






### Lab Information F.Y. B.Tech 2020-21

Lab Name	Sub Code	Lab In charge	Name of T. A.	Information about Lab & Practicals	Laboratory Picture
<b>Physics Laboratory (72sq.m.)</b>	20BS04L	Dr. Dnyaneshwar R. Bhosale	Miss. Rukayya Kureshi	To inculcate experimental skills in students and demonstrate the interplay between theoretical & experimental physics to the students. Various experiments from different areas of physics such as, Physical Optics (Michelson Interferometer, Diffraction Grating, Polarization, emission spectra etc.), Electromagnetism & Heat (Faraday's Law, Dia-Para-Ferromagnetism, Specific Heat etc.), and Modern Physics (Planck's Constant, Hall Effect, Zeeman Effect etc.) are performed. The concepts of classical and quantum physics are imbibed and their experimental skills developed.	
<b>Chemistry Lab (86 sq.m)</b>	20BS02L	Dr. Manisha Jail	Mrs. Kshama Malwadkar	Chemistry experiments include different types of volumetric analysis such as acid-base, complexometric, redox titration using indicator and instruments such as pH meter, conductivity meter and potentiometer. Using flame photometer and colorimeter the presence of alkali metals in different samples and concentration of particular substance is determined respectively. Also coal analysis and polymer molecular weight are determined.	
<b>Basic Electrical and Electronic Engineering Lab ( 115.79 sq.m)</b>	20ES01L	Prof. Milly Thomas	Ms. Asawari Joshi	Students perform basic domestic wiring , apply circuit laws to electric network , build a basic regulated DC power supply, obtain frequency response of CE amplifier and build basic digital circuits	

<b>Geo- Informatics Lab (112 sq.m.)</b>	20ES06L	Prof. Vishal Deore	1. Bageshri Khade 2. Madhuri Malwadkar	To introduce basics of spatial data and its creation about the Geodata & GIS software.	
<b>Engineering Graphics Lab (166.63 sq.m)</b>	20ES04L	Prof. A. S. Shinde	Mr. B. K. Takale	Drafting software is used for conducting the practical. Introduction to 3-D printing is included	
<b>Fundamentals of Programming Language Lab (90 sq.m)</b>	20ES02L / 20ES05L	Prof. Harshad Wadkar	Mr. Ajay Purandare	To learn fundamentals of C Programming. Implement, test and execute developed logic or algorithm to C program using appropriate data type, operators. Identify different functions for a problem to construct a modular solution.	