

Name : **Dr. Anjan Kumar Baral**

Designation : **Professor**

Father's Name : Sh. Rama Chandra Baral.

Mother's Name : Smt. Renubala Baral

Nationality : Indian

Department : Printing Technology

University Name : G.J.U.S. & T, Hisar, Haryana

Date of Birth : 07.05.1969

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Field of specialization : Printing Technology
Packaging Technology

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Professional Experience

Designation	Institute/organization	From	To
Professor	G.J.U.S & T	22-04-2016	Till date
Associate Professor	G.J.U.S & T	07-04-2012	21-04-2016
Assistant Professor	G.J.U.S & T	06-04-1998	06-04-2012
Press In-charge	Ajanta Offset & Packaging Ltd., Faridabad	25-04-1996	31-03-1998
Graduate Engineer Trainee (GET)	Thomson Press (I) Ltd. Faridabad	01-07-1995	13-04-1996
Trainee	R.A.S. Extrusion Ltd. Pune	17-08-1991	16-09-1992

Educational Qualifications

Examination	Board/Institute	Year of Passing	Marks Obtained in %	Division
Ph. D. (Printing Technology)	GJUS&T, Hisar, Haryana	2016	Feasibility and Analysis of a Hybrid Paper (Common Substrate) for Conventional Sheet Fed Offset Printing and Digital Printing.	
M. Tech. (Printing Technology)	G.J.U.S&T, Hisar, Haryana	2009	8.87 in 10 points scale	First Division with distinction
M.B.A. (HR)	I.G.N.O.U., New Delhi	2003	3.88 in 5 scale	B grade
B.E. (Printing Technology)	C.O.E.T., Pune, Maharashtra	1995	73.4%	First Division with distinction
Diploma in Printing Technology	R.I.P.T., Jadavpur, Calcutta, West Bengal	1990	75 %	I
12th Science	C.H.S.E. Orissa	1986	43.33	III
10th	B.S.E. Orissa	1984	62.14	I

Awards & Honors Received

- In appreciation of my dedication and service towards the print and packaging industry, **Association for PRINT Technologies** (formerly NPES), United States of America (U.S.A.), honoured its most coveted **“PRINT GURU” 2022, International Award** on 28-05-2022, during the Print Business Outlook International Conference, held on 28 May, 2022, India Expo Centre, Greater Noida.

2. To acknowledge the outstanding services for the cause of printing, especially Print Education in India, All India Federation of Master Printers (AIFMP), New Delhi, conferred, “**PRESIDENTIAL PRINT AWARD**” 2021, on 05-09-2021(on the eve of Teacher’s Day).
3. Based on the contributions to the global graphic arts education, training and research, ‘Printing Industries of America (PIA)’ conferred it’s most coveted **International Award**, “**GLOBAL EDUCATION AWARD OF EXCELLENCE**”, 2018, popularly known as ‘**Oscar in Printing**’ (Minneapolis, USA), the first Asian personality to receive the honor under the Academic category in the history of PIA, U.S.A. This award is given annually to an exemplary academician in recognition of his leadership quality, that has directly resulted in a distinguished education service and accomplishment in advancing graphic communications, worldwide.
4. Prof. Rita Bahuguna Joshi, Hon’ble Cabinet Minister, Govt. Of Utter Pradesh, honored the prestigious award, “**PRINT RATNA**”, 2017 by Lucknow Printers Association, lucknow, in appreciation towards the contributions in Teaching, Education, Research, Training & Development service and upliftment of Printing in India & abroad, on 18.11.2017.
5. His Excellency, Sh. V. P. Singh Badnore, Governor of Punjab, honored the prestigious award, “**AWARD FOR EDUCATION EXCELLENCE**”, 2017 at Amritsar on 19.09.2017, courtesy All India Federation of Masters (AIFMP), New Delhi, the apex of Indian Printers, in recognition of outstanding contribution in the field of Printing education & research, industry-institute partnership and establishing state of art modern printing laboratories for the growth of the printing department, for the year, 2016-17.

Memorandum of Understanding (MoU) Signed

1. Memorandum of Understanding (MoU) between Guru Jambheshwar University of Science & Technology (GJUS&T), Hisar-125001, Haryana, India and **Glasgow Metropolitan College, Scotland, United Kingdom**, for examine, promote and develop joint activities for the mutual benefit of each institution, 19-06-2009.
2. Memorandum of Understanding (MoU) between Guru Jambheshwar University of Science & Technology (GJUS&T), Hisar-125001, Haryana, India and **Ricoh India Limited (RID), New Delhi, India**, for setting, “Digital Print Application Laboratory” in Department of Printing Technology, GJUS&T, Hisar without capital investment from GJUS&T for the practical exposure of students/researchers/faculty member of the Department of Printing Technology, GJUS&T, Hisar, 20-01-2015.
3. Memorandum of Understanding (MoU) between **Beijing Institute of Graphic Communication (BIGC), Beijing, China** and Guru Jambheshwar University of Science & Technology (GJUS&T), Hisar-125001, Haryana, India, for academic cooperation and students exchange between BIGC and GJUS&T, 25-02-2015.
4. **Reed Exhibitions, China**, extending support to GJUS&T, Hisar, Haryana, India for the purpose of educating the students of GJUS&T, Hisar, 17-09-2015.
5. Memorandum of Understanding (MoU) between **HCL Talent Care Private Limited, New Delhi** and Guru Jambheshwar University of Science & Technology (GJUS&T), Hisar-125001, Haryana, India, for facilitating free Tech session and lectures on latest Technologies, conducting interview preparatory session for the final year students, etc., 01-03-2016.

Course Curriculum/Laboratory Developed

▪ Courses Curriculum Developed

1. Developed Syllabus and Scheme B. Tech. Printing Technology, B.Tech. Packaging Technology, B. Tech. Printing & Packaging Technology, M. Tech. Printing Technology, G.J.U.S&T, Hisar, Haryana.
2. As Expert member for finalizing the curriculum of Diploma programs in a) “Printing Technology (Specialization in Press Technology)” and b) “Printing Technology (Specialization in Computer Aided Design and Graphic Arch. Tech. CAD” for the state of Haryana (27-28 December, 2011).
3. Developed and prepared, “Uniform Syllabus Development for Diploma & Bachelor Programme in Printing Technology”, Department of Printing Technology under the aegis of AIFMP, New Delhi, GJUS&T, Hisar on 26, 27-07-2014.
4. Subject Expert Member for finalizing the scheme and syllabus of B. Voc. (Printing Technology & Packaging Applications), University School of Engineering & Technology (USET), Guru Gobind Singh Indraprastha University, New Delhi, from 2015-16 session (22-07-2015).
5. Expert member for framing the syllabus & course Curriculum of B. Voc./ D. Voc. and Diploma (Skill) programs in Printing & Packaging Technology, AICTE, New Delhi, India, 22-23 February, 2018.
6. Vice-Chancellor nominated member, Syllabus Sub-Committee, for framing of curriculum and syllabi of B. E. printing Technology, Faculty of Engineering & Technology, Anna University (20-12-2018).

7. Expert Member (Member of B.O.S.) developed and prepared model Scheme & Syllabus for B. Tech. Printing Technology, Savitribai Phule Pune University, Pune
 8. Expert member for framing the model syllabus & detailed course Curriculum and the Laboratories & Workshops of B. Tech. Printing & Packaging Technology, Department of Printing Technology, School of Engineering & Technology, Central University of Haryana, Mahendergarh, Haryana.
- **Laboratories Developed**
 1. Established the, “**Paper and Ink Testing**” laboratory in the Department of Printing Technology, Guru Jambheshwar University of Science & Technology, Hisar-125001, Haryana.
 2. Established the, “**Digital Print Application**” laboratory in the Department of Printing Technology, Guru Jambheshwar University of Science & Technology, Hisar-125001, Haryana, fully sponsored by Ricoh India Ltd. under CSR, worth of INR 1.5 crores.
 3. Expert member for establishing all the **Laboratories & Workshops of B. Tech. Printing & Packaging Technology**, Department of Printing Technology, School of Engineering & Technology, Central University of Haryana, Mahendergarh, Haryana.

Books Published

1. “**Sheet Fed Offset Technology**”, 2010 (ISBN: 978-81-909828-2-5) published by Arihant Prakashan Pvt. Ltd., New Delhi, India.
2. “**Printing Process**”, 2017, (ISBN-13: 978-9384871093) published by DBH Publishers & Distributors, New Delhi, India with Prof. Kamal Chopra.

3. “**Life in Print**”, Biography of Prof. Kamal Mohan Chopra, world famous printing personality, 2020, ISBN: 978-81-943437-7-6, published by Foil Printers, Ludhiana, Punjab, India.

Advisory Committee Member

1. Advisory Committee Member, Centre of Industry-Institute Partnership (IIP), as per the Executive Council, Resolution No.21, GJUS&T, Hisar (09-09-2016).
2. Committee Member, Training & Placement Advisory Council (TPAC), GJUS&T, Hisar (19-07-2017).
3. Committee Member, Teaching-Learning and Evaluation, for the NAAC preparation,2021, GJUS&T, Hisar (10-02-2021).

Administrative Responsibilities

1. **Incharge**, Department of Printing Technology, Guru Jambheshwar University of Science & Technology, Hisar-125001, Haryana (08-05-2001 to March, 2003).
2. **Incharge**, Department of Printing Technology, Guru Jambheshwar University of Science & Technology, Hisar-125001, Haryana (21-10-2009 to 13-03-2013).
3. **Chairman**, Department of Printing Technology, Guru Jambheshwar University of Science & Technology, Hisar-125001, Haryana (14-03-2013 to 13-03-2016).
4. **Director**, Placement, Guru Jambheshwar University of Science & Technology, Hisar-125001, Haryana (02-06-2014 to 05-04-2016).

