ANNUAL REPORT-(2022-23) (01.07.2022 TO 30.06.2023) DEPARTMENT OF PRINTING TECHNOLOGY

(I) NAME

: Department of Printing Technology

(II) Year of Establishment

: 1996

- (II) (a) State the vision of the Department: To develop Guru Jambheshwar University of Science & Technology as a center of excellence for quality teaching & consultative research to produce competent technocrats and knowledge power house capable to support the growth of economy and welfare of society.
 - (b) State the mission of the Department: To facilitate and promote studies and research in emerging areas of higher education with focus on new frontiers of technology, Pharmacy, Environmental studies, non-conventional energy sources and Management studies and also to achieve excellence in these and connoted fields.
 - (c) State the objective of the Department: To transform this university into a globally recognized "Center of Excellence" for imparting technical education by providing:
 - Experienced and qualified faculty members.
 - Involving a process for admission of right potential candidates.
 - "State-of-the- art" lecture hall, Laboratories, Workshops & Library.
 - Personality Development through language labs.
 - Ethical educations,
 - Quality shorts facilities for physical development.

(IV) Programme (s) offered in the department

Programme (s)	Sanctioned intake	Procent stwamath (t. 1.1)
Ph.D.	U and the second	Present strength(total)
P.G		14
	20	7+5=12
U.G	60+-30	
Any other	00.30	264+73=337
		12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

(V) Faculty detail

(Attach a list of the Facultyalongwith their qualifications and Experiences)

	~	V	The state of the s	- Lapericitees
	Sanctioned	Direct filled	Under CAS	Remarks if any
Professor	02	00	02	The state of the s
Associate Professor	04		03	
Assistant Professor	10		07	4

(VI) Office/Tech. staff detail:

Title of Position	Sanctioned strength	In position strength
Dy. Suptd.	01	Nil
Technical Asstt.	0!	Nil
Assistant-cum-	01	01

(IX) Sponsored Research/ Consultancy Projects: Nil

Total no. of Projects in Progress during the academic current year	Total No. of Projects awarded during the academic current year Nil	Total No. of Projects Completed during the academic current year Nil
Nil	NII	

(b.) Title of the Project	Name of the Investigator(s)		Nature: Research/ Consultancy	Month &Year of award
	TOTAL	50		

X) Number of Publications of Faculty (in Total)=48

Books	Research pape	ers	Research p	aper	Other Articles
	SCI/Scopus	UGC Care	Refereed	Non refereed	
	45	03			

(XI) Faculty wise detail of publication during the academic year: a) Books/Book Chapters/ Monograph etc. Nil

				Publishers
Authors	Title	Year of publication	Type of books (Text/Reference/Report)	-
	-	publication		

b) Research Papers/ Articles in Journals

Sr.No	Authors	Year	Title of paper	Name of journal	Vol.& No.	Pages	Scopus (Y/N)	Factor Thomson Reuter
1	Sh. Anjan Kumar Baral	Nov 2022	Comparative study of different inkjet Printhead performance in context to Dot Gain on gloss Coated surface using Taguchi's Grey Relational Analysis.	NeuroQuantolog y	Vol. 20 Issue 18	545- 559	YES	

6	Sh. Anjan	2022	"Correlation of Various	JOURNAL OF NORTHEASTERN	Volume 25 Issue	709- 714	YES	
	Kumar Baral		Attributes of Print Substrates and Dry Electrophotogra phic (DEP) Print Engines for Possible Reduction of Print Defects with Special Reference to Substrate Runnability",	UNIVERSITY (ISSN: 1005-3026).	04	714		
7	Sh. Anjan Kumar Baral	2022	Optimization of Colour Gamut in Various Electrophotogra phic Presses (Dry Toner) While Printing on Different Cellulosic Substrates"	JOURNAL OF NORTHEASTERN UNIVERSITY (ISSN: 1005-3026).	Volume 25, Issue 04	703- 708	YES	
8	Sh. Anjan Kumar Baral	2022	"A Review of Various Print Quality Related Factors in Drop- On-Demand (DOD) and Continuous Inkjet (CIJ) Printing",	International Journal of Statistics and Reliability Engineering	Vol. 9(3),	541- 548		
9	Sh. Anjan Kumar Baral	2022	"Study of Surface Characteristics of Coated and Uncoated Paper Substrates and Their Impact on Ink Drying Ability and Runnability in Inkjet Print Engines (PIJ, TIJ)"	JOURNAL OF NORTHEASTERN UNIVERSITY (ISSN: 1005-3026)	Volume 25, Issue 04	5023- 5034	YES	
10	Sh. Anjan Kumar Baral	2023	"Deformation of Dots on Flexography Plates and its Impact on Final Print Quality",	Journal of the Maharaja Sayajirao University of Baroda ISSN: 0025-0422.	Volume- 57, No.1(IV)	28-34		

