Refresher/FDP/Short course attend by faculty

S. No.	Name of the Faculty	Name of Refresher Course	Organizer's Name	*Period*		Sponsoring Agency
				From	To	
1.	**Dr Deepak Srivastava**	Three days TEQIP II sponsored workshop on "Effective pedagogy for engineering faculties" organized by Department of Electrical Engineering, SoE, HBTU, in collaboration with ECSI-The institution of Engineers (India), Hyderabad.	TEQIP II, HBTU, Kanpur	March 26, 2017	March, 28, 2017	TEQIP II
2.		Two days TEQIP II sponsored workshop on "Energy conservation and energy audit in academic institutions" organized by Department of Chemical Engineering, HBTU, in collaboration with ECSI, The institution of Engineers (India).	TEQIP II, HBTU, Kanpur	March 07, 2017	March, 08, 2017	TEQIP II
3.		TEQIP School on "Mechanics of reinforced polymer composites" organized by Knowledge Incubation for TEQIP, IIT, Kanpur.	TEQIP, IIT, Kanpur	Jan 22, 2017	Jan 25, 2017	TEQIP
4.		Three days TEQIP II sponsored workshop on "Occupational health and safety management practices" organized by Department of Chemical Engineering, HBTU, in collaboration with ECSI-The institution of Engineers (India).	TEQIP II, HBTU, Kanpur	Oct. 03, 2016	Oct. 05, 2016	TEQIP II
5.		Three days TEQIP II sponsored workshop on "Intellectual property rights (IPR) and patenting" organized by Department of BEFT, SoCT, HBTU, in collaboration with ECSI-The institution of Engineers (India), Hyderabad during Aug. 27-29, 2016.	TEQIP II, HBTU, Kanpur	Aug. 27, 2016	Aug. 29, 2016	TEQIP II
6.		One day workshop on "Plastic Waste Management"	CIPET, Lucknow held	Aug. 23, 2016	Aug. 23, 2016	CIPET, Lucknow

			at Kanpur			
7.		Five days TEQIP School on "Computational methods in Engineering Applications" organized by Knowledge Incubation Centre	TEQIP, IIT, Kanpur	April 12, 2016	April 16, 2016	TEQIP-II
8.		Five days workshop on Supply Chain Management	IIT Kanpur	Feb 04, 2015	Feb 08, 2015	TEQIP-II
9.	Dr Reena Singhal	State Level Faculty Interaction Seminar	Department of Technical Education Government of Uttar Pradesh H.B.T.I., Kanpur	8June, 2015.	9 June, 2015	TEQIP-II
10		MHRD'S National Mission for Teachers and Administrators Management Capacity Enhancement Programme	Indian Institute of Management IIM, Indore	24 August 2015	30 August 2015	TEQIP- II
11		Short Term Course Under Quality Improvement Programme on Yoga and life Management	Indian Institute of Technology, Delhi	07 Nov, 2016	11 Nov, 2016	TEQIP- II
12		Two days training Basic Liquid Chromatography	Water Global Services H.B.T.I., Kanpur	28 March, 2017	29 March, 2017	TEQIP-II
13.		QIP on Advances in Material Characterization Techniques	QIP CENTRE, I.I.T. Roorkee	30th May 2016	3rd June 2016	TEQIP-II
14		Occupational Safety and Industrial Hazards	Chemical Engineering Department a H.B.T.U. Kanpur	03 Oct, 2016	05Oct, 2016	TEQIP-II
15		Energy Conversion and Energy Audit in Academic Institutions	Chemical Engineering Department a H.B.T.U. Kanpur	07 March 2017	09 March 2017	TEQIP-II
16		Basics in Liquid	Chemical Engineering	27 March	28 March	TEQIP-II

		Chromatography	Department a H.B.T.U. Kanpur and Waters Ltd.	2017	2017	
17		Training of Trainer Program For Technical Sales Representative QP Code PCS/Q0102 and NSQF level 5	Paint and Coatings Skill Council, India H.B.T.U. Kanpur	22 March 2017	27 March 2017	TEQIP-II
18	Dr Indira Nigam	Academic Process for implementation of outcome based Education	H.B.T.U. Kanpur and Thiagrajar College of Engineering, Madurai	19 Feb 2018	23 Feb 2018	TEQIP-II
19		Outcome based Accreditation for Undergraduate	H.B.T.U. Kanpur and UPTTI kanpur	22 March 2018	23 March 2018	TEQIP-II
20		Summer Training Program on Active Learning for Senior Faculty	IIT Kanpur	11 June 2018	15 June 2018	TEQIP-II
21		Technical Education Quality Improvement Programme-III	SPIU, UP MHRD. Govt. Of India	11 Sep 2018	12 Sep 2018	TEQIP-II
22		FDP on Recent Development of Food Processing and Packaging	Dept. of Food Tech. & Dept. of Plastic Tech., H.B.T.U., Kanpur	24 Sep 2018	29 Sep 2018	TEQIP-II