5. **Joint Secretary cum Treasurer**, GJUST Alumni Association, Guru Jambheshwar University of Science & Technology, Hisar-125001, Haryana (07-02-2017 to 21-01-2020).
6. **Chairman**, Department of Biomedical Engineering, Guru Jambheshwar University of Science & Technology, Hisar-125001, Haryana (27-12-2018 to 31-08-2019).
7. **Chief Admission Coordinator (CAC)**, B. Tech. admissions, Guru Jambheshwar University of Science & Technology, Hisar-125001, Haryana (2019-20, 2020-21 & 2021-22 academic sessions).
8. **Chairman, Publications & Graphic Technology, Sectional Committee (MSD 6)** of Management & Systems Development (MSD) council, Bureau of Indian Standards (BIS), New Delhi (w.e.f. 25th January, 2022 to a period of three years).

Expert Members

1. As Expert member for finalizing the course curriculum of Diploma programs in a) “Printing Technology (Spl. In Press Technology)” and b) “Printing Technology (Spl. In Computer Aided Design and Graphic Arch. Tech. CAD” for the state of Haryana (27-28 December, 2011).
2. Committee Member, Maharshi Dayanand University, Rohtak, Haryana, to examine the introduction of Diploma Course in Printing Technology (08-07-2013).
3. As Expert member for evaluating financial aid to the Community Colleges (Polytechnics of Printing Technology), AICTE, New Delhi on 24-07-2013.

4. Member for Advisory & Technical Committee for national Conference on “Emerging Trends and Advances in Mechanical Engineering & Green Print Pack” on 30-11-2013 organized by SITM, Rewari.
5. Printing Expert to Modernization of Haryana Government Presses, Chandigarh & Panchkula (26-03-2014).
6. As Expert member of Scrutiny Committee of AICTE, New Delhi to work out appropriate cost of equipment required at each Specialization/Level in Printing and Publishing Sector under NVQEF/NSQF, Trade-wise Costing of Equipment for Community Colleges”, AICTE, New Delhi on 23-05-2014.
7. As Expert member of Scrutiny Committee of AICTE, New Delhi for SKP (skill knowledge provider)/ Institutes received under NVEQP (National Vocational Education Qualification Framework) for the year 2013-14 (Polytechnics of Printing Technology), AICTE, New Delhi on 21-06-2014.
8. Committee Member, Maharshi Dayanand University, Rohtak, Haryana, to examine the efficacy of Thermal CTP, for the university press (13-08-2014).
9. Expert Member to review a project titled "Single release liner carrying label stock on each side along with ancillary conversion process being implemented by M/s. HassleFree Technologies, Noida since February 2014 under TIFAC-SIDBI Technology Innovation Programme (SRIJAN), Technology Information, Forecasting & assessment Council (TIFAC), Department of Science & Technology, Govt. of India, New Delhi (January 13-16, 2015).
10. Subject Expert Member for finalizing the scheme and syllabus of B. Voc. (Printing Technology & Packaging Applications), University School of Engineering & Technology (USET), Guru Gobind Singh Indraprastha University, New Delhi, from 2015-16 session (22-07-2015).

11. Expert member of Inspection Committee for grant of provisional affiliation to OITM, Hisar for the academic session 2013-14, 2014-15, 2015-16 of B. Tech. Printing & Packaging Technology course.
12. Honorary G.C. member of the All India Federation of Master Printers (AIFMP), New Delhi, 2014-15.
13. Committee Member, to examine the quality of paper of DMC's purchased in 2014, Indira Gandhi University, Meerpur, Rewari, Haryana (14-07-2015).
14. Committee Member, for purchasing/printing of question papers, DMC's, Degrees, Result sheets, etc. and for finalizing the formats of DMCs and Degrees, Indira Gandhi University, Meerpur, Rewari, Haryana (21-09-2015).
15. Jury member of NAEP-2016 award of AIFMP, New Delhi.
16. Member, Advisory Committee, AIFMP, New Delhi, 2016-2017.
17. Subject Expert, Interview Panel for Personnel Officer (Karmik Adhikari) in Government Printing Press, Roorkee, Uttarakhand, Uttarakhand Public Service Commission, Haridwar (14-07-2016).
18. Expert member for establishment of full-fledged department of Printing Technology at Maharshi Dayanand University, Rohtak, Haryana, India (16-09-2017).
19. Selection Committee Member, for Assistant Professor, Department of Printing and Packaging Technology, CUH, Mahendergarh, 23-08-2017.
20. Expert member for establishment of the printing press (medium sized), Choudhary Devi Lal University, Sirsa, Haryana, India, 2017 (07-06-2017).
21. Expert Member, Board of Studies, Department of Printing Technology, CUH, Mahendergarh, 13-04-2018 to 12-04-2021.
22. Expert Member, Board of Engineering School, CUH, Mahendergarh, June, 2018 to June, 2021.

23. External Expert, Printing Technology, Academic Audit, School of Engineering & Technology, Central University of Haryana, 23-11-2017.
24. Expert member for framing the syllabus & course Curriculum of B. Voc./ D. Voc. and Diploma (Skill) programs in Printing & Packaging Technology, AICTE, New Delhi, India, 22-23 February, 2018.
25. External Expert, the committee to finalize the specifications of the equipment for establishing Printing & Packaging laboratories in the School of Engineering & Technology, Central University of Haryana, Mahendergarh, 26-02-2018.
26. Committee Member, to review and prepare the syllabus for non-Teaching posts, Central University of Haryana, Mahendergarh (04-05-2018).
27. For framing the syllabus for Punjab Public Service Commission (PPSC), Punjab, related to the Govt. Printing Press (11-10-2018).
28. Vice-Chancellor nominated member, Syllabus Sub-Committee, for framing of curriculum and syllabi of B. E. printing Technology, Faculty of Engineering & Technology, Anna University (20-12-2018).
29. Expert Member, Mechanical Department, Printing Machinery Sectional Committee, MED- 25, Bureau of Indian Standards, New Delhi, 2018.
30. Expert member for framing the syllabus & course Curriculum of D. Skill, D. Voc., B. Voc. in Printing & Packaging Technology, AICTE, New Delhi, India, April, 2019.
31. Expert Member, Board of Studies, Printing Technology, Savitribai Phule Pune University, Pune, January, 2019 to December 2022.
32. Honorary G.C. member of the, All India Federation of Master Printers (AIFMP), New Delhi, 2020-21.

33. Subject Expert for assisting the Union Public Service Commission (UPSC), New Delhi in various Interviews/Personality Test Boards, 2020.
34. Advisory Experts, Mumbai Mudrak Sangh's (MMS), World Print Hub (WPH), "Education & Research" (17-02-2021).
35. Authorized to write a book on, "History of All India Federation of Master Printers (AIFMP), 2021.
36. Expert for AICTE Approval Process, 2021-22, AICTE, New Delhi.
37. Moderator for series of webinars to be organized by All India Federation of Master Printers (AIFMP), New Delhi & Guru Jambheshwar University of Science & Technology, Hisar, from the first week of June, 2021, in the fields of Printing Technology for creating awareness among the students and printers (01-06-2021).
38. Member, Academic Council, Deenbandhu Chhotu Ram University of Science & Technology (DRUCST), Murthal, Haryana, from 22-06-2021 to 21-06-2023.
39. Member, Faculty of Engineering & Technology, GJUS&T, Hisar-125001, Haryana, for a period of two years, w.e.f. 16-07-2021.

Projects Completed

1. Minor research project on "**Wastage Minimization in Offset Presses; a case study of Haryana Government Press, Panchkula, Haryana & Thomson Press (I) Ltd., Faridabad**", funded by University Grants Commission, New Delhi. (Completed) in 2003-04.

2. Minor research project on **“Dot gain in Sheet Fed Offset Press”** funded by University Grants Commission, New Delhi during 2010-11 financial year.
3. Minor research project on **“Minimizing Printed Waste to the Lowest Level in Sheet Fed Offset Press”** funded by University Grants Commission, New Delhi during 2011-12 financial year.
4. Minor research project on **“Printer’s Mottle & Ink Trap Mottle on Coated paper in Single Colour Sheet Fed Offset Press”** funded by University Grants Commission, New Delhi during 2012-13 financial year.
5. Minor research project on **“Print Quality Evaluations of Different Grades of Paper in Sheet Fed Offset printing & Digital Printing”** funded by University Grants Commission, New Delhi during 2013-14 financial year.
6. Minor research project on **“Surface Characteristics of Various Grades of Paper & their Impact on Conventional Offset & Digital Printing Technologies”** funded by University Grants Commission, New Delhi during 2014-15 financial year.
7. Minor research project on **“Optimizing Solid Ink Density of Various Inks on Coated & Un-coated Paper Substrates in Sheet Fed Offset Presses”** funded by University Grants Commission, New Delhi during 2015-16 financial year.

Editorial Assignments

1. Editorial team member, **“Print Innovators”**, A semester laboratory journal, Department of Printing Technology, Guru Jambheshwar University, Hisar-125001, Haryana.

2. Editor, Proceedings of National Conference on, “**Modern Trends in Packaging Technology**”, (NCMTPT – 2012), organized by Department of Printing Technology, Guru Jambheshwar University of Science & Technology, Hisar-125001, Haryana on March 22, 2012, ISBN: 978-93-80872-63-6.
3. Editor, Proceedings of National Conference on, “**Print Quality of Sheet Fed Offset & Digital Printing Technologies**”, organized by Department of Printing Technology, Guru Jambheshwar University of Science & Technology, Hisar-125001, Haryana on February 26-27, 2014.
4. Editor-in-Chief, Conference Compendium, first ever International Conference on, “**21st Century Printing**”, February 24-25, 2015, ISBN: 9-788190-714556.

Letters of Appreciations/Certificates

1. Letter of certification towards Community Service, in spreading the message of small family norms and encouraging parents of poor people to send their wards to the school, Pandua, Rahama, Jagatsinghpur, Odisha, 08-11-2004.
2. Letter of congratulation to elevated as the Chairman, Department of Printing Technology, GJUS&T, Hisar, from Dean Academic Affairs, 21-03-2013.
3. Certificate of appreciation, for the outstanding support for conducting, “Calibre-“de-en-quete” (CDQ), Mechanical Engineering Society, Department of Mechanical Engineering, Indian Institute of Technology (BHU), Varanashi, Utter Pradesh, January,2016.
4. Letter of Appreciation from Hon’ble Vice-Chancellor, for commendable work as Director, Placement, Guru Jambheshwar University of Science & Technology, Hisar, Haryana, 06-04-2016.

