering practice is sustainable.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively in 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 effective oral presentations.
11. **Project management and finance:** Determine knowledge and understanding of the engineering and management principles and apply these to their own work, as a member and leader in a team, to manage projects and activities with multiple disciplines.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in order to keep up-to-date with changes in technology.

**PROGRAMME SPECIFIC OUTCOMES**

1. **PSO 1:** Participate in learning, implementing, debugging, testing and documenting programming solutions to specific business problems.
2. **PSO 2:** Demonstrate an ability to communicate supporting data communications and security systems.
3. **PSO 3:** Design and implement a database for specific business applications.









AN INSTITUTE OF  
TECHNOLOGY  
DEPARTMENT OF  
ENGINEERING  
MISSION  
Quality education to meet  
the needs of the profession and  
the society.  
An environment for overall  
development with  
multitude.