COURSE INCLUDE

All about solar energy difference between power and energy, the role of energy in development, Conventional energy sources Hydro Electric, Thermal, Nuclear, Non-Conventional Energy sources Bio-mass, geo-thermal, solar, wind energy, ocean energy, wave energy, advantages and disadvantages, challenges.

Non-commercial energy sources, wood, animal wastes, agricultural waste, cost of raw materials, transport problems, issues . Hour's Solar system: Energy from the sun, solar window, atmospheric effects, diffused radiations, Air mass, effect of Air Mass, seasonal effects, environmental effects on standard test conditions.

L.V.D. COLLEGE * RAICHUR *

To join contact :

Miss.Vimala K R
(Department of physics)

Mr.Vijay Kumar
(Department of physics)

OBJECTIVES

Understand the principles that underlie the ability of various natural phenomena to deliver solar energy

outline the technologies that are used to harness the power of solar energy

discuss the positive and negative aspects of solar energy in relation to natural and human aspects of the environment

Co-ordinator
Internal Quality Assurance Cell (IQAC)
Laxmi Venkatesh Desai College,RAICHUR-03.

Taranath Shikshana Samsthe

LAXMI VENKATESH DESAI COLLEGE

Re-Accredited by NAAC with 'B' grade

DEPARTMENT OF PHYSICS
2018-19

OFFERS ADDON

COURSES
ON
Solar Energy

PRINCIPAL
L.V.D. College, RAICHUR-03.

Course include

Blue skies, blue seas-, atom, matter, light, spectrum, classification of electromagnetic spectrum. space, absorption, emission, radiation, scattering, visible spectrum, Rayleigh scattering, Rainbow. Seeing under water: light, reflection, refraction, transmission, Snell's law, total internal reflection. Refractive index. Interference, diffraction, polarization.

Cycling really fast: Speed, velocity, acceleration, force, time, density, sound, temperature, resistance, surface tension. Fun with the setting sun: speed of light, atmospheric pressure, visible spectrum

Co-ordinator
Internal Quality Assurance Cell (IQAC)
Laxmi Venkatesh Desai College,RAICHUR-03.

Objectives

- Students will understand the optical properties
- Students will understand effect of light and its properties.
- Understand the concept of effect on temperature and pressure

To join contact

- Miss. Vimala K R(Department of physics)
- Mr. Vijay Kumar (Department of physics)

L.V.D. COLLEGE * RAICHUR *

TARANATH SHIKSHANA SHAMSTHE

Laxmi Venkatesh Desai college, Raichur

Re-Accredited by NAAC with B grade

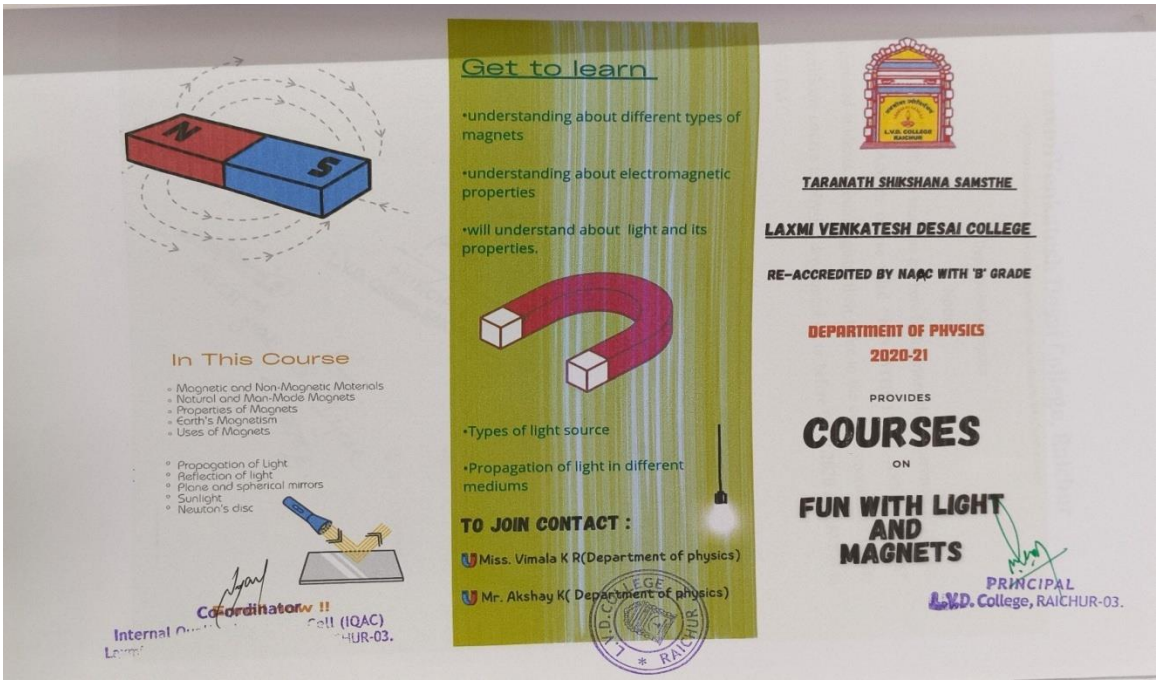
Department of physics

2019-20

offers an add-on course on

APPLICATION OF PHYSICS IN DAILY LIFE

L.V.D. College, RAICHUR-03.


