

2019-21 Batch

Student ID	Student Name	Project Title	Guide
19MCH001	Abhishek Kagalkar	PCM based low temperature thermal management applications	Dr. Rajat Saxena
19MCH002	Aishwarya Mathur	Mixed matrix membranes for CO ₂ separation from Gaseous mixtures	Dr. Surendra Sasikumar Jampa
19MCH003	Garima Hirekar	Computational fluid dynamics study of multi-phase flow in a colloid system.	Dr. Abhishek Yadav
19MCH004	Sairam Kashyap	Implementation of Gain Scheduling Control for Chemical Processes	Dr. Abhishek Yadav
19MCH005	Jayant Patil	Development of synthetic polymer-fly ash composites	Dr. Dadi suriapparao
19MCH006	Mandar Mehta	Catalytic Dehydrogenation of Methanol to DME - Experimental and Simulation Studies	Dr Ashish Unnarkat
19MCH007	Megh Sanghani	Energy-Efficient Carbon Dioxide Separation Using Ionic liquids	Dr. Swapnil Dharaskar
19MCH008	Nautam Parasana	Development of low cost nano material for Phosphorus Removal and Recovery	Dr Ashish Unnarkat
19MCH009	Parth Marakana	Synthesis and Characterization of Functionalized Nanocellulose and its Potential Application in Water Treatment	Dr Anirban Dey
19MCH010	Nirav Prajapati	Comparison of optimization techniques for biodiesel production using the microwave-assisted method	Dr Pravin Kodgire
19MCH011	Ravi Vaghasiya	Use of graphene oxide-based material in modification of polysulfone membrane and its application in wastewater treatment.	Mrs. Bharti Saini
19MCH012	Siddhant Gohil	Molecular Dynamics Simulation Studies of Charged Polyelectrolytes in Aqueous Solution	Dr. Abhishek Kumar Gupta
19MCH013	Sneh Patel	Techno Economic Analysis of Geothermal Solar Hybrid Desalination System	Dr. Manan Shah
19MCH014	Sooraj S V	Synthesis of hybrid composites using biomass and synthetic plastics	Dr. Dadi suriapparao

19MCH015	Suhana Shaikh	Improving Technique of Thermal Cycling Test for Phase Change Materials	Ms. Sweta C Balchandani
19MCH016	Surya Pattnaik	Synthesis and characterization of functionalized Graphene Oxide and its application for the modification of polymeric membrane	Dr. Manish Kumar Sinha
19MCH017	Suvik Oza	Comparison of Optimization Techniques for Biodiesel Production Using Ultrasound Method	Dr Pravin Kodgire
19MCH018	Yashvi Sheth	Novel nanomaterials based hybrid adsorbent for the selective uptake of heavy metal ions	Dr. Swapnil Dharaskar
19MCH019	Hamzah Abdul Menem	Utilization of Nano-Enhanced phase change materials for energy efficient water heating system	Dr. Rajat Saxena
19MCH020	Hosam Kashaea	Ionic liquid supported membranes for CO ₂ separation	Dr. Surendra Sasikumar Jampa
19MCH021	Alaa Zakaria	Synthesis of lignin-based hydrogel for water treatment	Dr. Manish Kumar Sinha