

**Irwin Osmond Toppo**  
**Assistant Professor (MAE)**  
**Joined GBPEC in 2016**

### **ACADEMIA**

**Master of Engineering , Mechanical, 2013**

Indian Institute of Science (IISc) Bangalore

**Bachelor of Technology , Mechanical ,2007**

Muzaffarpur Institute of Technology , Muzaffarpur, Bihar

### **Experience :**

⑩ Worked as Assistant professor in Department of Energy Engineering , **Central University of Jharkhand** from Jan-2015 to Dec-2015.

⑩ Worked as System Design Engineer in Department of Mechanical Auxillary (Power Plant) , PS-PEM , Noida (**BHARAT HEAVY ELECTRICAL Ltd**) from February 2008 to July-2011.

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### **Technical Skills**

- **High Level Languages** : C
- **Design software** : Auto-CAD, Gambit
- **Analysis Based Software** : ANSYS
- **Operating Systems** : MS-Windows 98 /XP, Windows 7 , Linux
- **Software Tools** : MS Office 2007, MATLAB.

### **Training and Short Term Courses**

- Vocational training in Heavy Engineering Corporation (HEC) Ranchi.
- Training at National Power Training Institute (NPTI), Faridabad (2008)
- Several seminars on Power Plant (2008-2011) (BHEL)

### **Area of Research**

- ⑩ Power Plant

- ⑩ Fluid Mechanics & Heat Transfer
- ⑩ Computational Fluid Dynamics
- ⑩ Convective heat transfer

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