5. Letter of Appreciation from Hon'ble Vice-Chancellor, Central University of Haryana, Mahendergarh, Haryana for outstanding contribution in promotion of Print Education & Research in India, 23-04-2019.
6. Letter of Appreciation from Hon'ble Vice-Chancellor, for commendable work as Joint Secretary-cum-Treasurer, Department of Alumni Relations, Guru Jambheshwar University of Science & Technology, Hisar, Haryana, 06-04-2016.
7. Letter of appreciation, for the launching the biography Book, "The Life in Print" of Prof. Kamal Mohan Chopra from President, Indonesia Print Media Association, 05-09-2020.
8. Letter of appreciation, for the launching the biography Book, "The Life in Print" of Prof. Kamal Mohan Chopra from President, Indian printing Packaging & allied Machinery Manufacturers Association' (IPAMA), New Delhi, 07-09-2020.
9. Letter of Appreciation towards Community Outreach, General Secretary, Offset Printers Association (OPA), Ludhiana, Punjab, 18-06-2021.
10. Letter of Appreciation for Extension Services in Printing Industry in India, President, All India Federation of Master Printers (AIFMP), New Delhi, 19-06-2021.
11. Letter of Appreciation from Dean, School of Engineering & Technology, Central University of Haryana, Mahendergarh, Haryana for developing the Scheme & Syllabus and setting Laboratories and workshops in the Department of Printing & Packaging Technology.
12. Letter of Appreciation from Dean, School of Engineering & Technology, Central University of Haryana, Mahendergarh, Haryana for the valuable contribution for organizing two days International Conference on, Future

Printing and Scope for India’, organized by Department of Printing & Packaging Technology on 26-27th March, 2022.

13. Certificate of appreciation, to moderate one technical session of research presentations during AICTE sponsored 8th Manipal Media Congress 2020 (MMC2020), held on 3rd and 4th February, 2020, MIT, MAHE, Manipal, Karnataka.

Research Publications

1. K. Baral & Bijender, “**The influence of precipitated calcium carbonate coating pigment on paper properties and offset printability**”, Printing Times, May-June, 2011, pp: 14-18. (ISSN:0970-8391).
2. A. K. Baral & Sandeep Kumar, “**Optical & Printing Properties with Finer Talc as Coating Pigment**”, Printing Times, July-August, 2011, pp: 16-18. (ISSN:0970-8391).
3. A. K. Baral, Bijender & Mohit Kumar, “**The influence of various paper coating pigments on paper performance and printability: A review**”, International Journal of Science, Engineering & Computer Technology, ISSN:2231-508X, Volume 2, Issue 2, March-2, 2012, pp: 27-29.
4. A. K. Baral, Bijender & Ravinder, “**Productivity optimization in sheet fed offset presses through effective make-ready operations: A review**”, International Journal of Science, Engineering & Computer Technology, ISSN:2231-508X, Volume 2, Issue 2, March-2, 2012, pp: 33-34.
5. A. K. Baral, “**Value Addition in Food Packaging**”, Proceedings of National Conference on “Modern Trends in Packaging Technology”, organized by Department of Printing Technology, GJUS&T, Hisar on 22nd March, 2012, pp: 11-13, ISBN: 978-93-80872-63-6.

6. Mohit Kumar & A. K. Baral, “**Use of De-inked Fiber as a Packaging Medium for Sustainable Growth of Packaging Industry**”, Proceedings of National Conference on “Modern Trends in Packaging Technology”, organized by Department of Printing Technology, GJUS&T, Hisar on 22nd March, 2012, pp: 38-40, ISBN: 978-93-80872-63-6.
7. A. K. Baral, Mohit Kumar, Sunil Kumar & Nitin Kumar, “**Effect of Physical Properties of Pigment on Coated Paper Quality & Printability**”, International Journal of Science, Engineering & Computer Technology, ISSN:2231-508X, Volume 2, Issue 3, June, 2012, pp: 90-93.
8. A. K. Baral, Nishant Ghai, Sunil Kumar & Nitin Kumar, “**Influence of Base Paper Characteristics on Final Coated paper’s Quality & Printability with Sheet Fed Offset**”, International Journal of Science, Engineering & Computer Technology, ISSN:2231-508X, Volume 2, Issue 3, June, 2012, pp: 166-169.
9. A. K. Baral & Ravinder, “**Make Ready Optimization; A case Study of Foil Printers, Ludhiana**”, International Journal of Science, Engineering & Computer Technology, ISSN:2231-508X, Volume 2, Issue 3, June, 2012, pp: 188-191.
10. A. K. Baral & Harsha, “**Waste Control and Cost Minimization by proper Waste management Programs**”, International Journal of Science, Engineering & Computer Technology, ISSN:2231-508X, Volume 2, Issue 4, September, 2012, pp: 247-250.
11. A. K. Baral & Ankit Boora, “**Minimizing Printed Waste to the Lowest Level in Single Colour Sheet Fed Offset Press**”, International Journal of Science, Engineering & Computer Technology, ISSN:2231-508X, Volume 3, Issue 1-2, March-June, 2013, pp: 21-23.

- 12.A. K. Baral & Ankit Boora, “**Printer’s Mottle and Ink Trap Mottle on Coated and Un-coated Paper in Single Colour Sheet Fed Offset Press**”, International Journal of Science, Engineering & Computer Technology, ISSN:2231-508X, Volume 3, Issue 1-2, March-June, 2013, pp: 80-81.
- 13.A. K. Baral & Bijender, “**The Influence of Calendaring on Surface, Optical and Printing Properties of Pigment coated Paper**”, Proceedings of National Conference on Print Quality of Sheet Fed Offset & Digital Printing Technologies, Department of Printing Technology, GJUS&T, Hisar on 26-27 February, 2014, pp: 9-12.
- 14.A. K. Baral, Vandana, Bijender & Manoj Saini, “**Print Quality Analysis of Coated Paper in Sheet Fed Offset**”, Proceedings of National Conference on Print Quality of Sheet Fed Offset & Digital Printing Technologies, Department of Printing Technology, GJUS&T, Hisar on 26-27 February, 2014, pp: 13-15.
- 15.A. K. Baral, Steffi & Manoj Saini, “**Print Quality Related Issues in Digital Printing Technologies**”, Proceedings of National Conference on Print Quality of Sheet Fed Offset & Digital Printing Technologies, Department of Printing Technology, GJUS&T, Hisar on 26-27 February, 2014, pp: 25-26.
- 16.A. K. Baral, Mohit Kumar & Ankit Boora, “**Reduction of Make-ready Time and Wastage of Paper through the use of Calibrated Backing/ Make-ready Paper in Die Pinching**”, Proceedings of National Conference on Print Quality of Sheet Fed Offset & Digital Printing Technologies, Department of Printing Technology, GJUS&T, Hisar on 26-27 February, 2014, pp: 64-65.

- 17.A. K. Baral & Komal Sharma, “**Effect of Paper Properties in Machine Direction & Cross Direction**”, International Journal of Science, Engineering & Computer Technology, ISSN:2231-508X, Volume 4, Issue 3-4, September-December, 2014, pp: 74-77.
- 18.Vandana, A. K. Baral & Manoj Saini, “**Print Quality Analysis of Coated Paper Used in Sheet Fed Offset Presses for Printing**”, International Journal of Science, Engineering & Computer Technology, ISSN:2231-508X, Volume 4, Issue 3-4, September-December, 2014, pp: 88-90.
- 19.A. K. Baral, Vandana, Bijender & Sunil, “**Most Common Printing Defects in Sheet-fed Offset Printing on Various Grades in Printing Paper**”, International Journal of Science, Engineering & Computer Technology, ISSN:2231-508X, Volume 4, Issue 3-4, September-December, 2014, pp: 94-96.
- 20.Bijender, A. K. Baral, Vandana & Mohit Kumar, “**Coating Weight Influence of Coating Recipe on Gloss Grade Coated Paper**”, Conference Compendium, International Conference on “21st Century Printing”, Department of Printing Technology, GJUS&T, Hisar on 24-25 February, 2015, pp: 64-68, ISBN:9788190714556.
- 21.Bijender, A. K. Baral & Vandana “**Comparative Analysis of Clay and PCC on Gloss Grade Coated Paper in relation to Sheet fed Offset Printability**”, Conference Compendium, International Conference on “21st Century Printing”, Department of Printing Technology, GJUS&T, Hisar on 24-25 February, 2015, pp: 69-72, ISBN:9788190714556.

22. Mohit Kumar, A. K. Baral, Bijender & Vandana, “**Effect of Coating Pigments on Runnability of Coating Colour on Paper Making Machine**”, Conference Compendium, International Conference on “21st Century Printing”, Department of Printing Technology, GJUS&T, Hisar on 24-25 February, 2015, pp: 79-81, ISBN:9788190714556.
23. A. K. Baral, Bijender & Vandana “**Evaluations of Solid Ink Density of Different Grades of Paper used In Sheet Fed Offset & Digital Printing**”, Conference Compendium, International Conference on “21st Century Printing”, Department of Printing Technology, GJUS&T, Hisar on 24-25 February, 2015, pp: 85-87, ISBN:9788190714556.
24. A. K. Baral, Bijender, & Vandana “**Analysis of Dot Gain of Different Grades of Paper used in Sheet Fed Offset & Digital Printing**”, Conference Compendium, International Conference on “21st Century Printing”, Department of Printing Technology, GJUS&T, Hisar on 24-25 February, 2015, pp: 88-90, ISBN:9788190714556.
25. Mohit Kumar, A. K. Baral, Vandana & Bijender, “**Customization of Surface Properties of Paper for Customized Printing Needs**”, Conference Compendium, International Conference on “21st Century Printing”, Department of Printing Technology, GJUS&T, Hisar on 24-25 February, 2015, pp: 103-106, ISBN:9788190714556.
26. Vandana, Bijender, A. K. Baral & Mohit Kumar, “**Applications of Six Sigma in Printing Industry**”, Conference Compendium, International Conference on “21st Century Printing”, Department of Printing Technology, GJUS&T, Hisar on 24-25 February, 2015, pp: 141-146, ISBN:9788190714556.