15	Sh.	2023	"Critical	JOURNAL OF	12	1617-	YES	
	Anjan Kumar Baral		Analysis of Printability of Different Types of Paper Substrates while printed with Piezoelectric and Thermal Inkjet Presses",	SOUTHWEST JIAOTONG UNIVERSITY (ISSN: 0258-2724).	(Issue 8),	1634		
16	Sh. Anjan Kumar Baral	March (2023)	"Comparative Study and Critical Analysis of Print Sharpness and Print Consistency in Continuous Inkjet (CIJ) and DoD Inkjet (PIJ, TIJ) through Standard Observer Method",	JOURNAL OF SOUTHWEST JIAOTONG UNIVERSITY (ISSN: 0258-2724).	Vol 58, No 1	1326- 1339	YES	
17	Sh. Anjan Kumar Baral	March (2023)	"Unravelling the Tapestry of Growth: An Analysis of the Factors Influencing Consumer Trends, Technological Advancements, Government Initiatives, and Globalization in the Label Printing Industry in India",	JOURNAL OF SOUTHWEST JIACTONG UNIVERSITY (ISSN: 0258-2724).	Vol 58, No 1	1534- 1544	YES	
18	Sh. Anjan Kumar Baral	March (2023)	"Critical Analysis of Various Components of Colour Gamut of Liquid Toner Based Digital Printing Machine",	JOURNAL OF SOUTHWEST JIAOTONG UNIVERSITY (ISSN: 0258-2724).	Vol 58, No 1	1150- 1150	YES	

24	Sh.	2023,	"Minimizing the Paper Wastage	Eur. Chem. Bull. (ISSN: 2063-5346).	12(Special Issue 4)	19455– 19468	YES	3.71
	Anjan Kumar Baral		in Multi-colour Sheet-Fed Offset Printing Presses through Use of Varying Degrees of Press Automation",		Second Se			
25	Sh. Pankaj Kumar	2023	"Study of Printability of Bio-based Plastic in Gravure Printing", European Chemical Bulletin	Eur. Chem. Bull. (ISSN: 2063-5346).	12(Special Issue 4)	13399- 13405	YES	3.71
26	Sh. Pankaj Kumar	2023	"Comparative analysis of Solid Ink Density on Conventional	Eur. Chem. Bull. (ISSN: 2063-5346).	12(Special Issue 4)	13473- 13480	YES	3.71
			and Bio-based plastics using Gravire Process", European Chemical Bulletin,					
27	Mrs. Vandana	Dec. 2022	Comparative Analysis of Dot Gain of Hybrid Modulated (XM) & Digitally Modulated (DM) Screening on Learning Grades Comparative Analysis of Dot	Journal of Northeastern University ISSN:1005-3026)		1005- 3026	YES	
28	Mrs. Vandana	Dec.202 2	"Comparative Analysis of Dot Gain of Amplitude Modulated (AM), Frequency Modulated (FM), Hybrid Modulated (XM) and Digitally Modulated (DM) Screening of			0970- 2555	NO	
			Multicolor Offset Printing Process				NO	
29	Sh. Mohit Kumar	June 2023	Optimum consumption of different printing substrates for gravure printing process.				NO	

34	Sh. Bijender	2023	"Comparative Print Defects	European Chemical Bulletin	Vol. 12	YES	3.71
	-		Analysis of Liquid Electro-		Issue 7		
			Photography				
			(LEP) and Dry Electrophotogra phy (DEP) Presses on Cellulosic Substrates"				
35	Sh. Bijender	2023	Replacing Existing Packaging	Erropean Chemical Balletin	Vol. 12 Issue 6	YES	3.71
		1 230	Materials with Mono-Material Polypropylene Based Packaging Substitutes".	Additional constitution of the second			
36	Sh. Bijender	2023	Analysis of GSM Deviation on White- Opaque Poly & White-Special	European Chemical Bulletin	Vol. 12 Issuel I	YES	3.71
			Opaque Poly Raw Materials"		ASTRUMENT OF THE SECOND		
37	Sh. Bijender	2023	Comparative Analysis of Machine Downtime for Biaxially Oriented Polypropylene Films during	European Chemical Bulletin	Vol. i2 Issuel l	YES	3.71
38	Sh. Ankit	2023	Manufacturing Replacing Existing Packaging	European Chemical Bulletin,	Vol. 12 Issue06	YES	3.71
			Materials with Mono-Material Polypropylene Based Packaging Substitutes",.				
39	Sh. Ankit	2023	Analysis of GSM Deviation on White- Opaque Poly & White-Special Opaque Poly Raw Materials-	European Chemical Bulletin,	Vol. 12 Issue11	YES	3.71

