# Devdatta Krishna Deshpande

## Process Engineer

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#### Date of birth 1986-01-06

Multitasking Process Engineer with 10 year plus experience. Knowledgeable about broad spectrum of chemical plant design.

### Experience

**2007-08 present**

**Process Engineer**

*PRAJ Industries Limited*

**Process Engineering**

Design of Alcohol Plant Like

* Aura Polaska Zoo, Poland -200 KLPD Pharma grade alcohol Plant
* KSL Green innovation, Thailand -250 KLPD Absolute alcohol Plant
* Kothari Sugar, India -65 KLPD Beverage grade alcohol Plant
* Brugal Rum - Dominican Republic -40 KLPD Rum grade alcohol Plant  and many More,

**Basic Activities :**

• Preparation of Mass & Energy Balance.

• Design of equipment like Hygienic  Fermenters, Tanks, Distillation columns, Reboiler, Condensers, coolers, Evaporators, Pump etc

• Preparation of Process flow diagram.

• Process simulation on packages like ChemCad, HTRI, Aspen etc

• Preparation of Process data sheet for equipment manufacturing.

• Preparation of Equipment layout and elevation drawings.

• Preparation of Piping and Instrumentation (P& I) diagrams.

• Preparation of Control logic, loop diagrams and interlock safety logic.

• Preparation of Motor List

• Vendor evaluation and finalization of equipment like

• Start-up, commissioning and troubleshooting of ethanol plant

**Technology Development**

* Develop and filed patent on **PRODUCTION OF ETHANOL PRODUCTS**   (International Application No.: PCT/IN2013/000724)
* Develop and filed patent on **EVAPORATIVE DISTILLATION** (International Application No. PCT/IN2014/000448)
* Design and Development of various types of distillation trays like tunnel trays and Bubblecap

**Basic Activities:**

* Technology Audit
* Technology absorption
* Lab trials
* Demo Plant trials and Design
* Preparation of Process design package
* Simulation for validation of various technologies n packages like chemcad,& HTRI

### Education

**2004-05 to  2007-05**

**Pune University**

Bachelor degree in chemical engineering -First class with distinction

### Skills

**Process Simulation Package -Chemcad**

**Process Simulation Package - HTRI**

**Process Simulation Package - ASPEN**

**Microsoft Excel**

### Personal Information

***Name:***  Devdatta Krishna Deshpande

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***Date of Birth:*** 6th Jan 1986

***Marital Status*** Married

***Languages known:*** English, Hindi, Marathi.

***Nationality:***  Indian.

***Sex:***  Male

***Interests***  Swimming, Music