

# Swambabu Varanasi

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Assistant Professor  
Department of Chemical Engineering  
Indian Institute of Technology Kharagpur

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## Education

### **Monash University, Melbourne, Australia**

- **Ph.D. in Chemical Engineering** (May 2011 – March 2014). Thesis: “Eco-friendly Cellulose nanofibre membranes”

### **Indian Institute of Technology, New Delhi, India**

- **M.Tech. in Process Engineering and Design** (2004-2006) Thesis: “Fugitive Dust Collection using Uniflow Cyclone separator”

### **Andhra University, Visakhapatnam, India**

- **B. Tech. in Chemical Engineering** (2000-2004)

## Experience

### **India Institute of Petroleum and Energy, India**

- **Assistant Professor** from February 2018 to June 2020.

### **Monash University, Clayton, Melbourne, Australia**

- **Research fellow** with Dr. Warren Batchelor and Prof. Gil Garnier
- Taught **Control of Processes and Quality** (CHE5295) and part of **Biomass and Bio refineries** (CHE5882) courses
- Developed two new lab experiments for Biomass and Bio refineries course and two new experiments for Control of Processes and Quality course.
- Tutored and demonstrated following courses as a sessional Teaching Associate:
  - CHE2162 Material and Energy Balance
  - CHE3161 Chemistry and Chemical Thermodynamics
  - CHE3165 Separation Processes
  - CHE3175 sustainable process engineering case studies

### **Sastra University, India**

- **Assistant Professor** from 2007-2011.

### **IBM India Private Limited**

- Application programmer from 2006 - 2007