

## Development Activities

- **Research Laboratories**
- **Product Development**
- **Working Models/ Charts/ Monograms etc.**
- **Instructional Materials**

Year	Research Laboratories	Product Development	Working Models/ Charts/ Monograms etc.	Instructional Materials
2020-21	Emerging as Centre of Excellence in Carbon Capture and Utilization	<ul style="list-style-type: none"> <li>▪ Ultra Low Temperature CO<sub>2</sub></li> <li>▪ Stripping/ Carbon-rich</li> <li>▪ Solvent Regeneration Process</li> <li>▪ Megasonics-assisted Carbon-rich Solvent Regeneration</li> </ul>	Yes	Yes
2019-20	<ul style="list-style-type: none"> <li>▪ Electrochemical Sensor Lab</li> <li>▪ Centre of Excellence in Water Research (CEWAR)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Electrochemical Sensor for the measurement of antibiotics in water</li> <li>▪ Biochar for environmental applications</li> <li>▪ Flotation system for the removal of pollutants</li> <li>▪ Electrodeionization for the removal of toxic pollutants</li> <li>▪ Biosurfactants for toxic pollutant removal</li> <li>▪ Photocatalyst for toxic pollutant removal</li> <li>▪ Pilot scale wastewater treatment units for TOC removal</li> </ul>	Yes	Yes
2018-19	Green Solvent Lab	<ul style="list-style-type: none"> <li>▪ Process Esters</li> <li>▪ Green biodiesel</li> </ul>	Yes	Yes
2017-18	Solvent Development for Clean Technology	<ul style="list-style-type: none"> <li>▪ CO<sub>2</sub> capture using ionic liquids</li> <li>▪ Separation of azeotropic mixtures</li> </ul>	Yes	Yes