

Mr. CHETAN SANJAY PAGARE

Executive R & D

M. Tech (Chemical Engineer)

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OBJECTIVE

I am seeking a competitive and challenging environment where I can serve your organization and establish an enjoyable career for myself.

WORK EXPERIENCE

- **August 2017 to till present:**
Executive R & D, Standard Greases & Specialities Pvt. Ltd. Silvassa, (D&NH)

Responsibilities:-

1. Executing different operations or testing according to SOP and safety rules.
2. Conducting different formulations of greases for different purposes.
3. Testing of grease and oil samples as per ASTM and IP methods for evaluating their properties.
4. Conducting scale up operations for production of novel greases from lab scale to pilot scale, pilot scale to commercial production.
5. Research work on novel lubricants (Literature survey and experiments).
6. Executing lab as well as plant operations.

Expertise:-

1. Testing of different types of greases, oils and oil blends according to various ASTM and IP methods such as penetration test, dropping point, viscosity test...etc.
 2. In making of Lithium base greases, Lithium-Complex Greases, Polyurea greases...etc
 3. Handling of hazardous chemicals such as Cyanates, Amine and Acids.
 4. Handling of non hazardous chemicals such fatty acids, polymers...etc.
 5. Execution of lab, pilot and commercial batches.
- **Jan 2015 to June 2016:**
Teaching Assistant, Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad (MH).

Responsibilities:

1. Preparation of study material for subject Advanced Petroleum Refining for final year students.
2. Classroom teaching and conducting examination on above mentioned subject.
3. Making of question paper and answer sheets for unit tests, semester end exams and remedial exams.

4. Checking answer sheets and declaration of results on university websites.
5. Lab instructor for two practical subjects (Petrochemical Engineering Lab 1 and 2).
6. Teaching different experiments, to third year and final year students, related to testing of different petrochemicals.
7. Conducting practical lab examinations like viva-voce and journal submission.
8. Uploading attendance and practical lab results on university websites.

EDUCATIONAL QUALIFICATIONS

Course	University/Board	Year	Percentage
M. Tech (Chemical Engineering)	Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad Maharashtra	2014-2016	80 %
B. Tech (Petrochemical Engineering)	Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad Maharashtra	2009-2013	68.3 %
H S C (Science)	Maharashtra State Board, Nasik Maharashtra	2009	81 %
S S C	Maharashtra State Board, Nasik Maharashtra	2007	84 %

ACADEMIC PROJECT

M. Tech Project: Simulation and optimization of divided wall Distillation column

Details: The product quality and energy efficiency of DWC is affected by a number of process parameters, such as reflux rate, liquid split and vapour split. In this study, the process parameter optimization was carried out by using ASPEN PLUS software was used to maximize the product purities, and to minimize the reboiler duty. The process variables were found to have significant effect on the energy efficiency of a DWC.

Duration: 1 July 2015 to 31 July 2016.

B Tech Project: Heat transfer enhancement

Details: Pin inserts are used for the heat transfer enhancement, along with the increase in the heat transfer rate, the pressure drop also increases. Therefore any augmentation device should optimize between the benefits due to the increased heat transfer coefficient and the higher cost involved because of the increased frictional losses. In which various techniques for heat transfer and augmentation are involved.

Duration: 1st July 2012 to 28th May 2013.

INDUSTRIAL TRAINING

June 2012 **Excel Industries Ltd., Lote-Parshuram, Chiplun (MH)**

Period: 08th June to 08th July 2012 (30 day).

Project: Effluent treatment and waste management.

SCHOLASTIC ACHIEVEMENTS

Sept. 2017	Attended the 19 th Grease Education Course at Chittorgarh by NLGI-India Chapter .
May 2016	Certified in workshop of “Application of process simulators in Chemical & Bioprocess Engineering 2016” by NIT, Warangal .
Feb 2016	Certified in workshop of unit operation and unit process by RCF Ltd., Chembur .
Feb 2014	GATE exam Qualified chemical engineering 2014 (All India Rank-1480, Score-445).

TECHNICAL SKILLS AND ABILITIES

Computer skills: Microsoft office (Word, PowerPoint, Excel), ASPEN Simulation.

Area of Interest: Reaction Engineering, Novel Grease Making, Divided wall Distillation.

INTERESTS AND ACTIVITIES

March 2015	Participated in Industry defined problem event in “ CYNOSURE’15 ” at Dr. B.A.T.U, Lonere.
April 2012	Participated in Quiz Competition event in “ SYNERGOS 2k12 ” at Dr. B.A.T.U, Lonere.

PERSONAL PROFILE

Father’s Name	: Mr. Sanjay Baliram Pagare
Gender	: Male
Date of birth	: 08/12/1991
Languages Known	: Marathi, Hindi and English.
Hobbies	: Cooking, Travelling and playing badminton
Passport Number	: Z5457252
Permanent Address	: 46, Nagare Nagar, Sakri, Tal. - Sakri, Dist. - Dhule (MH) – 424304.

DECLARATION:

I hereby declare that the above particulars furnished by me are true to the best of my knowledge and belief.

Date: / /

Place: _____

(Chetan Sanjay Pagare)