



## Department of Chemical Engineering

Institute of Engineering & Science

IPS Academy, Indore (M.P.)

Rajendra Nagar, A.B. Road, Indore 452012.

E-mail: hod.chemical@ipsacademy.org. Ph. 0731-4014606

### List of major project work of UG student batch 2012

S. No.	Group of Students	Project Guide	Title
1	Janhvi Gokhale, Parag Agrawal, Sachin Paradkar, Umesh Banker	Prof. S. Tripathi, Mr. V. Rathore	Treatment of Industrial Waste Water by Moringa oleifera: A Natural Coagulant
2	Sonu Tiwari, Shashank Yadav	Prof. S. Tripathi	Composting of Bio Degradable of Solid Waste
3	Anchal Soni, Sandeep Jain	Prof. S. Tripathi, Mr. Z. Khan	Modeling & Simulation of Non Isothermal Plug flow reactor using computational Fluid Dynamic
4	Basant Jain, Hemant Rahangdale, Nasreen Shaikh, Ruchi Gupta, Shabber Mansoori, Shantanu Parmar	Prof. R Kaushal	Protein Enrichment from Sugarcane Bagasse Utilization of Agro Based Residue
5	Ankur Rajguru, Jayesh Chandwani, Shobhit Ninoria	Mr. V. Rathore, Mr. P. Badodia	Conversion of used motor oil into fuel
6	Anchal Papdiwal, Ankit Patidar, Himanshu Agrawal, Prateek Sharma, Vaibhav Tare, Rovab Ali, Devendra Solanki	Mrs. S. Singh, Mr. R. Patidar	Production of Biodegradable Plastic (PLA) from Molasses
7	Akshay Kabra, Ashish Choudhary, Rajesh Prajapat	Mr. D. S. Songera, Mr. D. Sharma	Electricity Generation in Microbial Fuel Cell by Decomposition of Organic Slurry by E- Coli
8	Abhideep Singhi, Akash Jain	Mr. D. S. Songera, Mr. D. Sharma	Removal of Arsenic from Waste Water
9	Ashish Maheswari, Dilip Rodle, Kanhaiyala Bhaayal, Mahendra K. Jatav, Veer Singh	Mr. Z. Khan, Ms. A. Tripathi	Modeling & Simulation of Helical Tube Reactor using Computational Fluid Dynamics
10	Gaurav Rajput, Hussain Najmee, Kulkant Solanki, Maviya Ahmed, Nitesh Gehlod, Pallav Vyas, Rupesh Mandloi, Sudhesh Badkul Jain	Ms. D. Dixit, Mr. V. Vishwakarma	Decentralized Sewage Water Treatment



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S. No.	Group of Students	Project Guide	Title
1	Ashutosh Nag, Manish Kumar Agrawal, Pooja Badjatya, Sandeep Singh Chouhan	Prof. R. Kaushal	Removal of Heavy Metal from Industrial Waste using Low Cost Adsorbent
2	Sankalp Selot, Kratik Agrawal, Shivanshu Kakirde, Vijay Pratap Singh, Samarth Solanki	Prof. R. Kaushal, Ms. P. Malhotra	Removal of Caffeine From Tea Leaves
3	Arpit Jain, Anubha Agrawal, Pallavi Porwal, Praveen Kumar, Anurag Jain	Mr. N. Parmar	Conversion of Waste Rubber Tyre in to Activated Carbon
4	Arpit Tiwari, Kunal Dang, Pradhyuman Solunia, Sameer Shekh	Mr. N. Parmar	Removal of Cadmium and Zinc Waste Water using Erythrina Variegata Oriental leaf as Adsorbent
5	Surbhi Sahu, Siddharth Gandhi, Ravi Soni	Mrs. S. Singh	Single Chamber Microbial Fuel.
6	Ankur Tiwari, Arpit Mathur, Mani Bairisal, Neha Baheti	Mrs. S. Singh	Ethanol Production using Kitchen Waste
7	Anupriya Gokhe, Ashok Dhakad, Ankit Ajmeri, Supriya Pawar	Mr. V. Vishwakarma	Manufacturing Process of Sugar Sugarcane
8	Ankit Choudhary, Ashish Jain, Ishita Bharti, Nikhil Sharma	Mrs. C. Rekhate, Mr. D. S. Songera	Study of Double Chamber Microbial Fuel Cell
9	Aadil Nesar, Dhiren Shah, Mohit Arora, Yash Shah	Mrs. C. Rekhate, Mr. D. S. Songera	Determination of Better Solvent for Extracting Steviol Glycosides Present in Stevia Leaves
10	Deepti Dubey, Devram Adaniya, Harsha Wagh, Rahul Arsey, Sulabh Jain	Mr. R. Patidar	Cellulosic Ethanol Production from Carrot Weed
11	Manishanker Mishra, Raghvendra Gupta, Ravi Sharma, Varitka Parihar	Mr. D. Sharma	Treatment of Dairy Waste Water by Electro Coagulation
12	Ankit Patel, Devendra Choyal, Govind Ram Patidar, Rahul Bharagava	Mr. D. Sharma	Treatment of Dairy Waste Water by Chemical Coagulation

