









Laboratory and Liberal Learning Courses Information - F.Y. B.Tech 2023-24

Lab Name	Subject Code	Lab In charge	Name of T. A.	Information about the Lab & Practicals or the course	Laboratory/Course Picture
Physics	BSC101L	Dr. Shruthi Nair	Mrs. Priti Dange	<p>The physics lab course includes physics experiments from branches of physics namely, Optics (Newton's rings interferometer, Diffraction grating, polarization of light etc), Electromagnetism (Capacitance and dielectric constant, Magnetic permeability, dia para ferromagnetism.) and Modern Physics (Planck's constant). Students learn to correlate experimental findings with the theoretical basics.</p>	
Chemistry	BSC102L	Dr. Manisha Jail	Mrs. Kshama Malwadkar	<p>Students perform different chemistry experiments which includes types of volumetric analysis such as acid-base, complexometric, redox titration and use instruments such as pH meter, conductivity meter, potentiometer, spectral analysis using flame photometer and colorimeter as well as coal analysis and polymer molecular weight determination .</p>	

Basic Electrical and Electronics	ESC102L	Prof. Smriti Gupta	Mrs.Bageshr ee Khadye	Students perform domestic wiring , apply circuit laws to electric network, build a regulated DC power supply, obtain frequency response of CE amplifier and build basic digital circuits	 

<p>Engineering Graphics</p>	<p>ESC101</p>	<p>Prof. A. S. Shinde</p>	<p>Mr. B. K. Takale</p>	<p>Drafting software like AUTOCAD used for conducting the Practicals also Students were Introduced to 3-D printing Technique using available 3D Printer</p>	 <p>The image shows a computer lab with students at their desks. A large screen at the front displays a CAD drawing. A 3D printer is visible in the foreground. The image includes a Google Maps overlay with the following text: "Pune, Maharashtra, India 10/2/25, Karve Nagar, Pune, Maharashtra 411052, India Lat 18.485285° Long 73.816563° 27/03/24 01:55 PM GMT +05:30".</p>
<p>Programming skills in C Language Lab</p>	<p>VSEC101</p>	<p>Prof. Pratima Kulkarni</p>	<p>-</p>	<p>Programs based on concepts of C - data types, operators, arrays, strings, control loops, functions</p>	 <p>The image shows a computer lab with several desks and chairs, ready for use. The image includes a Google Maps overlay with the following text: "Pune, Maharashtra, India 10/2/25, Karve Nagar, Pune, Maharashtra 411052, India Lat 18.485285° Long 73.816563° 27/03/24 01:55 PM GMT +05:30".</p>

<p>Liberal learning Course1</p>	<p>CC101</p>	<p>Prof. Tilottama Sujit Barhate</p>	<p>NA</p>	<p>1. Culinary Arts: Students get hands-on sessions on cooking healthy and tasty recipes.</p>	
				<p>2. Gardening: Students understand the basics of gardening and try out their learnings in the garden area within college campus.</p>	

3. Painting:
Students enjoy sessions on sketching, pencil shading, watercolor painting. Learn various tribal arts like Warli, Madhubani etc.






4. Dance: Students learn basic choreography on bollywood dance, indian classical basic steps, folk dance etc.



5. Theater:
Students learn the basics of performing arts which includes dialogue delivery, facial expressions, acting etc.



<p>Liberal learning Course 2</p>	<p>CC202</p>	<p>Prof.Sneha Singh</p>	<p>NA</p>	<p>The courses proposed under this course are as;</p> <p>1. Yogasana and Meditation Students perform various asanas, practice breathing techniques, and do meditation in this lab.</p>	
				<p>2. Foreign Language (German/ French/Japanese)- Oral practice is given to students through various activities to learn language.</p>	 <p>Pune, Maharashtra, India 10/2/2/8, Late Sangunabal Tanaji Pathi, Karve Nagar, Pune, Maharashtra 411052, India Lat 18.485464° Long 73.816219° 01/04/24 05:07 PM GMT +05:30</p>
				<p>3. Leadership and Personality Development- Students participate in various activities & games to encourage collaboration, communication, & leadership skills.</p>	 <p>Pune, Maharashtra, India FRP8+7P, Lane No. 1, Sahu Colony, Karve Nagar, Pune, Maharashtra 411052, India Lat 18.486232° Long 73.815883° 28/03/24 03:26 PM GMT +05:30</p>