

Dheeraj Tyagi

M.Tech

Department of Chemical Engineering

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EDUCATIONAL BACKGROUND

| SESSION | QUALIFICATION | COLLEGE/INSTITUTE | RESULT |
|-----------|-----------------------------------|---|---------|
| 2014-2016 | M. Tech (Chemical Engineering) | IIT, Gandhinagar | 8.42/10 |
| 2010-2014 | B. Tech (Chemical Engineering) | Meerut institute of Engineering & Technology Meerut.(MIET) | 80.92% |
| 2009 | Intermediate | JP Academy, Meerut, (CBSE) | 77.4% |
| 2007 | High school | JP Academy, Meerut, (CBSE) | 82.8% |

PROJECTS:

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| 2015-2016 (M.Tech Thesis) | Comparative Study of Interpolating Functions in CVP based Optimal Control Solutions of Fed-Batch Reactors |
| March-May 2015 | Application of Particles swarm optimization (PSO) for single objective Optimization in Chemical engineering problems. |
| 2013-14 (B.Tech final year project) | A study of production of Ammonium Nitrate Prills (2000TPD) under the supervision of Dr. Niharika Verma. |

PUBLICATIONS

- Tyagi, D., Patel, N., Padhiyar, N., 2016 Comparative Study of Interpolating Functions in CVP: Application to Ethanol Production in a Fed-Batch Reactor, *8th International Conference on Evolutionary Computation Theory and Applications, ECTA, 2016 Porto Portugal*, Accepted.
- Tyagi, D., Patel, N., Padhiyar, N., 2016 Comparative Study of Interpolating Functions in CVP based Optimal Control Solutions of Fed-Batch Reactors, *Journal of Process Control*, submitted.
- Patel, Narendra; Tyagi, Dheeraj and Padhiyar, Nitin, "Multi-objective optimization for productivity and yield maximization in fed-batch reactor", in the *68th Annual Session of Indian Institute of Chemical Engineers, (CHEMCON 2015)*, Indian Institute of Technology Guwahati, IN, Dec. 27-30, 2015.

TRAINING EXPERIENCE

- Undergone vocational training from 20/06/2013 to 25/07/13 at Rakesh Chemicals (P) Limited, Dehradun Road, Saharanpur (UP). Field Of Study-Production of Calcium Carbonate.

SKILL SUMMARY

- Matlab, Scilab, SPSS Software, ChemCad, C Language, MS-Office, Optimization solvers like GA, Fmincon, studied a minor in data analytics in year 2014 at IIT, Gandhinagar

AWARDS AND ACHIEVEMENTS

- Got Certificate of Merit by securing 2nd rank (semester exam) in college in the session 2011-2012.
- Secured AIR 2124, 2285 in GATE-16, 14 in Chemical Engineering Discipline.
- Won 2nd Prize in finals of Inter College Quiz competition organized by Uttar Pradesh technical university held on 4th May, 2013.
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EXTRA-CURRICULAR ACTIVITIES

- Got excellence Grade B in IYWC India Program organized by UNDDD (A United Nation Organization).
- Participated in International Workshop on Fire on Safety, (August, 2014) held at IIT, Gandhinagar.
- Participated in Brain Quest Inter College quiz held in 2011 at Vidya Knowledge Park, Meerut.