Ph.D. Guidance

Research Guide	Name of the Scholar	Topic of the research	University & Year of registration	Status
Dr. A. K. Nagpal	Jagrati Kandpal	Effect of thermoplastic on thermal and mechanical properties of multifunctional epoxies	AKTU, Lucknow	Awarded 2016
	Shrawan Kumar Shukla	Studies on cardanol based resin systems for	AKTU, Lucknow	Awarded 2018

Dr. Deepak Srivastava		application in protective coating		
	Riya Srivastava	Development of modified epoxy matrix from furfural	AKTU, Lucknow	Awarded 2017
	Manoj Kumar Shukla	Study of thermal and mechanical properties of nano $CaCO_3$ modified DGEBA Epoxy matrix/Glass fiber composites	AKTU, Lucknow	Awarded 2018
	Indrajeet Sen	Studies on method development for analysis of food and food products	AKTU, Lucknow	Under Progress
	Harendra Kumar	Preparation and characterization of NBR-PP-MMT and NBR-PP-HNT elastomer nanocomposites	AKTU, Lucknow	Under Progress
	Surendra Pd. Pal	Mathematical modelling and simulation of polymeric hydrogels	AKTU, Lucknow	Awarded 2018
	Shilpi Tewari	Studies on effect of Nano filler on Chemical, Mechanical and thermal properties of Epoxy/ Fly ash Polymer Nano Composites	HBTU, Kanpur	New Admission 2018
Dr. Reena Singhal	Miss Tripti Singh	"Synthesis and Characterzation of Multifunctional copolymeric Hydrogels"	AKTU, Lucknow	Thesis in awarded In 2016
	Miss Shipra Agnihotri	"Synthesis and Characterization of Multicomponent Ionic Hydrogels based on Natural Carbohydrates for Water purification"	AKTU, Lucknow	Thesis submitted 2018

(a) Books / Book Chapters:

(i) Books / Book Chapters authored:

S.N.	Authors	Title of the book	Publication details	publisher	Year of publication	ISBN no.& DOI
1.	Manoj Kumar Shukla, Archana Mishra, Kavita Srivastava, A K Rathore and Deepak Srivastava	"DGEBA Epoxy/CaCO3 Nanocomposites for improved Chemical Resistance and Mechanical Properties for Coating Applications"	Trends and Applications in Advanced Polymeric Materials, Sanjay K. Nayak, Smita Mohanty, and Lakshmi Unnikrishnana (eds.),), Chapter 2, pp. 23-44,	John Wiley & Sons, USA (Publisher	2017	ISBN (Cloth) : 9781119363637
2.	Reena Singhal	Efficient and economical application of a spentwaste adsorbent Cu^{2+} ion loaded Poly(AAc-AM-SH) superabsorbent hydrogels by reusing it for the adsorption of phosphate ion	Environmental Pollution Select Proceedings of ICWEES-2016; Water Science and Technology Library, Vol. 77; V.P. Singh, S. Yadav, R.N. Yadava (Eds.)	Springer nature Singapore, Pte Ltd.	2017	978-981-10-5794-6
3.	Reena Singhal	Hydrogels,Multi-component Anionic :Swelling and Controlled Release	1st Ed .;Mishra,M.ed.;Taylor & Francis,N.Y.,2015 ,Vol.6,p.3951-3969.	Taylor and Francis	April 2 ,2015	9781439898796 DOI:10.1081/E-EBPP-120049987
4.	Seema Awasthi, Reena Singhal	Hydrogels: Mathematical Approaches	1st Ed .;Mishra,M.ed.;Taylor & Francis,N.Y.,2015 ,Vol.6,p.3929-3950.	Taylor and Francis	April 2 ,2015	9781439898796 DOI:10.1081/E-EBPP-120049988

Table B.5.14

(b) Research Papers:

(i) Research Papers authored:

