

Sree Narayana College, Chengannur
Department of Physics

BRIDGE COURSE

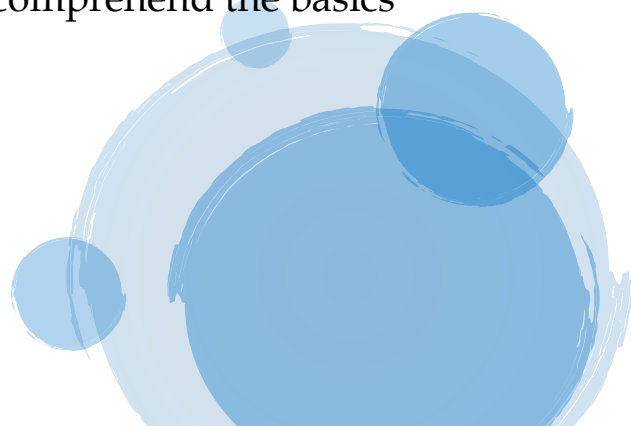
The Department of Physics provides a one-week duration bridge course to enhance the basic knowledge of the first-degree students. The fundamentals of plus two-level science subjects are necessary to understand the subject at an ease and this will lead to a better appreciation of the subject.

Objectives

The bridge course aims to provide a foundation in the core subjects for the new students so that they do not face any difficulty when the classes commence. The interactive session of six hours with the faculty and their classmates will equip the students with the knowledge and the confidence needed to take up the new course. Bridge course will help the students to have a smooth transition to the first-degree course.

Learning Outcomes

- ✚ The learner will understand the concepts, comprehend the basics rules and procedures
- ✚ Equips the students with the laboratory
- ✚ Improves the practical skill of the students



Bridge Course - Syllabus - 2021-2023 Batch Students

Theory Sessions

(4 hours)

- Fundamental Physical quantities
 1. Fundamentals of Units & Measurements
 2. Dimension Formulae
- Scalar and Vector quantities
 1. Scalar and vector product - Problem solving
 2. Vector analysis
 3. Vector addition, subtraction, multiplication & Division
- Fundamental laws in Physics
 1. Newtons laws
 2. Energy & Momentum conservation
 3. Ohms laws
 4. Coulombs law

Practical Sessions

(2 hours)

- Least Count of measuring instruments
Screw gauge and Vernier calipers

Student Assessment

(1 hour)



Sree Narayana College, Chengannur

Department of Physics

REPORT ON BRIDGE COURSE

The Department of Physics organized a one-week duration bridge course to provide a foundation in the core subjects for the new admission (2021-2024 Batch) B.Sc. Physics students. Bridge course will help the students to have a smooth transition from plus – two classes to the first-degree course. As per the decision of Department, the one hour classes (Both theory and Practical Sessions) were taken by Miss. Renju Ravi (Class tutor) from 15/12/2021 to 23/12/2021 after the regular class hours (3:00 pm to 4:00 pm).

Details of the Sessions

Sl. No	Date	Topics Covered
1	15/12/2021	<ul style="list-style-type: none">• Fundamental Physical quantities <ol style="list-style-type: none">1. Fundamentals of Units & Measurements2. Dimension Formulae
2	16/12/2021	<ul style="list-style-type: none">• Scalar and Vector quantities <ol style="list-style-type: none">1. Scalar and vector product – Problem solving2. Vector analysis3. Vector addition, subtraction, multiplication & Division
3	17/12/2021	<ul style="list-style-type: none">• Fundamental laws in Physics <ol style="list-style-type: none">1. Newton's laws2. Energy & Momentum conservation
4	20/12/2021	<ul style="list-style-type: none">• Fundamental laws in Physics <ol style="list-style-type: none">1. Ohm's laws2. Coulomb's law
5	21/12/2021	<ul style="list-style-type: none">• Least Count of measuring and usage of instruments <ol style="list-style-type: none">1. Screw gauge
6	22/12/2021	<ul style="list-style-type: none">• Least Count of measuring and usage of instruments Vernier calipers
7	23/12/2021	Conduct test paper for theory session

PHOTOGRAPHS



Ms. Renju Ravi taking theory classes



Ms. Renju Ravi taking practical classes



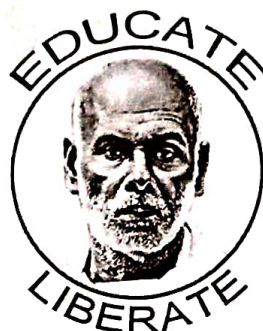
Evaluation Process



SREE NARAYANA COLLEGE CHENGANNUR

College Code : 128

20..21..... -20..24.....



CHOICE BASED CREDIT AND SEMESTER SYSTEM (CBCSS)
DEGREE PROGRAMME (UG)

CONTINUOUS EVALUATION REGISTER

DEPARTMENT:.....PHYSICS.....

Programme.....BRIDGE COURSE.....Programme Code.....230.....

Class...B.Sc...Physics...Semester.....I.....Year.....I.....

Course Code.....Title of Course.....

.....BRIDGE COURSE.....

Teacher(s)-in-charge.....RENTU RAVI.....

