

# Shankhya Debnath

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## Educational Degrees

- **Bachelor of Engineering in Printing Engineering**  
**Institute:** Jadavpur University, Kolkata, India  
**CGPA:** 9.19 (Gold Medalist)  
**Date of Degree:** 2014
- **Higher Secondary Examination**  
**Institute:** West Bengal Council of Higher Secondary Education  
**Percentage:** 91%  
**Date of Degree:** 2009
- **Indian Certificate of Secondary Education**  
**Institute:** CISCE  
**Percentage:** 90.3%  
**Date of Degree:** 2007

## Current Employment

- **Designation:** Lecturer in Printing Technology  
**Organization:** Regional Institute of Printing Technology, Kolkata  
**Date:** July 2017 – Till Date
- **Job Description:**
  - Conducting academic classes, lesson plan development, assessment, and evaluation.
  - Curriculum development and contributing towards accreditation processes.
  - Areas of interest: Color science & management and prepress
- **Additional responsibilities:**
  - Secretary, Academic Council: 2018 - 2023
  - Institutional Coordinator for NBA Accreditation: 2018 - 2023
  - Convenor, Syllabus Committee for Diploma in Printing Technology, WBSCTVESD: 2020-2023
  - Member, Governing Body: 2019-2023

## Past Employment

- **Designation:** Technical Services Executive  
**Organization:** DIC India Ltd  
**Date:** 2014 – 2017
- **Job Description:**
  - Conducting trials for conventional and UV sheetfed / print finish products at customer end
  - Support to and resolution of product application related issues
  - Product evaluation against competition
  - Color matching and brand development solutions
  - Establishment of standardized printing protocols pertaining to application of products

- Assessment of business requirements and development of new products
- Ensuring assistance, coordination and collaboration between teams to enhance and intensify product placements at customer end
- **Major projects completed:** Part of a team responsible for implementing a high-fidelity printing protocol at a press in India using Naturalith Wakimizu™ from DIC Corporation (Japan) process color inks, to achieve the highest possible CMYK gamut possible.

## Publications

- Ananya Mitra, Shankhya Debnath, "The impact of UX/UI usability constructs on purchase decisions for mobile food ordering applications in India." In *3rd International Conference on Advanced Computing and Applications*, Singapore: Springer Nature Singapore (In-Press).
- Ananya Mitra, Shankhya Debnath, "A Set of Usability Constructs and Indicators for UI/UX Research on Mobile Food Ordering Applications in India." In *International Conference on Data Analytics and Insights*, pp. 431-441. Singapore: Springer Nature Singapore.
- Shankhya Debnath, Arpitam Chatterjee, "An approach to predict print density using scanner and regression models." *Journal of Print and Media Technology Research*, vol. 12, no. 2, pp. 55-66.
- Shankhya Debnath, "Color Forum: Chasing colors." *Color Research & Application*.
- Mahuya Biswas, Srabana Kundu, Shankhya Debnath, "Tall Oil Rosin: A Substitute for Gum Rosin in Development of Offset Printing Ink." In *NIP & Digital Fabrication Conference*, vol. 34, pp. 44-48. Society for Imaging Science and Technology.
- Mahuya Biswas, Shankhya Debnath, Munmun Dey, Srabana Kundu, Abhijit Bandyopadhyay, "A study on the factors affecting ink-substrate interactions in maplitho papers." In *NIP & Digital Fabrication Conference*, vol. 33, pp. 47-53. Society for Imaging Science and Technology.
- S. Debnath, "Halftone structure analysis for classifying print processes." In *NIP & Digital Fabrication Conference*, vol. 31, pp. 471-475. Society for Imaging Science and Technology.
- S. Debnath, "Analyzing Banding Features for Classifying Print Processes Using Artificial Neural Networks," In *NIP & Digital Fabrication Conference*, vol. 30, pp. 281-288. Society for Imaging Science and Technology.

## Teaching Merits

- Developed open access video tutorials for students on Print Standardization and Color Management (Link).
- Contributed towards curriculum revision and development for Diploma in Printing Technology.
- Teacher Mentor for Printing Second year students (2022-2023).

## Professional Activities

- **Associate Member:** The Institution of Engineers (India) IEL.
- **Principal Member:**
  - Publication and Graphic Technology (MSD 6), Bureau of Indian Standards (BIS).
  - Printing Ink Stationery and Allied Products Sectional Committee (CHD 14), Bureau of Indian Standards (BIS).

## Awards

- **2014:** University Gold Medal for standing first in Bachelor of Printing Engineering Examination, Jadavpur University.
- **2014:** Bhaskarlal Chakroborty Smriti Padak for standing first in Bachelor of Printing Engineering Examination, Jadavpur University.
- **2014:** Bhupendra Nath Nandi Memorial Gold Medal for standing first in Bachelor of Printing Engineering Examination.
- **2014:** Coats of India Ltd Gold Centered Silver Medal for standing first in Bachelor of Printing Engineering Examination.
- **2014:** Best Paper Award for "Analysing banding features for classifying print processes using Artificial Neural Networks," Printvizon 2014.
- **2012:** Indu Bhushan Putatunda and Shanti Bhushan Putatunda Award for Academic Excellence, Jadavpur University.

## Certifications

- **2023:** NITTT Module 8 Institutional Management & Administrative Procedures.
- **2023:** NITTT Module 7 Creative Problem Solving, Innovation and Meaningful R & D.
- **2023:** NITTT Module 6 Student Assessment and Evaluation.
- **2023:** NITTT Module 5 Technology Enabled Learning & Life Long Self Learning.
- **2023:** NITTT Module 4 Instructional Planning and Delivery.
- **2023:** NITTT Module 3 Communication Skills, Modes & Knowledge Dissemination.
- **2023:** Module 2 Professional Ethics & Sustainability.
- **2023:** Three-week Industrial Training at Saraswat Press Ltd (Government of West Bengal) An ISO 9001:2015 certified company on 1) Evaluating the compliance of prepress workflow to PDF/X specification based on GWG recommendations and 2) Analysis on Productivity of City line 508 web press at Saraswat press for the month of December 2022.
- **2021:** 2 Day Training Programme for Technical Committee Members, BIS Online.
- **2020:** NITTT Module 1 Orientation Towards Technical Education and Curriculum Aspects.
- **2020:** Online Teaching Tools and Techniques for Printing & Packaging (1 Week) PVGCOET Pune Online.
- **2019:** Faculty Development Program for Student Induction (FDP-SI) AICTE Sister Nivedita University.
- **2019:** TEQIP III Sponsored one-week short term Course on Emerging Trends in Photonics and Applications (ETPA 2019) NIT Durgapur.
- **2019:** Accreditation and Outcome based Learning (8 Week NPTEL Online certification course).
- **2019:** Elements of Visual Representation (8 Week NPTEL Online certification course).
- **2018:** Human Resource Management - Issues in Technical Education System (1 Week) NITTTR Kolkata.
- **2018:** Induction Training - Phase II (2 Weeks) NITTTR Kolkata.
- **2018:** TEQIP III Sponsored one-week short term Course on Open-Source Software in Academia and Research (OSSAR 2018) NIT Durgapur.
- **2017:** Designing Student Centered Instruction (1 Week) NITTTR Kolkata.
- **2017:** Quality Improvement in Institutional Activities (2 Weeks) NITTTR Kolkata.

## Contact Information

- **Email:** shankhya@wbscte.ac.in
- **LinkedIn:** Shankhya Debnath
- **SCOPUS:** Scopus Link