27. Vandana, Bijender, A. K. Baral & Deepak Sharma, “**Standardization of Web Offset Print Production with ISO: 12647-2 & Fogra Standards**”, Conference Compendium, International Conference on “21st Century Printing”, Department of Printing Technology, GJUS&T, Hisar on 24-25 February, 2015, pp: 149-156, ISBN:9788190714556.
28. Sunil Kumar, Bijender, A. K. Baral & Manoj Saini, “**Classification of Sheet Fed Offset Printing Defects into Most Frequent & Least Occurring Defects**”, Conference Compendium, International Conference on “21st Century Printing”, Department of Printing Technology, GJUS&T, Hisar on 24-25 February, 2015, pp: 157-159, ISBN:9788190714556.
29. A. K. Baral & Annu, “**Lamination Suitability for Flexible Packaging Applications**”, International Journal of Engineering Research, ISSN:2319-6890(online), Volume 4, Issue 5, May, 2015.
30. A. K. Baral, Anayath, R.K., Bijender & Ankit Boora, “**Surface Characteristics of Various Grades of Paper and their Impact on Conventional Sheet Fed & Digital Printing Technology**”, Printing Times, ISSN:0970-8391, May-June, 2015, pp: 35-38.
31. Sonia Rani, A. K. Baral, Bijender, Sunil Kumar & Manoj Saini, “**Quality Control during Laser Cut Rotogravure Cylinder Manufacturing Processes**”, International Journal of Science, Engineering & Computer Technology, ISSN:2231-508X, Volume 5, Issue 2, June, 2015, pp: 70-73.
32. A. K. Baral & Anayath, R.K., “**Analysis of Print Sharpness and Print Consistency of Various Grades of Paper Printed on Sheet Fed Offset & Digital Printing Machines**”, International Journal of Science, Engineering & Computer Technology, ISSN:2231-508X, Volume 5, Issue 2, June, 2015, pp: 116-120.

- 33.A. K. Baral, Bijender & Ajad Singh, “**Technical Skills Fulfillment of B. Tech. Printing Technology Students to Meet Industrial Requirements**”, International Journal of Science, Engineering & Computer Technology, ISSN:2231-508X, Volume 5, Issue 3, September, 2015, pp: 155-157.
- 34.A. K. Baral & Anayath, R.K., “**An Empirical Study and Analysis of Mottling Effect on Various Substrates on Different Printing Processes**”, International Journal of Science, Engineering & Computer Technology, ISSN:2231-508X, Volume 5, Issue 3, September, 2015, pp: 158-161.
- 35.A. K. Baral & Ankur Joshi, “**Optimizing Solid Ink Density of Various Inks on Uncoated Printing Substrates in Sheet Fed Offset Press**”, International Journal of Science, Engineering & Computer Technology, ISSN:2231-508X, Volume 6, Issue 1, March, 2016, pp: 45-47.
- 36.A. K. Baral & Ankur Joshi, “**Optimizing Solid Ink Density of Various Inks on Coated Printing Substrates in Sheet Fed Offset Press**”, International Journal of Science, Engineering & Computer Technology, ISSN:2231-508X, Volume 6, Issue 1, March, 2016, pp: 57-59.
- 37.A. K. Baral, Rajendra Kumar Anayath & Ankur Joshi, “**Evaluation of Print Sharpness of Coated Papers while Printing on Various Sheet fed Offset Machines and Digital Printing Machines**”, International Journal of Science, Engineering & Computer Technology, ISSN:2231-508X, Volume 6, Issue 2, June, 2016, pp: 138-140.
- 38.A. K. Baral, Rajendra Kumar Anayath & Ankur Joshi, “**Mottling & its Effect on Coated Printing Substrates While Printing by Using Digital Printing Machines**”, International Journal of Science, Engineering & Computer Technology, ISSN:2231-508X, Volume 6, Issue 2, June, 2016, pp: 149-151.

39. Anayath, R.K. & A. K. Baral, “**Critical Analysis of Mottling and its Impact on Various Grades of Paper Substrates Printed under Conventional Sheet Fed Offset, Dry Toner & Liquid Toner Based Digital Print Engines**”, ACTA Graphics, ISSN: 0353-4707), Vol. 27 No 1 (2016), pp: 7-14.
40. Anayath, R.K. & A. K. Baral, “**Effect of Hue Error & Grayness on Gloss and Matt Coated Papers While Printed in Sheet Fed Offset & Different Digital printing Machines**”, ACTA Graphics, ISSN: 0353-4707).
41. A. K. Baral, Satish, Sanjeev Kumar & Amit Kumar, “**Pre-makeready Time Consumption Optimization of Job Change Overtime in Sheet-fed Offset Press (A case study of “Dora Offset Printers”, Hisar)**, Journal of Emerging Technologies and innovative Research (JETIR), July-2018, Vol. 5, Issue 7, ISSN:2349-5162.
42. Amit Kumar, A. K. Baral & Sanjeev Kumar, “**Optimization of Make-ready Related Time with elation to the Job change over time in multi-colour Sheet fed offset Presses**”, Journal of Emerging Technologies and innovative Research (JETIR), January-2019, Vol. 6, Issue 1, ISSN:2349-5162.
43. Sanjeev Kumar, Anjan Kumar Baral & Monika, “**Study of dot gain in different dot shapes of halftone on print quality based on dry toner electrophotography digital press**”, Global Journal of Engineering Science, 6(2): February 2019, ISSN: 2348 – 8034.
44. Bijender, Anjan Kumar Baral, “**Runnability and Printability Related Issues in Dry Toner Based Digital Printing Techniques: A Review**”, (2021) Design Engineering, Issue: 7, pp: 9113- 9118, ISSN: 0011-9342.

45. Ankit Boora, Anjan Kumar Baral, “**Various Attributes Affecting the Print Quality of Production Based Inkjet Printing Systems: A Review**”, (2021) Design Engineering, Issue: 7, pp: 9106- 9112, ISSN: 0011-9342.
46. Sanjeev Kumar, Anjan Kumar Baral, “**Comparative Study & Critical Analysis of Different Inkjet Printheads in Relation to their Print Performance Parameters**”, International Journal of Mechanical Engineering, Vol. 7 No. 3 March, 2022, pp: 115-128 (ISSN: 0974-5823).

Technical publications

1. K. Baral, “**Offset Press: Within Budget**”, Media India, Vol.1 No.1, page, 54-60, April 1998.
2. A. K. Baral, “**Career in Printing Technology**”, Employment News, Vol. XXV No.28, page,1 & 64, October 2000
3. A. K. Baral, “**Status of Printing Education in India**”, Print & Publishing, page, 08-09, April 2001.
4. A. K. Baral, “**Knowledge Society & Printing**”, Challenges in Higher Education in India, National seminar organized by Department of Environment Science & Engineering, G.J.U. Hisar, page, 243-244, March 3-4, 2001.
5. A. K. Baral, “**Pre-treatment of Non-cellulose Printing substrates**”, Print Innovators, Vol. 01 No.01, P.15-17, June 2002.
6. A. K. Baral, “**Densitometers and their use in Graphic Arts Industries**”, Print Innovators, Vol. 02 No.01, P.3-15, June 2003.
7. A. K. Baral, “**Printing; From Craft/Art to Graphic Industry**”, Paper Mart, Vol. 05 No.18, P.13, 14&16, January 1-15, 2005.
8. A. K. Baral, “**Developments in Planography Process of Printing**”, Paper Mart, Vol. 06 No.04&05, P.24, 26&28, January 16-30, 2005.

9. A. K. Baral, “**Role of Print Managers in Quality Printing**”, Paper Mart, Vol. 06 No.06, P.09, P. 10&12, July 2005.
- 10.A. K. Baral, “**Offset Press Blankets**”, Paper Mart, Vol. 06 No.07, P.13, 14&16, August 2005.
- 11.A. K. Baral, “**Career in Graphic Arts Technology, Part-I**”, Employment News, Vol. XXXII No.17, P.1&64, 2007.
- 12.A. K. Baral, “**Career in Graphic Arts Technology, Part-II**”, Employment News, Vol. XXXII No.18, P.1, 2007.
- 13.A. K. Baral, “**Career Opportunities in Packaging Technology**”, Employment News, Vol. XXXII No.26, P.1&64, 2007.
- 14.A. K. Baral, “**Succeed with Time Management**”, Employment News, Vol. XXXII No.33, P.1&56, 2007.
- 15.A. K. Baral, “**E-learning and its Prospects**”, Employment News, Vol. XXXII No.49, P.1&64, 2008.
- 16.A. K. Baral, “**Environmental Protection**”, Punjab Print, Vol. 14, #3, May-June, 2008.
- 17.A. K. Baral, “**Secrets of Success**”, Employment News, Vol. XXXII No.49, December 13-19, P.1&64, 2008.
- 18.A. K. Baral, “**Role and Importance of Printing Technology**”, Endeavour, U.G.C. sponsored refresher course in IT at ASC, GJUS&T, Hisar from 21-01-2011 to 10-02-2011, page 49-50.
- 19.A. K. Baral, “**Importance of Green Printing**”, RIND Survey, March, 2011, Volume 32-Issue 3, page 20-22.
- 20.A. K. Baral, “**Productivity Maintenance for the Web Offset Printers**”, RIND Survey, May, 2011, Volume 32-Issue 5, page 26-30.