N
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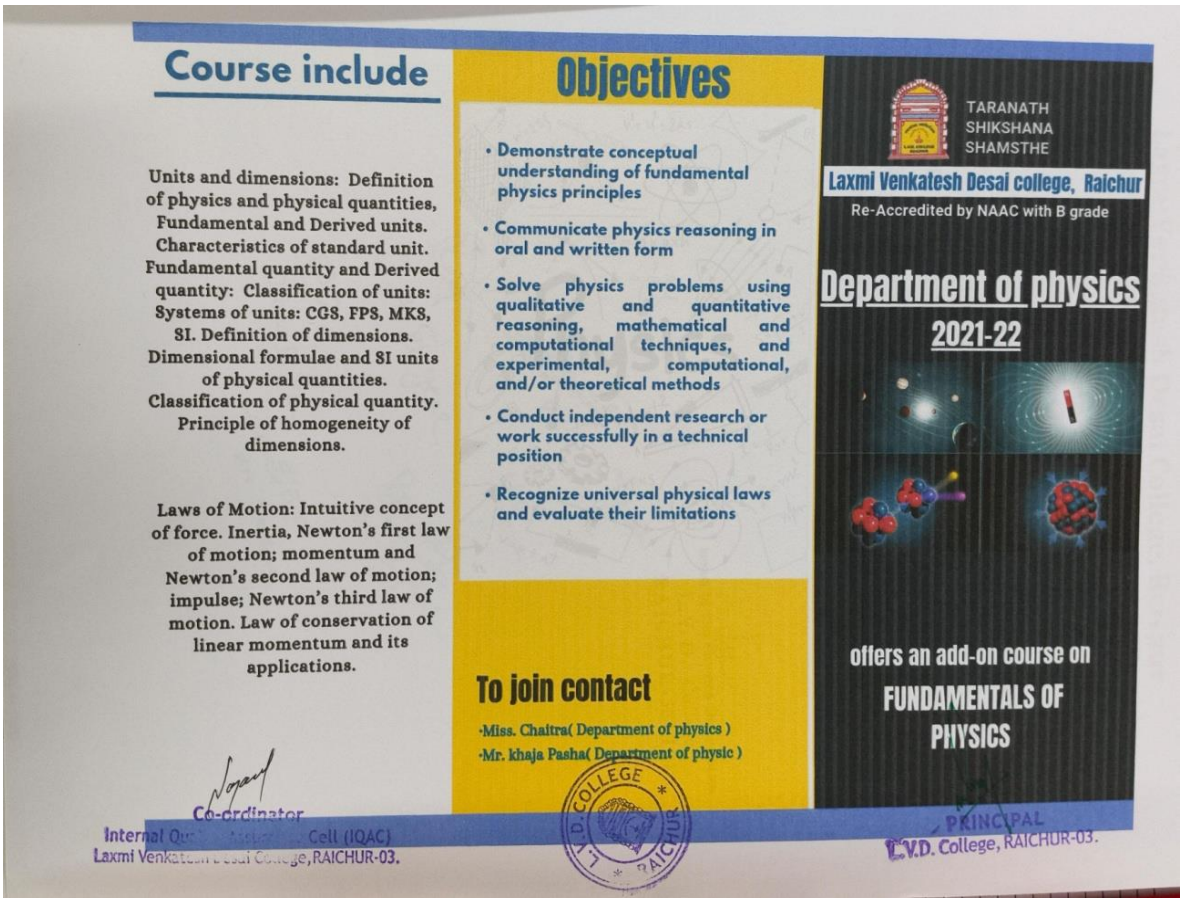
In This Course
Magnetic and Non-Magnetic Materials
Natural and Man-Made Magnets
Properties of Magnets
Earth's Magnetism
Uses of Magnets
Propogation of Light
Reflection of light
Plane and spherical mirrors
Sunlight
Newton's disc
Get to learn
•understanding about different types of magnets
•understanding about electromagnetic properties
•will understand about light and its properties.
•Types of light source
•Propagation of light in different mediums
TO JOIN CONTACT :
Miss. Vimala K R(Department of physics)
Mr. Akshay K(Department of physics)
TARANATH SHIKSHANA SAMSTHE
LAXMI VENKATESH DESAI COLLEGE
RE-ACCREDITED BY NAAC WITH 'B' GRADE
DEPARTMENT OF PHYSICS
2020-21
PROVIDES
COURSES
ON
FUN WITH LIGHT AND MAGNETS
PRINCIPAL
L.V.D. College, RAICHUR-03.
Co-ordinator
Internal Quality Assurance Cell (IQAC)
Laxmi Venkatesh Desai College, RAICHUR-03.


