


Faculty Profile

Name of Faculty : Mrs.Poonam Ramchandra Mandale		
Designation : Assistant Professor		
Qualification : PH.D Registered (Bharati Vidyapeeth University College of Engineering, Pune)		
Specialization : Chemical Engineering		
Official Email ID: PoonamMandale.dypcet@dypgroup.edu.in		
Memberships	Nil	
Courses Taught	<ul style="list-style-type: none"> • Chemical Engineering Thermodynamics I • Chemical Engineering Thermodynamics II • Industrial Economics Management & Entrepreneurship • Project Management & Smart Technology • Advance Manufacturing Process 	
Roles and Responsibilities	<ul style="list-style-type: none"> • Elective In charge • Result Analysis Committee • Mini Project In charge • Criterion 4 Coordinator • Hobby Club coordinator • Higher Education Club coordinator • Self Learning Committee coordinator • Students Welfare Committee coordinator • Institute's Innovation Council coordinator • Value added course activity coordinator 	
Research Contribution	<ol style="list-style-type: none"> 1. Patent granted on A System For Degradation Of Rhodamine B Dye Solution In Wastewater By Indian Patent Office on dated 9th August 2023. 2. Patent published on Eco-friendly synthesis of 	

	<p>nobel metal nanoparticles using plant extract By Indian Patent Office on dated 24th November 2023.</p> <ol style="list-style-type: none"> 3. Adsorption of malachite green dye from aqueous solution on bioadsorbent as low-cost adsorbent in Materials Proceedings Today, Elsevier Journal. Published Year January 2024. 4. Comparative Evaluation of Malachite Green Dye Adsorption Using Adsorbents: Review in Journal of Emerging Technologies. Journal of Emerging Technologies and Innovative Research. Published December 2023. 5. Removal of Rhodamine B dyes using Tricoderma viride biofertilizer as low cost adsorbent, Asian Journal of Chemistry. Year 2019. 6. Participated in 2nd International Conference on Advances in Water Treatment and Management (ICAWTM-23) By Pandit Deendayal Energy University (PDEU), Gandhinagar, Gujarat, India 11-12 March 2023
<p>FDP/Workshop Attended</p>	<ol style="list-style-type: none"> 1. 12 week Faculty Development program on Hydrogen Energy: Production, Storage, Transportation and Safety from July to October 2023 by IIT Bombay, Got Elite certificate 2. 12 week Faculty Development program on Aspen Plus simulation software a basic course for beginners from July to October 2022 by IIT Guwahati. 3. 12 week workshop on Chemical Process Safety from July to October 2022 by IIT Roorkee. Got Elite certificate 4. 12 week workshop on Chemical Engineering Thermodynamics from July to October 2021 by IIT Kanpur. 5. One week Faculty Development Program on AI in education: Adaptive Learning & Personalization By Dr.D.Y.Patil Institute of Engineering, Management & Reseach from 18th to 22nd December 2023. 6. "ISTE approved One Week Faculty Development

	<p>Program on Sustainable Manufacturing Management” by DYPIEMR FROM 11th to 15th July 2022.</p> <ol style="list-style-type: none">7. Five Days online workshop on “Environment, Energy, Health-Current Research & Social Responsibilities” by BVDU Mumbai, on 25th April to 29th April, 2022.8. National One Week Faculty Development Programme on ICT Tools for Effective Teaching and Learning, from 23rd May 2022 to 28th May 2022 by Kamala Nehru Mahavidyalaya, Nagpur9. One week International faculty development program on Energy and Environment science, Technology and Management for Sustainable Development By D. Y. Patil Institute of Technology Pimpri, Pune. From 20th to 25th May 2021.10. One week National Level Faculty Development Program on Innovation in Teaching, Research and Challenges in Accreditation process for Higher Educational Institutions”(ITRCA) by St. Peter’s Engineering college Hyderabad from 17th May to 22th May 2021.11. Workshop on “Frontiers in Sustainable Chemical Processes (FSCP-2021) By National Institute of Technology Hamirpur from 1st February to 5th February 2021.12. Workshop on Research Paper and Thesis Writing by MIT World Peace University, Pune on 30th July 2022.
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