21. A. K. Baral, “**Dot Gain in Sheet Fed Offset Presses**”, Punjab Print, Jan-Feb. 2011, Volume 17-Issue1, page 17-19.
22. A. K. Baral, “**Web break prevention & diagnosis in web fed offset presses**”, RIND, August, 2011, Volume 32-Issue8, page 10-16.
23. A. K. Baral, “**Could 3D Printing Change the World?**”, Printing Times, ISSN-0970-8391, June, 2017, page 48-52.
24. Bijender, Ankit Boora, A. K. Baral, “**The Growth and Development of Indian Printing Industry in Recent Years**”, Print News, Issue 7, December (2017), pp: 23-28.
25. A. K. Baral, “**Critical Analysis and Study of Its Effect on Coated Papers Being Printed by Various Digital Printing Machines (both dry tonner and liquid tonner based)**”, “Print News”, Issue 7, December (2017), page 30-33.
26. A. K. Baral, “**Innovations and Future Prospects of Packaging**”, **Commemoration Volume**”, Mumbai Mudrak Sangh, February (2018), page 96-101.
27. A. K. Baral, “**Mottling & Its Effect on Coated Papers While Printed by Different Digital Printing System**”, Souvenir 2018, Jammu Printers Association, Jammu, page 4-7.

Study Material Developed

1. K. Baral, “**Paramparagat Mudran Pranaliya**”, Study material for Mass Communication, Vardhman Mahaveer Open University, Rajasthan.
2. A. K. Baral, “**Desk Top Publishing**”, Study material for MMJC, Kota Open University, Rajasthan.
3. A. K. Baral, “**Mudran Pranaliya**”, Study material for MMJC, Kota Open University, Rajasthan.

4. A. K. Baral, “**Hand Composition**”, Study material for MMC, Guru Jambheshwar University, Hisar.
5. A. K. Baral, “**Printing Processes**”, Study material for MMC, Kurukshetra University, Kurukshetra.

Expert Lectures Delivered

1. “**Printing of Paper and Board**” at Indian Institute Paper Technology, Saharanpur, U.P. on 17-11-2000.
2. “**Printing of Paper and Boards**” at Indian Institute Paper Technology, Saharanpur, U.P. on 31-01-2002.
3. “**Basics of Printing Technology and relevance to Paper Characteristics**” at Star Paper mills, Saharanpur, Utter Pradesh on 21-11-2003.
4. “**Role of Print Manager in Quality Printing**” as a technical speaker at Kerala Master Printers Association technical seminar at Ernakulam, Kerala on 31-11-2003.
5. “**Printing Technology; Concept and application**” at Malviya National Institute of Technology, Jaipur, Rajasthan, on 13-04-2007.
6. “**Systematic work for maintaining quality and productivity in packaging unit**” at Baddi Print Pack Pvt. Ltd., Unit-III, Baddi, Himachal Pradesh on 28-06-2007.
7. “**Time management, work flow management, and TQM; concept and their applications in printing and packaging establishments**” at Baddi Print Pack Pvt. Ltd., Unit-I, Baddi, Himachal Pradesh on 29-06-2007.
8. “**Motivating workforce in printing and packaging organization**” at Baddi Print Pack Pvt. Ltd., Unit-I & III, Baddi, Himachal Pradesh on 02-05-2008.

9. Delivered lecture on “**Sheet Fed Offset Technology**” at the Department of Printing Technology, Somany Institute of Technology & Management, Rewari, Haryana on 19-11-2010.
10. Delivered lecture on “**Printing Technology**” at Thapar Centre for Industrial Research & Development, Yamunanagar, Haryana on 26-07-2010.
11. Delivered lecture on “**Printing Paper**” at Thapar Centre for Industrial Research & Development, Yamunanagar, Haryana on 26-07-2010.
12. Speaker at the International Conference PackAge -2010, on 02-12-2010, Pragati Maidan, New Delhi.
13. Delivered expert lecture on “**E-publishing**” at the Technical Seminar organized by Jammu Printers Association on 19-11-2011 at Jammu.
14. Delivered two lectures on “**Time Management**” at the UGC-Academic Staff College, GJUS&T, Hisar, on 03-07-2014 in Orientation Programme-19.
15. As a resource person presented an expert lecture on “**Understanding Basics of Packaging & its Importance**” at the MSME-DI, Sant Nagar, Srinagar, on 15-11-2014.
16. Conducted a technical session on “**Productivity Optimization in Printing Industry**” at RIPTAA, Kolkata, West Bengal, annual meeting on 15-08-2015.
17. As a resource person presented an expert lecture on “**Steps for Leading a Successful Life**” at the Workshop on “Leadership & Team Building” on 19-11-2015 organized by Rajiv Gandhi National Institute of Youth Development, Chandigarh.
18. As a resource person presented an expert lecture on “**Role & Importance of Hybrid Printing**” at two days 15th CESS Training Program on “Printing & Surface Properties Evaluation of Paper” at Central Pulp & Paper Research Institute, Saharanpur on 19-01-2016.

19. Delivered one expert lecture on “**Effective Teaching Strategies**” at the UGC-Human Resource Development Center, GJUS&T, Hisar, on 09-11-2016 in one week workshop on “Effective Teaching, Research & Methodology.
20. As a resource person presented an expert lecture on “**New Horizons of Digital Printing**” at the technical seminar organized during “Inter Print Expo India by OPA, Ludhiana on 19-11-2016 at Chandigarh.
21. Delivered one expert lecture on “**Steps for Leading a Successful Life**” at the UGC-Human Resource Development Center, GJUS&T, Hisar, on 07-12-2016 in one week workshop on “Orientation Programme-25”.
22. Delivered one expert lecture on “**Research Process**” at the UGC-Human Resource Development Center, GJUS&T, Hisar, on 08-12-2016 in Refresher Course on “Research Methodology”.
23. Delivered one expert lecture on “**Role & Importance of Qualitative Research**” at the UGC-Human Resource Development Center, GJUS&T, Hisar on 08-12-2016 in Refresher Course on “Research Methodology”.
24. As a resource person presented an expert lecture on “**New Horizons of Packaging Design**” at the NPES Print Business Outlook Conference, 2017” organized by the Association for Suppliers of Printing, Publishing and Converting Technologies, on 05-02-2017.
25. As a resource person presented an expert lecture on “**New Age Packaging Design**” at the National Conference on “Printing for Packaging: A Multi-dimensional Approach”” organized by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra, on 14-02-2017.
26. As a resource person presented an expert lecture on “**Changing the World with 3D Printing**” at the Conference on “3D Printing” organized by PHD Chamber of Commerce and Industries, New Delhi on 22-02-2017.

27. As a resource person presented an expert lecture on “**Printing Future**” at the Conference on “Romancing Print” organized by AIFMP (Pathankot Printers Association, Pathankot), on 26-02-2017.
28. As a resource person presented an expert lecture on “**Printing Future**” at the National Conference on “Food Processing India” organized by Department of Food Technology, GJUS&T, Hisar on, 04-03-2017.
29. Delivered two expert lectures on “**Technological Developments and its Impact on Environment**” at the UGC-Human Resource Development Center, GJUS&T, Hisar on 31-05-2017 in Refresher Course on “Environment”.
30. As a keynote speaker delivered a lecture on “**Future Aspects of Printing & Packaging**” to the members of Amritsar Offset Printers’ Association, Amritsar on 29-10-2017.
31. As a keynote speaker delivered a lecture on “**Futuristic Printing**” to the members of Jammu Printers’ Association, Jammu on 29-10-2017.
32. As a keynote speaker delivered a lecture on “**Next Generation Printing Systems**” to the members of Lucknow Printers’ Association, Lucknow on 18-11-2017.
33. As a resource person delivered a lecture on “**Recent Innovations in Package Design & Intelligent Packaging**” during two days’ Workshop on Export Procedure & Documentation for Food & Allied Product Manufacturing MSMEs, organized by MSME Development Institute-Ludhiana on 22-11-2017.
34. Delivered an invited lecture on “**Recent Innovations in Gravure Printing System**” at Department of Printing & Packaging Technology, Central University of Haryana, Mahendergarh, on 10-05-2018.

35. Delivered an invited lecture on “**Recent Innovations in Packaging Design**” at RIPTA Odisha Technical Seminar, Bhubaneswar, Odisha on 17-06-2018.
36. As a resource person delivered expert lecture on “**Role and Importance of Assessment and Evaluation in the Teaching and Learning Process**” at Faculty Induction Program, Central University of Haryana, Mahendergarh, on 07-07-2018.
37. As a resource person delivered expert lecture on “**Cellulose Technology**” to the School of Engineering, Central University of Haryana, Mahendergarh, on 21-08-2018.
38. As a resource person delivered expert lecture on “**Technological Developments & their Impact on Human Beings**” to the Induction Programme for the First-year students of DCRUST, Murthal, Haryana and its affiliated colleges, Haryana, on 31-08-2018.
39. As a resource person delivered a lecture on “**Latest Trends in Packaging & its Importance**” during two days’ Workshop on Export Procedure & Documentation for Food & Allied Product Manufacturing MSMEs, organized by MSME Development Institute-Ludhiana on 05-10-2018.
40. Acted as a Moderator in the Technical Session of Research presentations during AICTE sponsored **8th Manipal Media Congress 2020 (MMC2020)**, two days National Conference hosted by Department of Media Technology, Manipal Institute of Technology, MAHE, Manipal, held on 3rd & 4th February, 2020.
41. Presented a paper titled, “**Modelling of Cellulosic Substrates Related to Runnability & Printability issues in Dry Toner based Digital Printing Techniques**”, in the Technical Session of Research presentations during AICTE sponsored **8th Manipal Media Congress 2020 (MMC2020)**, two days

- National Conference hosted by Department of Media Technology, Manipal Institute of Technology, MAHE, Manipal, held on 3rd & 4th February, 2020.
42. Presented a paper titled, “**Analysis & Evaluation of Print Sharpness by using Sheetfed Offset Process & Digital Printing Presses**”, in the Technical Session of Research presentations during AICTE sponsored 8th Manipal Media Congress 2020 (MMC2020), two days National Conference hosted by Department of Media Technology, Manipal Institute of Technology, MAHE, Manipal, held on 3rd & 4th February, 2020.
43. Presented a paper titled, “**Printing Industry in India, Present & Road Ahead**”, in the Technical Session of Research presentations during AICTE sponsored 8th Manipal Media Congress 2020 (MMC2020), two days National Conference hosted by Department of Media Technology, Manipal Institute of Technology, MAHE, Manipal, held on 3rd & 4th February, 2020.
44. Presented a paper titled, “**Print Quality Analysis of Inkjet Printheads: A review**”, in the Technical Session of Research presentations during AICTE sponsored 8th Manipal Media Congress 2020 (MMC2020), two days National Conference hosted by Department of Media Technology, Manipal Institute of Technology, MAHE, Manipal, held on 3rd & 4th February, 2020.
45. As a resource person delivered an expert talk in the webinar, “**Will Digital Grow More Due to COVID-19**” being organized by OPA, on 17.04.2020.
46. As a resource person delivered an expert talk in the webinar, “**Lockdown: Upskill your Knowledge- It’s time to Draft & Craft**”, being organized by OPA, on 19.04.2020.
47. As a resource person delivered an expert talk in the webinar, “**Career Progression Opportunities in Printing & Packaging Industry**” being organized by OPA, on 22.04.2020.

