

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
- **4** Equips the students with the laboratory
- ♣ Improves the practical skill of the students

Bridge Course - Syllabus - 2021-2023 Batch Students

4 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

4 Practical Sessions

(2 hours)

- Least Count of measuring instruments
 Screw gauge and Vernier calipers
- **4** 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
		Fundamental Physical quantities
1	15/12/2021	1. Fundamentals of Units & Measurements
		2. Dimension Formulae
		Scalar and Vector quantities
_		Scalar and vector product - Problem solving
2	16/12/2021	2. Vector analysis
		3. Vector addition, subtraction, multiplication & Division
		Fundamental laws in Physics
3	17/12/2021	1. Newton's laws
		2. Energy & Momentum conservation
		Fundamental laws in Physics
4	20/12/2021	1. Ohm's laws
		2. Coulomb's law
5	21/12/2021	Least Count of measuring and usage of instruments
		1. Screw gauge
6	22/12/2021	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

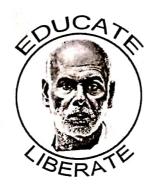




SREE NARAYANA COLLEGE CHENGANNUR

College Code: 128

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

CONTINUOUS EVALUATION REGISTER

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	chargeRENJU RAVI	

ATTENDANCE

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REGISTER.

Class time ; 3:00 pm - 4:00 pm

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