Department Safety Committee

- Prof. G. Naresh Patwari (member)
- Prof. M. S. Balakrishna (member)
- Prof. Pradeepkumar P. I. (coordinator)
- Dr. Ravichandran Gopal (Reliance Industries)
- Mr. K.V. Sajith (safety officer, IIT Bombay)
- Mr. Narendra K. (staff in-charge)

Student Safety Coordinators from Each Lab
Every person in the labs should wear safety goggles, lab coats (full sleeve) and feet covering sports shoes.

At the time of performing experiments, the personal is required to wear hand gloves.

Safety goggles, lab oats and shoes are Mandatory
Within a lab and lab to lab
Use tray/ rubber containers

From solvent shed

- If multiple cans need to be carried, trolley should be used.

- While transferring from drums and pouring into cans, students should wear lab coats, hand gloves, goggles and shoes.

- Transfer of toxic solvents such as MeOH, Benzene, THF, pyridine, CH\(_3\)CN etc. should be carried out only inside the fume hood.
Use of Mobile Phones/Laptops

- Use of mobile phone is strictly forbidden while carrying out experiments or during transportation of chemicals/solvents.

- Listening of music with head phones on while doing experiment is also forbidden.

- Loud music should not be played in the lab

- Laptops should not be operated on work benches
  \textit{(Laptop batteries are not fire resistant, and the body is not chemical proof)}
Exit Doors in the Labs

Exit doors of labs are either closed or has little space for movement due to clutter.

- There should be free space near exit doors. Storage of solvents/chemical/filled gas cylinders should be avoided near exits.

- There should be two exit doors for wet labs (3 bay) and both should be kept open during the lab hours.
Fume hoods are neither on nor closed appropriately when reactions/distillations are running.

- Excess storage of chemicals.
- Exhaust slots blocked.
- Containers stored within six inches of face of hood.
Gas Cylinders

- All the cylinders are to be chained inside the lab.

- Trolleys are to be used for transportation of gas cylinders.

- Special care while handling toxic gases (CO, CH$_4$, H$_2$ etc)
Waste Chemicals/Solvents

- Waste solvents need to be segregated (chlorinated and non-chlorinated) and to be stored in separate containers.

- The waste containers are to be kept near or below the wash basin. **No solvent should be poured into the sink.**

- **No chemicals/bottle/syringes/needles/cans/broken glassware** should be discarded on terrace or in front of solvent shed.
Thiols, mercapto ethanol, pyridine, triethyl amine, Selenium/Tellurium compounds etc. have strong unpleasant smells.

Handle them only inside the fume hood (make sure that the hood is on).

All the reactions and solvent distillations should be performed inside the fume hoods.
Every lab should have a student safety coordinator

Any accident irrespective of its nature happened in a particular lab to be immediately informed to the Guide/HOD/members of the safety committee

Details of the accident need to be filled in using online response sheet, which will be made available in departmental website soon
Penalty for Safety Violators

- All penalty will have to be paid to Chemistry Association and no-dues certificate will not be issued for defaulters

- If major safety violations are found the whole lab will be locked
Awareness

- Watch IITB Safety Videos
  (http://www.iitb.ac.in/safety/en)

- Attend safety lectures

- Follow safety rules and make you and others around you safe