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45	Sh.	Dec.	Comparative	Journal of	T	1005-	VEC	7
	Ambrish Pandey	2022	Analysis of Dot Gain of Hybrid Modulated(XM) & Digitally Modulated(DM) Screening on Different Grades of Paper"	Northeastern University ISSN:1005-3026)	No.	3026	YES	
46	Sh. Ambrish Pandey	Dec.20 22	"Comparative Analysis of Dot Gain of Amplitude Modulated (AM), Frequency Modulated (FM), Hybrid Modulated (XM) and Digitally Modulated (DM) Screening of Multicolour Offset Printing Process"	Industrial Engineering Journal,ISSN:0970- 2555)		0970- 2555	NO	
47	Sh. Ambrish Pandey	2023	"Hue difference on Super Print substrate: Study of various Digital Printing Methodologies"	Eur. Chem. Bull. (ISSN: 2063-5346).	12(Special Issue 4)	8662- 8668	YES	3.71
48	Sh. Ambrish Pandey	2023	, "Evaluation of Print Consistency content ating Cilour differences (AE Value) and Ink Trapping on Matt Paper using different Digital Printing Methodologies"	Eur. Chem. Bull. (ISSN: 2063-5346).	12(Special Issue 4)	11302 - 11316	YES	3.71

(XII) Participation of faculty in Seminars/Conferences/Workshops and refresher courses etc. during the period:
(a) Total Number of Seminars/ Conferences attended by faculty and papers presented

Positions	Attended			Papers presented		
	International	National	Total	International	National	Total
Professor,			. 2000	03	04	07
Associate Professor				01	02	03
Assistant Professor				03	04	07

(b)International Conferences/ Seminars/ Workshops: 07

Name of the	tional Conferences/ S Title of paper	Theme of	Name of Host	Place	Dates/	Funded by
Faculty	presented	conference/ Seminar/ workshop	organization	Tiace	Duration Duration	UGC/DST CSIR/AICTE / Univ./etc.
Sh. Sanjeev Kumar	"Critical Analysis of Print Quality Factors (Hue Error and Print Contrast) in Piezoelectric Inkjet Press on Matt Coated and Gloss Coated Cellulosic Substrates",	2nd International Conference on Advance Computing and Innovative Technologies in Engineering	2022, Galgotias College of Engineering & Technology	Greater Noida	April 28 th 29 th 2022	
Sh. Ankit	"Comparative Analysis of Colour Gamut in Continuous Inkjet and Drop-on- Demand (Piezoelectric) Inkjet Presses",	International Conference on Innovation and Recent Trends in Science, Technology and Management	2022, NSSA College, Chandrapur.	Chandrapur	Aug. 30- 31, 2022	
Sh. Bijender	A Survey of Runnability Related Problems in Dry Toner-based Digital Printing Presses",	International Conference	Innovation and Recent Trends in Science, Technology and Management 2022, NSSA College	Chandrapur	Aug. 30- 31, 2022	
Sh. Pankaj Kumar	"Eco-friendly green initiative in Printing and Packaging Industry",	25th International Conference	(CONIAPS - XXV)' on Physical and Biological Sciences at Cross-roads	Department of Chemistry, GJUS&T, Hissar.	29th to 31st December, 2019	
Sh. Vikas Jangra	"Analyzing Lik Density behaviour on Matt Paper using different Digital Printing Methodologies",	International Conference on Advances in Engineering and Technology'	(ICAET- 2022 - Online)	Coimbotore, Tamil Nadu, India.	29 ^t & 30 th . September 2022,	
Sh.Ambrish Pandey	"Eco-friendly green initiative in Printing and Packaging Industry",	25th International Conference	(CONIAPS - XXV)' on Physical and Biological Sciences at Cross-roads	Department of Chemistry, CJUS&T, Hissar.	29th to 31st December 2019	
Sh. Ambrish Pandey	"Analyzing Ink Density behaviour on Matt Paper using different Digital Printing Methodologies",	International Conference on Advances in Engineering and Technology'	(ICAET- 2022 - Online)	Coimbatore, Tamil Nadu, India.	29 th & 30 th September 2022,	

