



"Education for Knowledge, Science, and Culture"

- Shikshanamaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

**Vivekanand College, Kolhapur
(Autonomous)**



KOLHAPUR (AUTONOMOUS)

B.Sc. II Astrophysics

Course Outcomes (for syllabus w. e. f. 2019-20)

Fundamentals of Astronomy and Fundamentals of Astrophysics

(DSC-1511C1 Sem III)

Course Outcomes: After the completion of the course the student will be able to -

CO1: understand the basic primary concept of ancient astronomical theories. To understand the knowledge of apparent luminosity of stars

CO2: demonstrate a proficiency in solving problems in Astronomy and Astrophysics

CO3: understand the basic concepts of (I) Celestial objects, Celestial Sphere, Celestial Coordinates .(II) Terrestrial distances , concept of light years, distance of sun, moon and stars. (III) Identification of stars , various constellations and Comets , Asteroids and Meteors. (IV) Various Spectrums, Different tools of Astronomers, evolutions of stars, H-R diagram .(V) Different theories describing origin of stars

CO4: develop the critical skill in students to understand Astronomy and Astrophysics.

Galaxies, Cosmology, solar system and cosmic electrodynamics

(DSC-1001D1 Sem-IV)

Course Outcomes: After the completion of the course the student will be able to -


CO1: understand the basic knowledge about galaxies Cosmology, solar system and cosmic electrodynamics.

CO2: demonstrate a proficiency in solving problems in galaxies Cosmology, solar system and cosmic electrodynamics.

CO3: understand the basic concepts of (I) Cosmological theories , cosmological tests .(II) Milky-way galaxy, position of our solar system in milky way galaxy.(III) Details of our solar system , theories of moon (IV) Concepts of fluid, continuity equation, basic equation of fluid dynamics. (V) Equation of electrodynamics and magneto hydro dynamics

CO4: develop the critical skill in students to understand applied knowledge of Galaxies, Cosmology, solar system and cosmic electrodynamics.




HEAD
DEPARTMENT OF PHYSICS
VIVEKANAND COLLEGE, KOLHAPUR
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