

Virtual Labs Usage Planner

Semester: Odd Semester Year: 2023- 2024

Name of the Institute: ABMSP's Anantrao Pawar College of Engineering and Research VLNC ID: 215

Sr No	Name of Dept./ Dept. Coordinator	Subject/ Subject Teacher	VLab Available with website link (Y/N)	No. of VLab Practical planned as per syllabus (A)	No. of VLab Practical planned for content beyond syllabus (B)	No. of students in class (C)	Tentative Usage of Individual subject (A+B)*C	Sign of Subject Teacher	Tentative Dept .No. User /No.Usage	Sign of Dept. Coordinator	Sign of HOD
1	E & TC (Electronics & Telecommunications) Prof. Kishor Jadhav	1 Power Devices and Circuits/ Prof Vaishali Bhimte	Y	0	1	30	30	<i>Abhimata</i>	483/1494	<i>Prof. K. Jadhav</i>	<i>Dr. S.R. Deshpande</i>
		2 Principles of Communication /Prof. Vaishali Bhimte	Y	2	1	36	108	<i>Abhimata</i>			
		3 Java script/ Prof. Sharad Jagtap	Y	0	1	36	36	<i>Sharad</i>			
		4 Basic Electronics / Prof. Sharad Jagtap	Y	2	1	60	180	<i>Sharad</i>			
		Basic Electronics/ Prof. Nikita R. Bhagat	Y	2	0	60	120	<i>N.R. Bhagat</i>			
		5 Fundamentals Java Programming / Prof. S.A. Gandhi	Y	2	0	36	72	<i>Gandhi</i>			
		6. Basic Electronics / Electric circuit Prof. Prajakta Wankhede	Y	2	0	60	120	<i>P.W.</i>			
7 Electric circuit Prof. Prajakta Wankhede	Y	2	0	39	78	<i>P.W.</i>					

		8. Cloud computing/ Prof. Snehal Veer	Y	2	1	30	90	<i>Sveer</i>			
		9. Microcontrollers / Prof.Ashwini Suryawanshi	Y	2	0	36	72	<i>Ashwini</i>			
		10.Electronic Circuits/Prof.Prachi Upasani	Y	2	0	39	78	<i>Prachi</i>			<i>Gradual</i>
		11.Machine Learning /Prof S.A Gandhi	Y	10	0	36	360	<i>Gandhi</i>			
		12. Digital Circuits / Prof. Nikita R. Bhagat	Y	2	0	39	78	<i>NBhagat</i>			
		13.Radiation and Microwave Theory / Prof. K.P.Jadhav	Y	2	0	36	72	<i>K.P.</i>			
	COMP.	LP III / Prof. Rama Gaikwad	Y	0	1	77	77	<i>Raikwad</i>			
	(Computer Engineering)	DSL / Prof. Anil Lohar	Y	2	1	77	231	<i>Anil</i>			
	Prof. Pranjali More	LP I / Prof. Jitendra Musale	Y	1	0	77	77	<i>JM</i>	539/924		
	Chetana Upasani	DBMSL / Prof. Pranjali More	Y	1	0	77	77	<i>Pran</i>			<i>Raikwad</i>
		CNL / Prof.Amruta More	Y	2	0	77	154	<i>Amruta</i>			Prof. Rama Gaikwad
		OOPL / Prof. Chetna Upasani	Y	1	1	77	154	<i>Upasani</i>			
		CGL / Prof. Devendra Bharambe	Y	1	1	77	154	<i>DB</i>			
3	IT	1.Operating System/ Prof. A. R. Dodake	N	0	1	76	76	<i>ARdodake</i>			
	(Information Technology Engineering)	2.ISR/ Prof.S.R.Kokane	N	0	2	87	174	<i>SRKokane</i>			
	Prof. Devika Rankhambe										

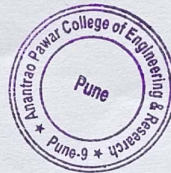
		3.Deep Learning/ Prof.R.S.Lavhe,	Y	2	2	87	348	<i>[Signature]</i>	711/2680	<i>[Signature]</i> 18/10/23 Dr. Amit Kadam
		4. DSA/ Prof. Mangal Wagh	Y	2	1	77	231	<i>[Signature]</i>		
		5.Human Computer Interface/ Prof.D.P.Rankhambe/	Y	4	3	78	546	<i>[Signature]</i>		
		7.Machine Learning / Prof. A. K. Kalal/	Y	4	2	78	468	<i>[Signature]</i>		
		8.Data Science and Vis. / Prof.D. P.Rankhambe	Y	2	2	78	312	<i>[Signature]</i>		
		9. BCL/ Prof. R.A. Nikam	Y	2	1	75	225	<i>[Signature]</i>		
		10. LDC/ Prof. Kiran Ghate	Y	3	1	75	300	<i>[Signature]</i>		
4	MECH (Mechanical Engineering) Prof. Sampada Aheroa	Advance forming and Joining Process/Prof. A. R .Wankhade	N	2	0	60	120	<i>[Signature]</i>	435/1185	<i>[Signature]</i> 18/10/23 Prof. G.E. Kondhakar
		Electric Vehicle /Prof. M.P.Kumbhare	Y	2	0	60	120	<i>[Signature]</i>		
		Heat Transfer / Prof. D. S. Ware	Y	3	0	60	180	<i>[Signature]</i>		
		NSM/ Prof. C. E. Kolambe	Y	3	1	60	240	<i>[Signature]</i>		
		Design of Machine Elements /Prof. N.A.Jadhav	N	0	2	60	120	<i>[Signature]</i>		
		Thermodynamics/ Prof. Mhetre V K	Y	2	0	30	60	<i>[Signature]</i>		
		SOM/ Prof. Snehal Darekar	Y	3	2	30	150	<i>[Signature]</i>		

