



Ajintha Education Society's  
**SantDnyaneshwarCollege, Soegaon Dist. Aurangabad.**

**Department of Physics**

**Programme Specific Outcomes:**

1. Understand the concepts of Physics subjects.
2. Trained to take up jobs in allied fields.
3. Confident to take up competitive exams.
4. Acquire analytical and logical skill for higher education.
5. Excel in experimental and theoretical Physics.
6. Impart the knowledge of physics through various activities

**Objectives:**

1. To know the basic principles of mechanics and properties of matter
2. To gain the knowledge in the concepts of gravitation and gravitational fields
3. To understand the basic concepts of heats and temperature
4. To learn the concepts of pendulum and period
5. To learn about the phenomenon of light
6. To gain the knowledge of geometrical and physical optics
7. To understand the utility of electric and magnetic phenomena
8. To gain the knowledge of thermometry and to apply in daily life
9. To study the concepts of classical mechanics
10. To study the concepts of statistical Physics
11. To know the concepts in Atomic Physics
12. To study the concepts of modern Physics and their applications
13. To study the structure of solid
14. To study the properties and application LASER

**Programme Outcomes:**

1. Understand the concepts of mechanics which is explain practically and theoretically by the scientists.
2. Understand the effect of gravitation on objects.

3. Define different thermal processes and understand laws of thermodynamics and identify its outcomes.
4. Recognize the motion of the charged particle in electromagnetic fields
5. Use different types of eyepiece according to their application.
6. Explain diffraction pattern and calculate dispersive power of grating to obtain cardinal points.
7. Using different circuits understand the construction of components
8. Understand the sources of conventional and non-conventional sources of energy
9. Practically understand the working of LASER
10. Analyse the structure of solids using lattice parameters.
11. While performing the various practical's students get the satisfaction and analyse the theoretical and practical differences.
12. Through the projects students creates their interests in research and technological aspects.
13. We provide the practical based activity to the students. Which improves the instrumental knowledge of students.

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