

**Name: Dr. Akshay V. Joshi**

Designation: Assistant Professor

**Contact Details:**

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**Educational Qualification:**

- Ph.D. (Engineering), Jadavpur University, Kolkata
- M. E. (Printing Engineering), Pune University
- B. E. (Printing Engineering), Pune University

**Research Interests:** Gravure, Flexography, Flexible Packaging

**Field of Consultancy (Aspiring):** Gravure, Flexography, Packaging

**Consultancy offered:**

1. **Title:** Development of models for Gravure Printability  
**Area:** Gravure  
**Amount:** \$1, 50, 000.00 (USD One lakh fifty thousand)  
**Sponsoring Agency:** United Way Worldwide Grant on behalf of generosity from OMNOVA SOLUTIONS FOUNDATION., USA  
**Duration:** 11 years (since 2005)

**Experience:**

1. Industrial Experience (total years): 2 years
2. Teaching Experience (total number of years): 23 years
3. Research Experience: 12 years

**Research Projects:**

1. **Title:** Impact of Standardized Press Settings on Gravure Print Fidelity.  
**Area:** Gravure  
**Amount:** \$5000.00  
**Sponsoring Agency:** United Way Worldwide Grant on behalf of generosity from OMNOVA SOLUTIONS FOUNDATION., USA  
**Duration:** 1 year (2005-2006)

2. **Title:** Impact of Shore Hardness on Gravure Print Fidelity.  
**Area:** Gravure  
**Amount:** \$7000.00  
**Sponsoring Agency:** United Way Worldwide Grant on behalf of generosity from OMNOVA SOLUTIONS FOUNDATION., USA  
**Duration:** 1 year (2006-2007)
3. **Title:** Color Consistency of Process and Spot Inks on Gravure Press.  
**Area:** Gravure  
**Amount:** \$12000.00  
**Sponsoring Agency:** United Way Worldwide Grant on behalf of generosity from OMNOVA SOLUTIONS FOUNDATION., USA  
**Duration:** 1 year (2007-2008)
4. **Title:** Correlation between Gravure and UV Ink-jet Process  
**Area:** Gravure  
**Amount:** \$17000.00  
**Sponsoring Agency:** United Way Worldwide Grant on behalf of generosity from OMNOVA SOLUTIONS FOUNDATION., USA  
**Duration:** 1 year (2008-2009)
5. **Title:** Behaviour of Virgin and Re-used solvent-based Gravure Inks  
**Area:** Gravure  
**Amount:** \$17000.00  
**Sponsoring Agency:** United Way Worldwide Grant on behalf of generosity from OMNOVA SOLUTIONS FOUNDATION., USA  
**Duration:** 1 year (2009-2010)
6. **Title:** Analysis of Print Defects on PVC Film  
**Area:** Gravure  
**Amount:** \$22000.00  
**Sponsoring Agency:** United Way Worldwide Grant on behalf of generosity from OMNOVA SOLUTIONS FOUNDATION., USA  
**Duration:** 1 year (2010-2011)
7. **Title:** Analysis of Missing Dots on Shrink Films  
**Area:** Gravure  
**Amount:** \$27000.00

**Sponsoring Agency:** United Way Worldwide Grant on behalf of generosity from OMNOVA SOLUTIONS FOUNDATION., USA

**Duration:** 2 years (2011-2013)

8. **Title:** Investigation of Print Mottle on Shrink Films

**Area:** Gravure

**Amount:** \$20000.00

**Sponsoring Agency:** United Way Worldwide Grant on behalf of generosity from OMNOVA SOLUTIONS FOUNDATION., USA

**Duration:** 1 year (2013-2014)

9. **Title:** Effect of Electrostatic Assist on Defect Reduction in Shrink Films

**Area:** Gravure

**Amount:** \$19000.00

**Sponsoring Agency:** United Way Worldwide Grant on behalf of generosity from OMNOVA SOLUTIONS FOUNDATION., USA

**Duration:** 1 year (2014-2015)

10. **Title:** Effect of Ink Transfer on Gravure Print Quality

**Area:** Gravure

**Amount:** \$9000.00

**Sponsoring Agency:** United Way Worldwide Grant on behalf of generosity from OMNOVA SOLUTIONS FOUNDATION., USA

**Duration:** 1 year (2015-2016)

11. **Title:** Optimization of Flexo Process Parameters to Reduce Overall Manufacturing Cost

**Area:** Flexography

**Amount:** Rs. 3, 00,000/-

**Sponsoring Agency:** Windmüller & Hölscher India Private Limited, India

**Duration:** 1 year (2016-2017)

12. **Title:** Effect of Electrostatic Assist on Gravure Printability

**Area:** Gravure

**Amount:** \$9000.00

**Sponsoring Agency:** United Way Worldwide Grant on behalf of generosity from OMNOVA SOLUTIONS FOUNDATION., USA

**Duration:** 1 year (2017-2018)

**Publications:**

1. International Journals: 11
2. International Magazines: 04
3. National Magazines: 02
4. International Conferences: 07

**PG/PhD Guidance:****PG Guidance:**

S. No	Name of Student	Title of Thesis	Status
1.	Mr. M. L. Ravikrishna	Analysis of Web Offset UV Inks	Completed
2.	Mr. Sanjay Sharma	Effect of Process Parameters on Color Variation in Offset Printing	Completed
3.	Mr. Anand Kulkarni	Relation of Radiometric Output with Quality Printing Attributes	Completed
4.	Mrs. NikhatSuhel	Evaluation of Print Quality on Coated Paper by Varying Gravure Process Parameters	Completed

**Professional Society Memberships:**

- ISTE-Life membership
- Print-Promotion, Germany

**Recognitions/ Awards:**

1. Recognized Ph.D. Guide and Post Graduate teacher for Printing Engineering at Savitribai Phule Pune University.
2. Appointed as Gravure Expert for G7 Implementation in Gravure Printing Process by Idealliance South Asia.
3. Completed Ph.D. (Engineering) from Jadavpur University in 2015.
4. Appointed as Board Member for Uniform Syllabus in Printing Engineering for Indian Institutes offering Printing Program.
5. Member, Board of Studies at DOT Institute of Graphic Arts
6. Received Best Teacher Award from Late V. G. Joshi Trust.
7. Received Best Project Award from Dr. Abhay Sharma, Chair, Ryerson University, Toronto, at International Color Conference, Mumbai, 2009
8. Certified Six Sigma Green Belt, Accredited from ASCB (Europe)
9. Instrumental in developing a tie-up with OMNOVA SOLUTIONS INC., USA with sponsorship of almost \$1,50,000.00 (USD One lakh twenty seven thousand only) for Gravure, Printing Engineering Department and working as a Project Leader for carrying

out Research Work in Gravure, Flexo and Packaging field.

10. Furnished Gravure & Flexo Printing Lab with Pilot Plant Gravure and Flexo Machine, Flexo Plate Processor, ESA System, Image Analyser, Mottle Tester as a donation or at negligible price.
11. Developed and set-up of state-of-art Ink Testing Lab with sophisticated instruments.

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