n. Vikas	"Study of	National	AICTE Sponsored	Department	26th&	
ngra	Colour differences (\Delta E Value) exhibited by different Digital Printing Methodologie s on Gloss Paper Substrate",	Conference	National Conference on 'Emerging Trends in Engineering Science and Management	of Electrical Engineering , UIET, Maharshi Dayanand University (Rohtak),	27th Nov 2022	plant
Sh. Ambrish Pandey	"Colour Quantificatio n Approaches using various Colour Models",	National Conference	AICTE Sponsored National Conference on Emerging Trends in Engineering Science and Management	Department of Electrical Engineering , UIET, Maharshi Dayanand University (Rohtak),	27th Nov 2022	
Sh. Ambrish Pandey	"Study of Colour differences (ΔΕ Value) exhibited by different Digital Printing Methodologies on Gloss Paper Substrate",	National Conference	AICTE Sponsored National Conference on 'Emerging Trends in Engineering Science and Management	Department of Electrical Engineering , UIET, Maharshi Dayanand University (Rohtak),	26th& 27th Nov 2022	
Sh. Ambrish Pandey	Comparative Study of Print Contrast on Coated and Uncoated Paper Using Amplitude Modulated, Frequency Modulated and Digitally Modulated Screening in Offset Printing Process		43rd world conference on applied science & Engineering Technology,	Padre Concepcion College Of Engineering		Tay
Sh. Ambrish Pandey	"Preparation of Test Char for Printing on Nature Friendly Plastics",	rt Conference	AICTE Sponsor National Conference on 'Emerging Tren in Engineering Science and Management	of Electric	27th Nov 2022	

(XIV) Detail of Consultancy Project/ Work in Department: NIL

Name of Faculty	Title of the project /work	Name of Agency	Total Amount

(XV) Lectures (other than class) (Invited talks/Extension Lectures) delivered (Give Faculty wise detail) : NIL

Type	Topic/ Subject	Institution	Dates
Invited talk			Dates
Extension lectures			
Any other			

(XVI) Additional Duties Performed/Positions held in the University (Teacher-wise)

Sr. No.	Name of Faculty	Additional Positions	Duration From To	
1	Sh. Pankaj Kumar, Associate Professor	Nodal Officer RTI Chairperson, Deptt. of Printing Technology	16.03.2021 to present	
Sh. Sanjeev Kumar, Noo		Nodai Officer, UGC- SGRC	22.04.2022 to Present	
3	Sh. Mohit Kumar	Dy. Proctor cum CSO Co-ordinator, Youth Red Cross.	01.07.2022 to till 20.06.2023	

(XVII) Training /Internship/ Placement Activities information of the Department:

Activity	No. of Students	No. of Companies *
Training		
Placement	54	10

• Note:- Please attach a list of companies alongwith number of students for training and placement with dates, etc.. ANNEXURE -A

(XVIII) Detail of Academic activities/Professional Activities/ Programmes Organized in Department during the year: NIL

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Seminar/Conference/Refreshers course/Workshop/Training Programme

Name of the Event	National/International	Number of participants	Dates/ Duration

ANNEXURE

DEPARTMENT OF PRINTING TECHNOLOGY Summary of Research Publications:

Total Books Published	Books published with International publisher	Books published with National publisher	Annapaga /
Nil	Nil	Nil	-
Total Research papers published in Journals	Total Published in UGC-CARE List Group 1 (Journals found qualified through UGC-CARE protocols)	Total Published in UGC-CARE List Category 2 (Journals Indexed in WOS/Scopus)	Highest Impact Factor
48	03	45	3.71
Total Number of Papers Published in Conferences	Total published in Scopus/WOS indexed Conferences	Total published in non-indexed Conferences	-
17	01	16	-
Total number of funded research projects	Completed	Ongoing	-
NIL	NIL	NIL	
TOTAL NUMBER OF SCHOLARS REGISTERED in PH.D. PROGRAMME	PhD. Degree submitted	PhD. Degree awarded	-
01	NIL	NIL	-

Signature of the Chairperson

Annexure-A Placement Data

Attached a list of companies alongwith number of students placed, dates of placement and average package.

DepartmentofPrintingTechnology,GJUS&T,Hisar

Listofstudentsplacedduring thesession 2022-23, upto 18.07.2023.

