

## Faculty profile



**Name:** Dr. Pravat Ranjan Pati

**Designation:** Assistant Professor

**Teaching Areas:** Thermodynamics, Fluid mechanics and Hydraulic Machines, Heat Transfer, Refrigeration and Air-conditioning

**Area of research:** Plasma Spray Coatings, Polymer Composites, Tribology, Surface Engineering and Thermal science

### **Education:**

- Ph.D. in Mechanical Engineering, NIT, Rourkela, 2015
- M.Tech in Mechanical (Thermal) Engineering, SOA University, ITER, Bhubaneswar, 2011
- B.Tech in Mechanical Engineering, Biju Patnaik University of Technology, Odisha, 2008

### **Professional Experience:**

- 2015- Till date: Assistant Professor, FST, IFHE (Deemed University), Hyderabad.
- 2008 -2011: Assistant professor at ABIT, BPUT, Odisha

### **Research Publications:**

No. of international journals: 05

No. of international conferences: 09

### **International Journals**

- **Pravat Ranjan Pati** and Alok Satapathy, “Development of wear resistant coatings using LD slag premixed with  $Al_2O_3$ ”, *Journal of Material Cycles and Waste Management*, 17(1), 135- 143, 2015.
- **Pravat Ranjan Pati** and Alok Satapathy, “Triboperformance Analysis of Coatings of LD slag premixed with  $TiO_2$  Using Experimental Design and ANN”, *Tribology Transactions*, 58, 349-356, 2015.