Course include
Units and dimensions: Definition of physics and physical quantities, Fundamental and Derived units. Characteristics of standard unit. Fundamental quantity and Derived quantity: Classification of units: Systems of units: CGS, FPS, MKS, SI. Definition of dimensions. Dimensional formulae and SI units of physical quantities. Classification of physical quantity. Principle of homogeneity of dimensions.
Laws of Motion: Intuitive concept of force. Inertia, Newton's first law of motion; momentum and Newton's second law of motion; impulse; Newton's third law of motion. Law of conservation of linear momentum and its applications.
Objectives
• Demonstrate conceptual understanding of fundamental physics principles
• Communicate physics reasoning in oral and written form
• Solve physics problems using qualitative and quantitative reasoning, mathematical and computational techniques, and experimental, computational, and/or theoretical methods
• Conduct independent research or work successfully in a technical position
• Recognize universal physical laws and evaluate their limitations
To join contact
•Miss. Chaitra(Department of physics)
•Mr. khaja Pasha(Department of physic)
TARANATH SHIKSHANA SHAMSTHE
Laxmi Venkatesh Desai college, Raichur
Re-Accredited by NAAC with B grade
Department of physics
2021-22
offers an add-on course on
FUNDAMENTALS OF PHYSICS
Co-ordinator
Internal Quality Assurance Cell (IQAC)
Laxmi Venkatesh Desai College, RAICHUR-03.
PRINCIPAL
L.V.D. College, RAICHUR-03.

IN THIS COURSE

•Terrestrial Gravity: Galileo Analyzes a Cannonball Trajectory,Moving Up: Newton Puts the Cannon on a Very High Mountain,Onward into Space: The Cannonball and the Moon,Newton's Universal Law of Gravitation,

•Introduction,Field from a Single Point Mass,Gravitational Field for Two Masses,The Principle of Superposition,Field Strength at a Point Equidistant from the Two Masses,Gravitational Field from a Ring of Mass,Field Outside a Massive Spherical Shell,Field Outside a Solid Sphere.

•Gravitational Potential Energy near the Earth,Onward and Upward Gravitational, Potential Energy in a Two Body System Gravitational Potential Escape, Potential and Kinetic Energy in a Circular Orbit.

Enroll now !

Co-ordinator

Internal Quality Assurance Cell (IQAC)
Laxmi Venkatesh Desai College,RAICHUR-03.

course outcomes :

- Make it sure that the student learns the concepts given Gravitational force and calculation of gravitational force Between any two objects.
- Gravity as a special case of gravitation, acceleration due to gravity(g),
- factors affecting 'g', weight and difference between mass & weight

To Enroll contact :

•Miss. Chaitra (Department of physics)

•Mrs. Vimala K R (Department of physics)

L.V.D. COLLEGE * RAICHUR

Taranath Shikshana Samsthe

LAXMI VENKATESH DESAI COLLEGE

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DEPARTMENT OF PHYSICS

2022-23

OFFERS COURSE

ON

GRAVITATION

PRINCIPAL
L.V.D. College, RAICHUR-03.

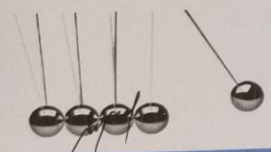
Course include

Motion and Measurement of Distances

- Measurement
  - a. Measurement of Length
  - b. Measurement of Mass
  - c. Measurement of Time
- Transportation
- Units of Measurement
- Motion
- Types of Motion

Electricity and Circuits

- Electric Cell
- Electric Bulb
- Electric Circuit
- Electrical Switch
- Electric Torch
- Conductors and Insulators
- Electrical Safety

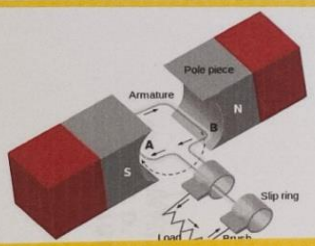


Co-ordinator

Internal Quality Assurance Cell (IQAC)
Laxmi Venkatesh Desai College,RAICHUR-03.

Objectives

- students will be able to measure length, mass, and time with their units.
- Students will be able to make connections between force, motion, and energy
- Students are able to gain knowledge about cell,bulb and circuit
- Students are able to understand and differentiate among conductors and insulators



To join contact

•Miss. Chaitra (Department of physics)

•Mr. Akshay K (Department of physics)

L.V.D. COLLEGE * RAICHUR

TARANATH SHIKSHANA SHAMSTHE

Laxmi Venkatesh Desai college, Raichur

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Department of physics

2022-23

offers an add-on course on

MOTION AND ELECTRICITY

L.V.D. College, RAICHUR-03.