48. As a resource person delivered an expert talk in the webinar, “**Current Scenario & Scope for Growth of Indian Printing Industry**” being organized by OPA, on 23.04.2020.
49. Acted as a Moderator in the webinar, “**Financial Management & MSME Schemes during and after Lockdown**”, being organized by OPA, on 24.04.2020.
50. Acted as a Moderator in the webinar, “**Lockdown-Care of Plant, Machinery and Materials**”, being organized by OPA, on 25.04.2020.
51. Acted as a Moderator in the webinar, “**Printing Press of Tomorrow (Role of TG in Productivity & Sustainability of Printing Industry)**”, being organized by OPA, on 26.04.2020.
52. Acted as a Moderator in the webinar, “**Innovation is the key for the Survival-Post Lockdown**”, being organized by OPA, on 03.05.2020.
53. Acted as a Moderator in the webinar, “**Print Matters for the Future**”, being organized by OPA, on 07.05.2020.
54. Acted as a Moderator in the webinar, “**Time to Refine the Current Print Business Models**”, being organized by OPA, on 10.05.2020.
55. Acted as a Moderator in the webinar, “**Prediction for PRINT-ON-DEMAND SEGMENT**”, being organized by All India Federation of Master Printers, in association with Guru Jambheshwar University of Science & Technology Hisar-125001, Haryana, on 06.06.2021.
56. Acted as a Moderator in the webinar, “**VALUE ADDITION – THE KEY TO SUCCESS**”, being organized by All India Federation of Master Printers, in association with Guru Jambheshwar University of Science & Technology Hisar-125001, Haryana, on 12.06.2021.

57. Acted as a Moderator in the webinar, “**3 D Printing**”, being organized by All India Federation of Master Printers, in association with Guru Jambheshwar University of Science & Technology Hisar-125001, Haryana, on 12.07.2021.
58. As a resource person delivered a lecture on “**Print is Alive**”, at All India Printing, Photography & Multimedia Technologists’ Association (IPPAMTA) & Kolkata Printing, Photography & Multimedia Technologists’ Welfare Association on their virtual Seminar of the IPPAMTA SPEAKS’s Yearly celebration on 14-08-2021.
59. Acted as a Moderator in the webinar, “**SUPPLY CHAIN MANAGEMENT IN PRINTING INDUSTRY**”, being organized by All India Federation of Master Printers, in association with Guru Jambheshwar University of Science & Technology Hisar-125001, Haryana, on 29.08.2021.
60. Acted as a Moderator in the webinar, “**Acknowledging the Roots**”, being organized by All India Federation of Master Printers, in association with Guru Jambheshwar University of Science & Technology Hisar-125001, Haryana, on 05.09.2021.
61. As a resource person delivered a lecture on “**Printing Technologies for Intelligent Packaging Applications**”, in the webinar, “Recent Trends in Printing & Packaging Technology”, organized by Department of Printing & Packaging Technology, School of Engineering & Technology, Central University of Haryana, Mahendergarh, Haryana, on 14-08-2021.
62. As a resource person delivered expert lecture on “**Recent Developments in the areas of Printing and Packaging Technology**” to the students of Department of printing & Packaging Technology, School of Engineering, Central University of Haryana, Mahendergarh, on 29-09-2021.

63. As a resource person delivered two hours expert lecture on “**Technological Developments**” to the students of the newly admitted engineering students during the induction program, School of Engineering, Central University of Haryana, Mahendergarh, on 17-12-2021.
64. As a resource person conducted one day workshop on “**Standardization in Printing & Packaging Technology**” Department of Printing & Packaging Technology, School of Engineering, Central University of Haryana, Mahendergarh, on 12-03-2022.
65. As a resource person delivered expert lecture on “**Sustainable Printing & Packaging Technology**” during the one-day workshop on, Futuristics Aspects of Printing & Packaging Technology, Department of printing & Packaging Technology, School of Engineering, Central University of Haryana, Mahendergarh, on 04-05-2022.
66. As a resource person delivered expert lecture on “**Green Printing & Packaging Solutions**” to the members of Yamuna Nagar Offset Printer Association, Haryana on 22-05-2022.
67. As a resource person delivered expert lecture on, “Sustainable Packaging Techniques”, Colormann Pvt. Ltd., New Delhi on 15-06-22.
68. As a resource person delivered expert lecture on international webinar on “Rethinking Printing & Packaging”, on the topic “**Future Trends of Packaging**” organized by SLAP & AIFMP, on 23-07-2022.
69. As a resource person conducted a technical session on “**Printing in the Age of Digital Communication**” to the Masters of Packaging students, Indian Institute of Packaging, New Delhi, on 18-08-2022.

Course and Training Attended

▪ Orientation/Refresher courses

1. **U.G.C. sponsored Refresher course** in, “Mass Communication”, Department of Communication Management and Technology, Guru Jambheshwar University, Hisar from 08-05-2001 to 29-05-2001.
2. **U.G.C. sponsored Orientation course** from 07-06-2004 to 03-07-2004 at Academic Staff College, Kurukshetra University, Kurukshetra with “A” grade.
3. **U.G.C. sponsored Refresher course** in “**Engineering Sciences**” at Academic Staff College, GJUS&T, Hisar from 21-12-2009 to 09-01-2010.
4. **U.G.C. sponsored Refresher course** in “**Information Technology**” at Academic Staff College, GJUS&T, Hisar from 21-01-2011 to 10-02-2011.
5. **U.G.C. sponsored Refresher course** in “**Research Methodology**” at Academic Staff College, GJUS&T, Hisar from 20-09-2011 to 10-10-2011.

▪ FDP

1. Ministry of HRD, Govt. of India & AICTE, New Delhi sponsored Faculty Development Programme on “**Entrepreneurship and Innovation**” from 22-12-2008 to 03-01-2009 at Motilal Nehru National Institute of Technology, Allahabad.

▪ Training [International]

1. Training on “**Packaging Technology**” from 02-03-2009 to 16-03-2009 at Glasgow Metropolitan College, Glasgow, Scotland, United Kingdom, under TEQIP, World Bank.
2. International Training on “**Quality Control in Sheet Fed Offset Printing**” at School of Printing & Packaging, Beijing Institute of Graphic Communication, Beijing, China from 21-11-13 to 29-11-2013.

▪ Training [National]

1. Training on “**Personality development**” from Institute of Human Potential and Development, Pune Chapter, Pune (August to September, 1994).
2. Training on “**Modern Aspects of Printing Technology**” at International Print-O-Pac, Noida from 21-12-2006 to 05-01-2007, sponsored by TEQIP, World Bank.

3. Training on “**Workflow and its effectiveness in offset and packaging organizations**” at Baddi Print Pack Pvt. Ltd., Baddi, Himachal Pradesh, from 15-06-2007 to 30-06-2007, sponsored by TEQIP, World Bank.
4. Training on “**Quality Control in Sheet Fed Offset Press**” at Dora Offset Printers, Hisar, Haryana from 01-06-2008 to 28-06-2008.
5. Training course on “**Advancement in Networking Research**” from 06-12-2008 to 13-12-2008 at Department of Computer Science & Technology, GJUS&T, Hisar.
6. Training on “**Print Specialist Teachers**” from Sept.25-27, 2012 at Department of Printing Technology, Anna University, Chennai by Print Promotion, Germany.
7. Workshop on “**Disaster Management**” from 14-02-2013 to 16-02-2014 at ASC, GJUS&T, Hisar.
8. Training on “**Paper Testing Equipment**” organized by Department of Printing Technology, GJUS&T, Hisar on 31-03-2013.
9. Training on “**Paper & Ink Testing Instruments**” organized by Department of Printing Technology, GJUS&T, Hisar on 30-09-2013.

Conference/ Seminar/Workshop/Webinar conducted

▪ International Conference

1. Two days first ever **International Research Conference** on “**21st Century Printing**” organized by Department of Printing Technology, GJUS&T, Hisar, on 24, 25-02-2015 and acted as the **Conference Director**.

▪ National Conference/Seminar/Workshop

1. Workshop on “**New Horizons in Printing Technology**” organized by Department of Printing Technology, Hisar on 30-03-2002, acted as **Organizing Secretary** of the Workshop.
2. One day seminar on “**Career prospects in Printing & Packaging Technology**” being organized by Department of Printing Technology, GJUS&T, Hisar on 14-05-2009, acted as **Organizing Secretary**.

