


## Vikas Kardam

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**Birth-Date:** 22<sup>nd</sup> JULY 1992

### ***Educational Qualifications***

<b>Examination</b>	<b>Institution</b>	<b>Board/Univ ersity</b>	<b>%Marks /C.G.P.A</b>
<b>S.S.C</b> (2007)	Vanasthali Public School, New Delhi	C.B.S.E.	63.6%
<b>H.S.C</b> (2009)	Bharti Public School, New Delhi	C.B.S.E.	76.2%
<b>B.Tech.(Chemical)</b> (2013)	University School of Chemical Technology, Delhi	G.G.S.I.P.U	65.68%
<b>M. Chem. Engg</b> (2015)	Institute of Chemical Technology, Mumbai (formerly U.D.C.T)	ICT Mumbai	68.4%

### ***In-Plant Training***

18<sup>nd</sup> June -27<sup>th</sup> July 2012: Chilworth Technology (Pvt.) Ltd. Delhi - Fire water requirement for Effluent Treatment Plant, routing of pipeline network and hydrant system.

### ***B.Tech. Final Year Project:***

Feasibility report on production of Methanol.

### ***M. Chem. Eng. Research Topic:***

Application of liquid-liquid extraction for pharmaceutical wastewater treatment.  
(Research Supervisor: Prof. V. K. Rathod)

### ***Work Experience:***

9<sup>th</sup> November 2015- 31<sup>st</sup> March 2017

Organisation's name:-DBT-ICT Centre for Energy Biosciences, Mumbai-19\*.

**Name of the Project Handled:** 2<sup>nd</sup> and 3<sup>rd</sup> Generation Biofuel.

**Designation:** - Project Engineer

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## **Responsibilities Handled**

- Scale up and technology transfer.
- Overall project handling and commissioning.
- Recommend and implement process improvement in a current plant.
- Coordinated with the research team to make the process more efficient for product development.
- Coordinated with external agencies like supplier, the project contractor, and fabricators.
- Contributed to plant process layout design.
- Involve in building the small scale model of the actual processing facilities for research purpose.
- Experimental data optimization and analytics
- Oversees the maintenance, equipment installment and piping in a plant.
- Detailed designing of the reactor.

***Areas of Interest:*** Production; Project Management; Process Development; Research and Development; Mathematical modelling and simulation.

***Computer Knowledge:*** Autocad, Autocad Inventor (3-D drawing), Aspen, MS Word, Excel, Power Point, MATLAB

***Language Skills:*** English, Hindi, Marathi

***Interests and Hobbies:*** Reading newspaper, basic science, mathematics.

***\*Please refer Annexure 1 for more information***

## Annexure 1

\*DBT-ICT-CEB is a unique place for integrated research in biological sciences funded by The Department of Biotechnology, Ministry of Science and Technology, India. The Centre is focused primarily on developing biotechnologies for deriving energy from renewable resources for reducing India's rising dependence on petroleum fuels and cut down greenhouse gas emissions.

### *Additional Qualifications*

#### *Workshops and Crash courses*

**4<sup>th</sup> -5<sup>th</sup> Nov 2015:** Attended 2 day workshop on “*Process Simulator of Sulphuric Acid Plant*” which was conducted by RCF Ltd. Chembur.

**18<sup>th</sup> Jan-24<sup>th</sup> Apr 2016:** Successfully completed NPTEL online course on “*Computational Fluid Dynamics*” which was organized by *IIT Madras* and the lectures were conducted by Dr. Sreenivas Jayanti.

**25<sup>th</sup>-26<sup>th</sup> Feb 2017:** Attended workshop on “*Basics of Matlab*” organized by The Chemical Web at Institute of Chemical Technology, Mumbai.

**18<sup>th</sup> Jan-24<sup>th</sup> Mar 2017:** Successfully completed NPTEL online course with elite certificate on “*MATLAB Programming for Numerical Computation*” which was organized by *IIT Madras* and the lectures were conducted by Dr. Niket Kaisare.