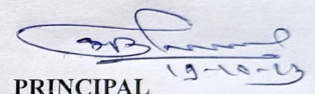
		DOM/ Prof. S. Aheroa	Y	2	1	45	135	As.				
		9. Engineering material and Metallurgy/ Prof. S. V. Raut	N	0	2	30	60	Raut				
5	CIVIL (Civil ENgineering) Prof. Krantikumar V. Mhetre	1 Fluid Mechanics/ Prof. R. K. Yadav	Y	9	2	40	440	Raut	220/2100	Aheroa	Dr	
		2 Engg. Geology/ Prof. Sachin J. Yadav	Y	6	1	40	280	Sydar				
		3 ,Mechanics of Structure / Dr. A. B. Shelar	Y	8	4	40	480	Dr				
		4. Water Supply Engg. / Prof. R. P. Gaikwad	Y	8	2	50	500	Dr				
		4 Transportation Engineering/ Prof. R.K. Yadav	Y	7	1	50	400	Raut				
6	AI & DS (Artificial Intelligence and Data Science Engineering) Prof. P.S. Hanwate	1 Fundamentals of Data Structure/ Prof. Sneha Salvekar	Y	3	2	38	190	Raut	76/456	Bhargava	Dr	
		2 Computer Graphics /Prof. Prof. P.S. Hanwate	Y	5	2	38	266	Bansal				
7	FE (First Year of Engineering) Prof. Dr. Rashmi Kenvat	1. Chemistry Lab/Dr. G. S. Kamble	Y	4	1	53	265	Gaj	321/1605	Bansal	Bsalakar	
		2. Chemistry Lab Dr. B. S. Selukar	Y	4	1	54	270	Bsalakar				
		3. Mathematics / Dr. R. M. Kenvat	Y	0	5	53	265	Dr				
		4. Mathematics/Prof. Kharat Rajesh	Y	0	5	54	270	Rhasat				
		5. Physics Lab Prof. M. V. Jagtap	Y	4	1	54	270	M Jagtap				
		Electrical Lab Prof. Amol Atpatkar	Y	4	1	53	265	Atpatkar				
10	Outreach Workshop 1: Virtual Lab Awareness Workshop							Tentative Workshop Usage: 100				

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11	Outreach Workshop 2: -	Tentative Workshop Usage:-
	Targeted Total Usage In-house	2785 / 10444
	Targeted Total Usage Outreach	50 / 100
	Targeted Total Institute Usage (In-house + Outreach):	2835 / 10544


Nodal Coordinator




PRINCIPAL
(Sign & Stamp)

Instructions & Guidelines:

- 1) Nodal Coordinator will conduct meeting of all the VLAB Department Coordinators &
 - a) Brief the importance and benefits of Virtual Labs &
 - b) Explain how online feedback is to be submitted by the students.
- 2) VLAB department coordinators should brief the staff members of their respective department about points explained in step 1.
- 3) Subject teacher has to find out the VLABs available for his/her subject for the ongoing semester course.
- 4) Nodal Coordinator should collect the VLAB plan from various department coordinators at the beginning of the semester in the above format.
- 5) The Time Table of the VLAB In-House activity should be communicated to the Nodal Coordinator who in turn will upload it on the IITB outreach portal.

- 6) During Virtual Lab activity, the subject teacher should explain to the students the method of online submission of feedback and ensure the submission of feedback by every student.
- 7) The institute should take the responsibility to take due care to achieve the final proposed usage by the end of the semester.
- 8) The respective Regional Coordinator has to be updated by the Nodal Coordinator for all outreach activities via email.

Benefits of Virtual Lab Platform:

- ❖ It provides students with additional learning resources using ICT tools.
- ❖ Teachers can integrate classroom teaching with virtual experimentation.
- ❖ Teachers can provide contents beyond syllabus through virtual experimentation.
- ❖ Once explained, students can learn at their own pace (available 24x7).
- ❖ Virtual Lab development can be offered to students as an additional course (full time /audit).
- ❖ Provides new virtual lab development opportunities for students and faculty.