3. One day National seminar on “**Recent Developments in Package Printing**” being organized by Department of Printing Technology, GJUS&T, Hisar on 21-12-2009, acted as **Organizing Secretary**.
4. One day National Workshop on “**Recent Trends in Engineering & Technology (RTET-11)**” Organized by Faculty of Engineering & Technology, GJUS&T, Hisar on 15-03-2011. Also acted as the **Organizing Secretary**.
5. National Conference on “**Modern Trends in Packaging Technology**”, Organized by Department of Printing Technology, GJUS&T, Hisar on 22-03-2012, acted as **Organizing Secretary**.
6. One day workshop on “**Emerging Trends in Digital Printing**” organized by Department of Printing Technology, GJUS&T, Hisar on 27-09-2013, funded by TEQIP-II. Acted as Workshop Coordinator.
7. Two days National Conference on “**Print Quality of Sheet Fed Offset & Digital Printing Technologies**” organized by Department of Printing Technology, GJUS&T, Hisar on 26, 27-02-2014 and acted as the **Conference Coordinator**.
8. Two days National Conference on “**Uniform Syllabus Development for Diploma & Bachelor Programme in Printing Technology**” organized by Department of Printing Technology under the aegis of AIFMP, New Delhi, GJUS&T, Hisar on 26, 27-07-2014 and acted as the **Conference Coordinator**.
9. One day seminar on, “**Career Opportunities in Printing & Packaging Technology**” on **04-09-2014** organized by Training & Placement Cell, GJUS&T, Hisar on 04-09-2014.

10. One day seminar on "**University-Industry Linkage Programme in Printing & Packaging Technology**" organized by Department of Printing Technology, GJUS&T, Hisar on 24-11-2014. Acted as **Seminar Director**.
11. One day National Seminar on "**Print Entrepreneurship**" organized by Department of Printing Technology, GJUS&T, Hisar on 06-10-2015 and acted as the **Seminar Director**.
12. First ever National Conference "**Print Olympiad**" organized by Department of Printing Technology, GJUS&T, Hisar, under the aegis of AIFMP, New Delhi, GJUS&T, Hisar on 13-03-2016 and acted as the **Conference Director**.

▪ **Webinars conducted**

1. Webinar Chair in the webinar, "**Redefining Printing in the Post Covid-19 Era**", being organized by Department of Printing Technology, Guru Jambheshwar University of Science & Technology Hisar-125001, Haryana, on 22.12.2020.
2. Webinar Chair in the webinar, "**Future Printing**", being organized by Department of Printing Technology Guru Jambheshwar University of Science & Technology Hisar-125001, Haryana, on 22.02.2021.
3. Webinar Chair in the webinar, "**Productivity Optimization in Printing Industry**", being organized by Department of Printing Technology Guru Jambheshwar University of Science & Technology Hisar-125001, Haryana, on 27.03.2021.
4. Webinar Chair in the webinar, "**Industry 4.0: The Smart Print Factory**", being organized by Department of Printing Technology Guru

Jambheshwar University of Science & Technology Hisar-125001,
Haryana, on 24.04.2021.

Conference/Seminar/Workshop attended

1. Seminar on “**Emerging Trends in Mass Communication**” at Guru Jambheshwar University, Hisar, May 08-09, 1998.
2. International Conference and EXPO on “**Screen Printing**” organized by Screen Printers Association of India at Mumbai on September, 1998.
3. Seminar on “**Emerging trends in Printing Technology**”, Department of Printing Technology, Guru Jambheshwar University, Hisar, 30-11-1999.
4. Seminar on “**Trade Related Intellectual Property Rights; concepts and applications**” at Guru Jambheshwar University, Hisar, 12-13 November, 1999.
5. Seminar on “**Quality Assurance in Distance Open Learning**” at Guru Jambheshwar University, Hisar, February, 2002.
6. Visited “**Sign Today, 2003**” at Pragati Maidan on 22-03-2003.
7. 31st**All India Master Printers Conference**, organized by All India Federation of Master Printers Association at Pragati Maidan, New Delhi from January 20-21, 2005.
8. **FESPA WORLD EXPO India 05** at Pragati Maidan, New Delhi from 01-04 December, 2005.
9. **Paporex 2005** (7th International Trade Fair & Conference on Pulp, Paper & Converting Industry) at Pragati Maidan, New Delhi, December 03-06, 2005.

10. International **SIGN & P.O.P. Expo**, 2005 at Pragati Maidan, New Delhi on 03-05 December, 2005.
11. International Conference on “**Screen Printing**” organized by Screen Printers association of India at Pragati maidan, new Delhi on 04-12-2005.
12. Two days’ workshop on “**Academic Exchange Programme**” organized by Malviya National Institute of Technology, Jaipur, Rajasthan on 12-04-2007 to 13-04-2007.
13. International conference on “**Packaging Technology**” organized by Indian Packaging at Pragati Maidan, New Delhi on 23-08-2007.
14. Visited following institutions under “**Academic Networking**” of T.E.Q.I.P. World Bank from 23-09-2007 to 30-09-2007;
 - Srinidhi College of Engineering, Hyderabad.
 - Jawaharlal Nehru Technical University, Hyderabad.
 - M. S. Ramaiah College of Engineering, Bangalore.
 - Indian Institute of Science, Bangalore.
 - Madras Institute of Technology, Chennai.
 - College of Engineering, Anna University, Chennai.
15. National workshop on “**e-waste management**” organized by Department of Environment Science and Engineering, G.J.U.S&T, Hisar on 25-10-2007.
16. National workshop on “**Nuclear Energy and Environment**” organized by Department of Environmental Science & Engineering, G.J.U.S & T., hisar on 15-12-2007.
17. Workshop on “**Communicating Communication Skills**” organized by Deenbandhu Chhotu Ram University of Science and Technology,

- Murthal, Haryana under Technical Education Quality Improvement Programme (TEQIP) on 09-04-2008.
18. Workshop on “**Patrakarita Ka Vartman Paridrushya**” organized by Department of C.M&T, Hisar and Dainik Bhaskar on 10-05-2008.
 19. **Sixteenth National Symposium on Environment (NSE 16)** organized by Department of Environment Science & Engineering and Health, Safety 7 Environment Group, BARC, Mumbai from July 16-18, 2008.
 20. International conference on “**Improving Efficiencies with Technology & Innovations**”, organized by Pack Age, 2008, India Packaging Show, New Delhi from 8-9 August, 2008.
 21. Participation and presentation the paper entitled, “Print Quality of Sheet Fed Offset & Digital Printing Technologies”, two days’ workshop on “**Paper Quality and Printing Processes**”, organized by IPPTA, Saharanpur, U.P. from 23-24 October, 2008.
 22. Two days national seminar on “**Emerging Trends in Mass Media**” organized by the Department of Communication Management & Technology, GJUS&T, Hisar from 17-18 February, 2009.
 23. One day workshop on “**Career prospects for Engineering Students in Today’s Scenario**” being organized by Training & Placement Cell, GJUS&T, Hisar on 25-04-2009.
 24. Represented university at Pragati Maidan, New Delhi from 30-05-2009 to 31-05-2009, on “**Career Prospects**” being organized by ASSOCHAM.
 25. Participated one day **IUAC** (Inter University Accelerator Centre, New Delhi) Programme on Accelerator Based Science and Technology, GJUST, Hisar, on 23-10-2009.

26. Participated and presented the paper entitled, “Development in Digital Printing”, during day workshop on “**Printing and packaging: The fastest growing industry**” organized by Institute of Mass Communication and Media Technology. Kurukshetra University and North India Printers Association on 24-02-2010.
27. National conference on “**Role and applications of ICT in accessible areas (RAICTIA-10)**” being organized by Department of Computer Science & Engineering, GJUS&T, Hisar on 17-18 February, 2010.
28. Participated one day national workshop on “**Recent Trends in Engineering and Technology**” being organized by Faculty of Engineering & Technology, GJUS&T, Hisar on 06-03-2010.
29. Participated and presented the paper entitled, “Role of Digital Printing in Packaging”, during one day national workshop on “**Career Opportunities in Packaging Technology**” being organized by Department of Printing Technology, GJUS&T, Hisar on 09-09-2010.
30. Participated one day seminar on “**Application of Rheometer in Printing Inks**” being organized by Anton Paar India Pvt. Ltd., Gurgaon on 29-10-2010.
31. Participated and presented the paper entitled, “Optimization of Flexo Printing Through Use of Anilox Rolls”, during one day International Conference on “**Packaging Trends**” being organized by Department of Printing Technology, GJUS&T, Hisar on 02-12-2010.
32. Participated, “**Print Symposium-Romancing Print**”, being organized by All India Federation of Master Printers (AIFMP), New Delhi on 25-02-2011.

33. One day National Workshop on “**Chemistry in Our Lives**” Organized by Department of Chemistry, GJUS&T, Hisar on 14-03-2011.
34. One day National Workshop on “**Computational Mathematics**” Organized by Department of Mathematics, GJUS&T, Hisar on 26-03-2011.
35. UGC Sponsored one day National Workshop on “**Trends in Media Writing**” Organized by Department of Advertising Management & Public Relations, GJUS&T, Hisar on 28-03-2011.
36. One day National Workshop on “**Awareness to Save Mother Earth**” Organized by Department of Environment Science and Engineering, GJUS&T, Hisar on 22-04-2011.
37. Represented Department of Printing Technology, GJUS&T, Hisar at “**India + Digital 2011**”, National Exhibition held at Pragati Maidan, New Delhi from 13-05-2011 to 15-05-2011.
38. One day Workshop on “**Trends in Optical Coating for Head Up Display & High laser Damage Threshold**” Organized by Department of Physics, GJUS&T, Hisar on 27-06-2011.
39. One day National Workshop on “**Patent Awareness vis-à-vis Intellectual Property Rights**” Organized by Intellectual Property Rights and Technological Commercialization Cell, GJUS&T, Hisar on 09-08-2011.
40. Visited “**Pack Print International**” at Bangkok, Thailand from 31-08-2011 to 02-09-2011.
41. Attended First International Online Conference on Psychology and Allied Sciences on “**New Horizon in Social Sciences Research**” on 25-26 November, 2011, Organized by Indian Association of Health,

Research & Welfare and Center for Behavioral Research & Intervention, GJUS&T, Hisar.

