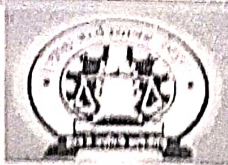


A.V.E. Society's
DEGLOOR COLLEGE, DEGLOOR
Dept. of Physics
Programme Outcomes

Our college offers undergraduate course B.Sc. i.e. Bachelor of Science.

Programme outcomes :

- i) Improvement in the quality of higher education
 - ii) Deserves to be given to enable the young generation of students to acquire skills, training and knowledge to enhance their thinking, comprehensive and application abilities
 - iii) Upgrading academic resources and learning environments.
 - iv) Science programme should make students centric, interactive and outcome oriented.
 - v) To motivate and inspire to students to create deep interest in science.
 - vi) To develop broad and balanced knowledge and understanding science.
 - vii) The programme also empowers the graduates to appear for various competitive examinations. The students can choose the post graduate programme of their choice
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A.V.E.Society's
DEGLOOR COLLEGE, DEGLOOR
Dept. of Physics
Programme Specific Outcomes

Our college offers undergraduate course B.Sc. i.e. Bachelor of Science with **Physics** as a one of the subject

Programme Specific outcomes :

- i) **Disciplinary knowledge and skills :** Good knowledge and understanding major concepts of theoretical principle and experimental findings in physics.
- ii) **Ability:** Ability to use modern instruments, laboratory techniques and design.
- iii) **Skilled communicator:** Ability to transmit complex technical information in physics.
- iv) **Critical thinker:** Ability to employ critical thinking.
- v) **Problem solver:** Ability to develops efficient problem solving skill.
- vi) **Ethical awareness:** Capable of demonstrating ability to think and analyze rationally with modern and scientific look.

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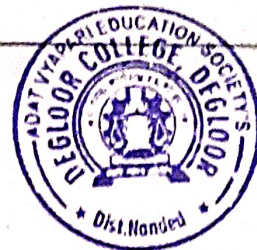


A.V.P. Amelty's
DEGLOOR COLLEGE, DEGLOOR
Dept. of Physics
Course Outcomes

Course Outcomes

B.Sc I (Physics):

- i) B.Sc. I year students should learn Mechanics, Mathematical physics in semester I and Thermal physics and Electricity and magnetism in semester II in academic year.
- ii) Students should understand motion and their applications in various dynamical situations.
- iii) Students should revise the knowledge of calculus, vector and probability and these are essentials in solving problems.
- iv) Demonstrate Gauss law and Coulombs law for electric field and applied to charges.
- v) Explains and differentiate vector and scalar field
- vi) Basic concept of thermodynamics and basic aspect of kinetic theory
- vii) Apply scilab software in solving problems.
- viii) In laboratory students perform experiments relating mechanics, properties of matter, thermal conductivity electricity and magnetism.



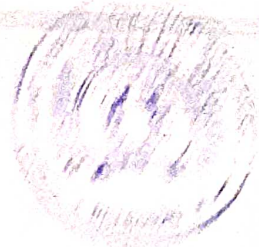
Course Outcomes:

B.Sc II (Physics):

- i) B.Sc.II year students should learn Waves and Oscillations, Electrodynamics Relativity, Statistical physics semester **III** and Optics and basic electricity in semester **IV** in academic year.
- ii) Apply basic knowledge and theories about behavior of light.
- iii) Understanding principle of superposition and characteristics of light and related phenomenon
- iv) In lab. Students gains hands on experience of using various optical instruments.
- v) Analyze phenomenon of wave propagation.
- vi) Understanding the concept of microstate and microstate.
- vii) Understanding the postulates and concept of special theory of relativity and basic electronics.
- viii) Skill enhancement courses should be undertaken.

Course Outcome:

B.Sc III (Physics):



- i) B.Sc.III year students should learn Quantum Mechanics, Solid State physics semester V and Atomic, Molecular Nuclear physics and Digital electronics in semester VI in academic year.
- ii) This course will enable the students to get familiar with dual nature of light, matter waves and Uncertainty principle and Schrodinger's equation
- iii) Understand behavior of quantum particles
- iv) A brief idea of crystalline and amorphous substances, lattice structure and vibrations, bonding in solids.
- v) Understand the basic atom models, modern concept of atoms and molecules and nuclear phenomenon.
- vi) To study digital world and modern communication.
- vii) In lab, Students will gain hands on experience of using various Modern instruments as such CRO, hydrogen discharge tube, e/m apparatus, spectrometers and polarimeter etc.
- viii) Skill enhancement courses should be undertaken.

Blainwadi
Head
Dept. of Physics
Degloor College, Degloor

Dr. Mohan N. Khatal
Dr. Mohan N. Khatal
Principal
A. V. Education Society's
Degloor College, Degloor Dist. Nanded.