13	Mohamed Fahad Mansuri, Pavan Patidar	Mr. D. Sharma	Electrostatic Decontamination of Oil
14	Hamza Mansuri, Manoj Khamankar, Parag Agrawal, Shruti Shrivastava	Ms. D. Dixit	Bio-Diesel Production using Waste Cooking Oil.
15	Harsh Samariya, Mritunjay Singh Tomar	Mr. Z. Khan	Freeze Drying Banana to Reduce the Transportation Cost
16	Monika Dubey, Pragati Soni, Rajan Shukla	Mr. Z. Khan	Scrubbing of CO <sub>2</sub> from Polluted Gas using Photo bio Reactor
17	Joseph V Kurian, Nishant Koshti	Mr. Z. Khan	Production of Ethanol by Fermentation of Fruit Waste



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### List of major project work of UG student batch 2014

S. No.	Name of Students	Project Guide	Topic
1	Chirag Solanki, Gaurav Rai, Jajdeep Patel, Manoj Udasi, Taha latthawala	Prof. R. Kaushal	Treatment of Industrial Waste Water by Low Cost Adsorbent
2	Achyut Krishna Patidar, Ankita Patel, G. Vankat, Paritosh Trivedi,	Mr. N. Parmar	Micro Bubble Generations and its Application in Treatment of Waste Water
3	Anki Kumar, Gaurav Pandey, Kunal More, Pooja Jain, Shivendra Mishra	Mr. N. Parmar	Electro Coagulations Waste Water Treatment Process
4	Ankit Ghiya, Mitali Gangrade, Pankaj Namdev, Rohit Dangi, Yash Garg	Mrs. S. Singh	Comparison of Potential Difference with Graphite & Copper Electrodes in Single Chamber Microbial Fuel Cell
5	Anupam Sharma, Mayank Gupta, Naveen Jawre, Rohit Parihar	Mr. D. S. Songera	Comparative Study of Microbial Fuel Cell
6	Akshay Kumbhare, Mukesh Mukul, Sachin Patidar	Mr. D. S. Songera	Fabrication of Dye Sensitized Solar Cell using TiO <sub>2</sub> Nano Particles
7	Akhilesh Sharma, Mahendra Patel, Manjeet Mishra, Palash Agrawal	Mr. V. Vishwakarma	Softening Hard Water using Adsorption Isotherm Mechanism
8	Mitali Sharma, Rambilas Dhakad, Ravishankar, Rounk Choudhary	Mr. V. Vishwakarma	Production of Lignocellosic Ethanol from Agriculture Residue
9	Anchit Agrawal, Subhash Malviya, Bhavditya Sisodiya, Ravi Mandloi, Sameer Phatak, Rahul Patil	Mr. D. Sharma	Treatment of Distillery Waste Water by Catalytic Thermolysis
10	Arpita Gupta, Jafir Khan, Praful Kadwal, Raj Kumar Lodhi, Yogesh Mahajan	Mr. Z. Khan	Production of Bio- Ethanol by Fermentation of Fruit Waste
11	Jain Jose, Laxman Patidar, Pankaj Upadhayay, Shweta Singh, Umesh Patel	Ms. P. Malhotra	Equilibrium Study of Reactive Extraction of Citric Acid Using Tri-octyl-amine in Sunflower Oil
12	Akshay Asodkar, Ankit Soni, Lokesh Meshram	Mrs. C. Rekhate	Production of Bio- Diesel from Waste Vegetable Oil

13	Meghna Kharche, Piyush Mishra, Kapil Patidar	Mr. S. Warwade	Production of Bio- Diesel from Waste Vegetable Oil
14	Neeraj Verma, Nitesh Dobel, Sachin Nath	Mr. A. Tripathi	Fabrication of Dey Sensitized Cell (DSSC) Using TiO <sub>2</sub> Nan Particles