42. Participated the Printers Conference, “**Romancing Print**”, being organized by All India Federation of Master Printers (AIFMP), New Delhi on 25-02-2012.
43. Participated and presented the paper entitled, “Printing Inks for Environmental Development”, during one day National Seminar on “**Environmental Degradation: Issues and Remedies**” Organized by Dayanand Postgraduate College, Hisar on 28-02-2012.
44. Participated and poster presentation the paper entitled, “Paper Manufacturing and its Impact on Environment” during one day National Seminar on “**Strategies for Mitigation of Environmental Degradation and Climate Change**” Organized by Department of Environment Science and Engineering, GJUS&T, Hisar on March, 2-3, 2012.
45. Attended one day National Workshop on “**Recent Trends in Engineering & Technology**” Organized by Dean, FET, GJUS&T, Hisar on 15-03-2012.
46. Participated and presented the paper entitled, “Ethical Issues of Print Media & Print Media Advertising”, UGC Sponsored National Seminar on “**Media Alteration: Mission, Profession & Corporatization**” Organized by Department of Advertising Management & Public Relations, GJUS&T, Hisar on 16 & 17-03-2012.
47. Attended National Conference on “**Role & Applications of ICT in Inaccessible Areas (RAICTIA-13) under UGC-SAP**”, organized by Department of CSE, GJUS&T, Hisar from March 5-6, 2013.

48. Attended National Workshop on “**Intellectual Property Rights & Technology Commercialization**”, organized by Intellectual Property Rights & Technology Commercialization Cell, GJUS&T, Hisar on March, 18th, 2013.
49. Attended one day Workshop on “**Upcoming Ideas and Opportunities**” Organized by Packaging Connections, Gurgaon on 19-07-2013.
50. Attended two days National Conference on “**Emerging Trends in Quality Education: The Road Ahead**” Organized by IQAC, GJUS&T, Hisar on 29-30 August, 2013.
51. Attended workshop on “**Quality Initiatives in Technical & Higher Educational Institutes (In compliance with NBA & NAAC Accreditation)**” organized by Engineering Staff College of India, Hyderabad under TEQIP-II from 22-24 October-2013.
52. Attended one day workshop on “**e-Gazette**” organized by Govt. of India Press, New Delhi on 14-12-2013.
53. Participated and presented the paper entitled, “**Packaging Design**”, the Asia Print & Pack Trends Round Table Seminar, 16-09-2015, during Sino Folding Carton exhibition, held at Dongguan, China, September 16-18, 2015.
54. Participated TEQIP-II sponsored, “**Syllabus Up-dation Workshop**”, organized by Department of Printing Technology, GJUS&T, Hisar, on 24-25 October, 2016.
55. Participated as a resource person, “**Digital Printing Workshop**”, Interprint Expo India, Offset Printers Association, Ludhiana on 19-11-2016.

56. Participated TEQIP-II sponsored National Workshop on “**Laser Techniques**” organized by Department of Physics, GJUS&T, Hisar, under the aegis of AIFMP, New Delhi, GJUS&T, Hisar on 02, 03-03-2017.
57. Participated National Workshop on, “**Printing & Packaging Industry in Context of Industry 4.0**” organized by Department of Printing Technology, GJUS&T, Hisar, under the aegis of AIFMP, New Delhi, GJUS&T, Hisar on 24-03-2017.
58. Participated the workshop, “**Outcome Based Education**” organized by Faculty of Engineering & Technology, GJUS&T, Hisar on 21-07-2017.
59. Participated first ever International Media Week and Conference organized by AIFMP, New Delhi on 04-08-2017.
60. Participated Fifth **Printer’s Conclave** organized by Lucknow Printer’s Association, Lucknow on 18-11-2017.
61. Participated and presented the paper entitled, “**Critical Analysis of Hue Error & Grayness on Various Grades of Paper when Printed by using Conventional Sheetfed Offset & Digital printing Machines**”, 7th Manipal Media Congress, 2017, MIT, “Technological Challenges and Sustainable Solutions in Print & Digital Media’, MAHE, Manipal, Karnataka on 15-12-2017.
62. Participated TEQIP-III National Workshop on “**Recent Trends in Engineering & Technology**” under Twinning Arrangement of TEQIP-III, GJUS&T, Hisar on February 27-28, 2018.
63. Participated and presented the paper entitled, “**Modelling of Cellulosic Substrates Related Runnability and Printability issues in Dry Toner Based Digital Printing Techniques**”, 8th Manipal Media

Congress, 2020, MIT, “Technological Challenges and Sustainable Solutions in Print & Digital Media’, MAHE, Manipal, Karnataka on 3rd and 4th February 2020.

64. Participated and presented the paper entitled, “**Analysis & Evaluation of Print Sharpness by using Sheetfed Offset Presses & Digital Printing Presses**”, 8th Manipal Media Congress, 2020, MIT, “Technological Challenges and Sustainable Solutions in Print & Digital Media’, MAHE, Manipal, Karnataka on 3rd and 4th February 2020.
65. Participated and presented the paper entitled, “**Printing Industry in India, Present & the Road Ahead**”, 8th Manipal Media Congress, 2020, MIT, “Technological Challenges and Sustainable Solutions in Print & Digital Media’, MAHE, Manipal, Karnataka on 3rd and 4th February 2020.
66. Participated and presented the paper entitled, “**Print Quality Analysis of Inkjet Printheads**”, 8th Manipal Media Congress, 2020, MIT, “Technological Challenges and Sustainable Solutions in Print & Digital Media’, MAHE, Manipal, Karnataka on 3rd and 4th February 2020.
67. Attended the **Print Business Outlook International Conference 2022** held on 28 May, 2022, India Expo Centre, Greater Noida in conjunction with PrintPack India 2022 exhibition, organized by Association for PRINT Technologies (formerly NPES), United States of America (U.S.A.).

Ph.D. Scholars Supervision

Registration Number	Name of Scholar	Topic of Research	B.O.S.	Academic Council
180030090006	Sanjeev Kumar	A comparative study on various print quality parameters of different inkjet heads	28.05.2018	15.09.2018
180030090007	Ankit Boora	Optimization of various print quality factors of continuous inkjet and drop-on-demand (piezoelectric based) production inkjet printing systems	28.05.2018	15.09.2018
180030090008	Bijender	Identification of print quality related problems and finding possible remedial measures in relation to the surface characteristics of cellulosic substrates used in dry toner based digital printing presses	28.05.2018	15.09.2018
180030090009	Sandeep Boora	Critical investigation of print quality related differences between various inkjet technologies (DOD, continuous inkjet) and their remedial measures for improving	28.05.2018	15.09.2018

		printability and runnability		
1800300900010	Abhishek Saini	An empirical study on factors affecting the adoption of digital print enhancement technology and its business challenges in photo and commercial segment in India	28.05.2018	15.09.2018
190030090001	Mohit Kumar	Printing industry in India from recent, past to future	21.01.2019	28.03.2019
190030090002	Manoj Kumar	Exploring various possibilities for enhancing the colour gamut of non-ISO substrates using digital print platform	21.01.2019	28.03.2019
190030090004	Shammi Mehra	A comparative analysis and study on productivity enhancement in sheet fed offset printing establishments through implementation of various technology adoption programs	21.01.2019	28.03.2019

M. Tech. Dissertation Supervision

Sl. No.	Name of the student	Topic	Date of submission
1	Vikas Jangra	Print Quality Comparison between Sheet-fed Offset and Digital Printing	23-07-2010
2	Vandana	Applications of Six Sigma in Printing Industry	23-07-2010
3	Sunil Arya	Relationship between Solid Ink Density and Dot Gain in Digital Printing (Liquid based).	23-07-2010
4	Sandeep Boora	Shelf-life analysis of curd cups	29-07-2010
5	Amaranand Soni	The pressure between the cylinders and its effect on Dot Gain in Digital Press (liquid based).	29-07-2010
6	Devender Godara	Trends in printing of packages of milk and milk products	04-08-2010
7	Sunil Kumar	Comparative study of conventional and UV sheet-fed offset inks	14-09-2010
8	Deepshikha Saini	Impact of graphics on the sales promotion of metal containers used for packaging of carbonated soft drinks: A case study of PepsiCo & Coca Cola.	16-09-2010
9	Narender Nain	Factors affecting the Solid Ink Density in sheet fed offset printing: A case study of Dinesh Print-O-Pack, Faridabad	20-09-2010

10	Hitesh Kumar	Production increase in Paperboard based packaging company	28-09-2010
11	Amit Jangra	Ink trapping in sheetfed offset printing machines	30-09-2010
12	Amit Chakravarti	Factors affecting the dot gain sheetfed offset printing; A case of Dinesh Print-O-Pack, Faridabad	04-01-2011
13	Bijender	Printing properties with precipitated calcium carbonate pigment in gloss grade coated paper	04-07-2011
14	Sandeep Kumar	Effects of talc on printability in matt grade coated paper	19-09-2011
15	Mohit Kumar	Effect of morphologically different coating pigments on coated paper quality	08-07-2012
16	Ravinder	Makeready optimization in sheet fed offset press (A case study of “Foil Printers”, Ludhiana)	19-07-2012
17	Nishant	Impact of base paper qualities on final coated paper quality and printability with sheetfed offset	20-07-2012
18	Harsha	Waste control & cost minimization by proper waste management; A case study of KUK press	08-11-2012
19	Sunil Kumar	Most common printing defects in sheetfed offset printing on various grades of printing paper	30-06-2014

20	Komal Sharma	Comparative analysis of paper properties and offset printability in grain direction and cross direction	14-08-2014
21	Sonia Rani	Quality control during laser cut rotogravure cylinder manufacturing processes	04-05-2015
22	Annu Rani	Lamination suitability for flexible packaging application	14-06-2015
23	Azad Singh	Technical skills fulfillment of B. tech. Printing Technology student to meet industrial requirement	21-07-2015
24	Monika Rani	Effect of different dot shapes of halftone on print quality based on dry toner electrophotography digital press	21-05-2019

(Prof. Dr. Anjan Kumar Baral)