

Theory Course Details
(UNIT-I TO V)

2 HOURS	Unit-I General Lab.Safety Introduction and Basics	LECTURER NAME
1	-Introduction of lab.safety- -Introduction of chemical laboratory -Use of MSDS Sheet. -Use of Internet, Books, and other sources for identify chemical nature. -Importance of various symbol (Health Hazard.Explosive.Corrosive)	PROF.INAMDAR K.B.
2	-General information on PPE kit like face shield, goggles etc.	
2 HOURS	Unit-II Chemical Nature in Laboratory	LECTURER NAME
3	Chemical Nature Identify Chemical nature- -Poisonous, -Non-poisonous, -Explosive -Acute toxic -Chronic toxic.....etc.	PROF.INAMDAR K.B.
3 HOURS	Unit-III Rules and regulation in Laboratory	LECTURER NAME
4	Rule and regulation to avoid any health hazard or accidents and Guidelines -No Food or Drink. -Wear Your PPE and Proper Lab Attire. -Good Hygiene. -Use Proper Storage Containers. -Label Your Work Space. -Don't Work Alone. -Stay Focused and Aware of Your Surroundings. -Participate in Safety Exercises.....etc.	Dr.KANDE S.R.

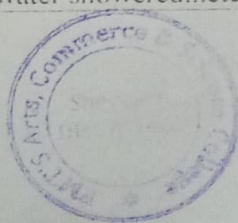


3 HOURS	Unit-IV Major key points in Laboratory for safety purpose	LECTURER NAME
5	While performing work in chemical laboratory some major key points are given below as- -Dispose of waste properly -Avoid ingestion chemical - Leave experiments at the lab -Label properly -Do not taste or smell chemicals -Act responsibly in the lab -Understanding hazards -Pay attention hazardous symbol....etc.	DR.KANDE S.R.
3 HOURS	Unit-V Medical Emergency And Accident Case	LECTURER NAME
6	Students have knowledge that while performing work sometime emergency or accidents happens so how to deal with that situation is included in this unit- -fire extinguisher -Alarm - Use of Social network-mobile, landline,etc. -Don't be panic and learn how to handle situation -Use of Medical appliances - Identify and manage which type of emergency -Call experts, police. -knowledge of chemicals for handling situation.	PROF.POTANGALE C.N.
2 HOURS	Unit-VI Use Of Internet, Reserch Paper, Reference Books ...Etc.	LECTURER NAME
7	By the use of internet, research papers, reference books ...etc. are useful for find chemicals nature and guide to ideal work in lab.	PROF.POTANGALE C.N.



**Practical Course Details
(UNIT-V TO VII)**

3 HOURS	Unit-V Practical(Activity Oriented)	LECTURER NAME
1	Learn how to use of PPE kit, MSDS sheets.	PROF.INAMDAR K.B.
3 HOURS	Unit-VI Practical(Activity Oriented)	LECTURER NAME
2	Key to identify different types of nature Chemicals.	PROF.INAMDAR K.B.
3 HOURS.	Unit-VI Practical(Activity Oriented)	LECTURER NAME
3	Learn to identify symbols and its use	PROF.INAMDAR K.B.
3 HOURS.	Unit-VI Practical(Activity Oriented)	LECTURER NAME
4	Perform one activity like manage Fire handling.	Dr. KANDE S.R.
3 HOURS	Unit-VI Practical(Activity Oriented)	LECTURER NAME
5	Use of water shower, Fume hood, other useful resources in lab.....	Dr.KANDE S.R.
3 HOURS	Unit-VI(Activity Oriented)	LECTURER NAME
6	Use social network Alarm system Call emergency system...etc.	PROF.POTANGALE C.N.
3 HOURS	Unit-VI(Activity Oriented)	LECTURER NAME
7	How to spread awareness in our field workers and in society	PROF.POTANGALE C.N.
3 HOURS	Unit-VI(Activity Oriented)	LECTURER NAME
8	Investigation system e.g. any case industry	PROF.INAMDAR K.B.
6 HOURS	Unit-VII Laboratory visit(One Day)	LECTURER NAME
9	Visit to well-equipped laboratory for gaining better knowledge regarding safety. Observe the various lab.safety equipment's like fume hood, fire extinguisher, and water showered...etc	PROF.INAMDAR K.B.

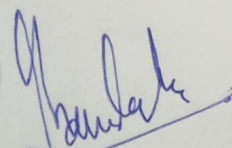


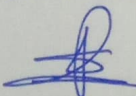
Advantage of the Course and future Prospects And expected Outcomes:

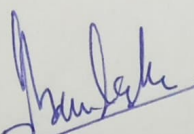
- IX. Students can get sufficient knowledge about safety.
- X. Students by using its knowledge they perform well hygiene work in laboratory.
- XI. Students understand the importance of safety.
- XII. In future when the get job in various chemical, pharma industry they easily apply this knowledge.
- XIII. Students understand how to handle medical and accidental situation.
- XIV. Today environmental issue is very serious situation so they understand how to dispose various chemicals.
- XV. Students also guide to other who work in lab.
- XVI. Students also learn how to use research paper, internet..etc. for safety purpose.

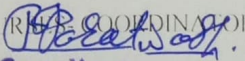
Reference books:

- 1. Prudent Practices in the Laboratory by Natl. Research Council Staff (Editor); Committee on Prudent Practices in the Laboratory
- 2. Bretherick's Handbook of Reactive Chemical Hazards by Peter Urben (Editor)
- 3. Hazardous Chemicals Desk Reference by Richard J. Lewis
- 4. Laboratory Safety for Chemistry Students by Robert H. Hill Jr. (Author), David C. Finster(Author)
- 5. 1st Edition, Chemical Safety in the Laboratory ,By Stephen K. Hall


COURSE COORDINATOR
COORDINATOR

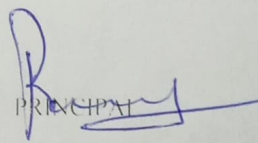

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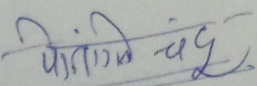

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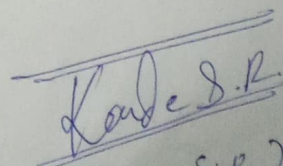

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