Sr. No.	NameofOrganization	StudentName	RollNo.
1.	S.B.PackagingsPvt.Ltd.	MuditVerma	190030320024
2.	S.B.PackagingsPvt.Ltd.	Nikhil	190030320029
3.	S.B.PackagingsPvt.Ltd.	Parveen	190030320032
4.	S.B.PackagingsPvt.Ltd.	Pawan	190030320034
5.	S.B.PackagingsPvt.Ltd.	Shivambhargava	190030320049
6.	S.B.PackagingsPvt.Ltd.	PriyanshuRaviAnand	190030349006
7.	S.B.PackagingsPvt.Ltd.	ShivamSharma	190030349009
8.	S.B.PackagingsPvt.Ltd.	MayankVerma	
9.	S.B.PackagingsPvt.Ltd.		190030320023
10.		Ravinder	190030329005
	S.B.PackagingsPvt.Ltd.	SahilSharma	190030320047
11.	S.B.PackagingsPvt.Ltd.	Abhishek	190030320001
12.	ColorjetIndiaPvt.Ltd.	AniketVerma	190030320004
13.	ColorjetIndiaPvt.Ltd.	ManishBairwa	190030320020
14.	ColorjetIndiaPvt.Ltd.	PRADEEPVERMA	190030320036
15.	ColorjetIndiaPvt.Ltd.	GirishKumar Pandey	190030329001
16.	ColorjetIndiaPvt.Ltd.	Sunita Rani	190030329007
17.	DheengraPlasticPvt.Ltd.	Ravinder	190030320045
13.	LeapDigiprint	Praveens heoran	190030320038
19.	KonicaMinoltaIndia	AtulSheoran	190030320007
20.	KonicaMinoltaIndia	KrishnaTewatia	190030320019
21.	EdelmannPackagingIndiaPvt .Ltd.	Annu	190030320006
22.	EdelmannPackagingIndiaPvt .Ltd.	Mulkraj	190030320026
23.	Edelmanr PackagingIndiaPvt .Ltd.	Shubhamsaini	190030320050
24.	EdelmannPackagingIndiaPvt .Ltd.	Vikas	190030320054
25.	EdelmannPackagingIndiaPvt .Ltd.	VaishaliVerma	190030320052
26.	SpinksWorld	ManishTuteja	190030320021

27.	OjiIndiaPackagingPvt.Ltd.	DeepanshuSaini	190030320012
28.	OjiIndiaPackagingPvt.Ltd.	Gaurav	190030320014
29.	OjiIndiaPackagingPvt.Ltd.	Pothunurinagaraju	190030349005
30.	TitanBiotechPvt.Ltd.	Miryaladasakesari	190030349003
31.	KumarPrintersPvt.Ltd.	HariSingh	190030320015
32.	KumarPrintersPvt.Ltd.	ParasKhattar	190030320031

33.	KumarPrintersPvt.Ltd.	HoshiyarSingh	190030320016
34.	KumarPrintersPvt.Ltd.	Mano, Kumar	190030320010
35.	KumarPrintersPvt.Ltd.	Vishal	190030320056
36.	SakataInx(India)Pvt.Ltd.	AnkitVerma	
37.	SakataInx(India)Pvt.Ltd.	ManishTuteja	190030320005
38.	SakataInx(India)Pvt.Ltd.	MuditVerma	190030320021
			190030320024
39.	SakataInx(India)Pvt.Ltd.	ShivamBhargava	190030320049
40.	YamirPackagingPvt.Ltd.#	PreetyDevi	190030320039
41.	PearlIndustries#	Ajay	190030320003
42.	PearlIndustries#	ManojKumar	190030320022
43.	MontechSystemsLtd.#	PrinceKunthal	190030329004
44.	ThompsonPress,Faridabad*	MugdhaGupta	190030320025
45.	ThompsonPress,Faridabad*	MunishKumarNagil	190030320027
46.	ThompsonPress,Faridabad*	KrishnaTewatia	190030320019
47.	ThompsonPress,Faridabad*	PawanMakkar	190030320033
48.	ParleBiscuitsPvt.Ltd.	Parveen	190030320032
49.	TheInksIndia#	Parveen	190030320032
50.	JainyticPackagingPvt.Ltd.#	Rashmi	190030320044
51.	ManoharPackagingPVt.Ltd.	VivekChauhan	190030329008
52.	ManoharPackagingPVt.Ltd.	RakeshSharma	190030320042
53.	ManoharPackagingPVt.Ltd.	ChiragSharma	190030320010
54.	ManoharPackagingPVt.Ltd.	Salvinder	190030320048