

Techniques to be included for hands on training to students (department wise)

S. No.	Title of the Activity / Technique	Name of the organising Department	Number of Beneficiaries
1	<p>Workshop-The Online Hands-on Learning for Basic Tools & Applications of Drug Designing. /</p> <p><i>Techniques used: Computational tools for drug designing; Molecular docking</i></p> <p>By Mr. Anurag Singh,AVASTAMBH</p>	Department of Chemistry	60
2	<p>Workshop- Anthelia - A range of Eco Friendly startup</p> <p>products for sustainable development. /</p> <p><i>Techniques used: Saponification; Refluxing; Soap moulding</i></p> <p>By Dr. Vaishali Mishra and Ms. Madhupreet</p>	Department of Chemistry	30
3	<p>Workshop-'From Herbs to Health'./</p> <p><i>Techniques used: Solvent extraction; Centrifugation; Vacuum distillation; Chromatography; Spectroscopy</i></p> <p>By Dr. Jigni Mishra</p>	Department of Chemistry	30
4	<p>Electrical and network techniques like soldering, welding, trouble shooting, debugging, wiring were taught to students.</p>	Department of Physics	100

5	Embedded systems incorporating applications of microcontrollers and microprocessors for designing and development of real time applications for temperature sensing, humidity sensing.	Department of Physics	11
6	To observed the diversity of Zooplanktons and Phytoplanktons in water samples collected from different sites of Delhi and outside Delhi (U.P and Haryana)	Department of Zoology	30
7	How to make scientific research posters for paper presentations.	Department of Zoology	28
8	How to write a Scientific Research Paper.	Department of Zoology	28
9	Study of the life cycle of the phytophagous insect pest, tobacco caterpillar, <i>Spodoptera litura</i> (Fab.) and the assessment of damage caused to plants.	Department of Zoology	26

organizing
"The Online Hands-on Learning for Basic Tools & Applications of Drug Designing"
22 & 23 of July 2022
at 9:00 PM IST, Zoom Meeting Media

- Is homology modelling template dependent or template independent method?
- How many steps are there in 3D structure prediction?
- Name 2 tools and 2 software(s) used to model protein structures.
- Write the full form of - EXPASY
- Which software utilizes "Images Super Model"?
- Name a server used for 3D protein model validation.
- Name a freely available ACD/soft.
- List all the sites mentioned by Lipinski in his Rule of five.
- Name a server for checking drug-likeness.
- What do you understand by the term "Scoring Function"?
- Name all the steps of *in silico* drug design pipeline.

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