S. No.	Name of the faculty	Title/ Topic	Name of the Journal	International/ National Journal with Impact FACTOR	Year of Publication
1.	**Dr. Deepak Srivastava**	Microwave Assisted Synthesis and Characterization of Resole-type Phenolic Resins	High Performance Polymers	International 1.090 27 (1), 19-30.	2015
		Synthesis, spectral and degradation kinetic study of the epoxidized resole resin derived from cardanol	Advances in Polymer Technology	International 1.907 34 (1) 21469 (1-8).	2015
		Mechanical, chemical and curing characteristics of cardanol furfural based novolac resin for application in green coatings	Journal of Coating Technology and Research	International 1.298 12 (2), 303-311	2015
		Physical and Chemical Toughening of Cardanol-based Vinyl Ester Resin using CTBN: A Study on Spectral, Thermal and Morphological Characteristics	Physical and Chemical Toughening of Cardanol-based Vinyl Ester Resin using CTBN: A Study on Spectral, Thermal and Morphological Characteristics	International 2.955 78, 307-317.	2015
		Studies on the effect of concentration of HTPB on the physic-thermal and physic-mechanical properties of blends of isocynate-terminated prepolymer from epoxy novolac resin and HTPB	Intl. Innov. Res. Sci. Engg. Tech	International 0.611 5 (3), 3560-3567	2016
		Studies on Mechanical and Chemical Characteristics of DGEBA Epoxy/Nano $CaCO_3$ Nanocomposite Films for Surface Coating applications	IJIRSET	International 7.098 Vol. 5, issue 3, p 3934-3940	2016
		Studies on chemical resistance of the films of blends of the CNSL-based epoxy resin and CTPB	J of Lipid Sci Tech.	International	2016
		Nano calcium Carbonate Based Polymer Nano Composites: A Study on Structural and Mechanical Properties	International Conference proceedings on Design, Materials & Manufacturing	International	2017

			Concern in Production of Quality Engineering Goods; p 87-93 (Publisher: Excel India Publishers, ISBN: 978-93-86256-70-6), held at Dept. of Mechanical Engg, Harcourt Butler Technological University (HBTU), Kanpur, March 27-29, 2017.		
		Studies on the Structural Changes during Curing of Epoxy and it's Blend with CTBN	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	International 2.098 188, pp. 99-105	2017
		Reactive extraction of caroic acid using tri-n-butyl phosphate (TBP) in non toxic diluents	Journal of ChemTech Research	International 0.34 11 (7), pp. 56-62.	2018
2.	**Dr. Reena Singhal**	Kinetics and thermodynamics of cationic dye adsorption onto dry and swollen hydrogels poly(acrylic acid-sodium acrylate-acrylamide) sodium humate	Desalination and Water Treatment	International Taylor & francis ISSN 1944-3994 IF:1.631 DOI:10.1080/19443994.2013.871342;	2015
		Reuse of a Waste Adsorbent poly(AAc/AM/SH)-Cu Superabsorbent Hydrogel, for the Potential Phosphate ion Removal from Waste Water: Matrix Effects, Adsorption Kinetics, and Thermodynamic Studies.	Journal of Applied Polymer Science	International Wiley Interscience IF 1.600,	2015
		Methyl Orange Adsorption by Reuse of a Waste Adsorbent poly(AAc/AM/SH)-MB Superabsorbent Hydrogel: Matrix effects, Adsorption Thermodynamic and Kinetics Studies"	Desalination and Water Treatment;	International DOI:10.1080/19443994.2013.859098 Taylor & Francis I.F. 1.631	2015
		A Review: Tailor made Hydrogel Structures (Classifications and Sythesis Parameters	Polymer Plastic and Technology and Engineering	International DOI:10.1080/03602559.2015.1050520 Taylor & Francis I.F 0.284	2015
		Mathematical modeling for the	International Journal	International	2015

		prediction of the overall swelling profile from poly(AM-co-AA-co-HEA) hydrogels: effect of glycidyl methacrylate and ammonium per sulphate	of Plastics Technology, 1-22	Springer	
		Mathematical modeling of swelling for Analyzing the effect of high and low nonionic monomer content for poly (AM-co-HEA-co-AA)hydrogels;	Journal of polymer material	International M.D. I. Publications India I.F.: 0.284	2016
		Synthesis and characterization of novel poly (Acrylic Acid/Sodium Alginate/Sodium Humate) Superabsorbent hydrogels. Part II: The Effect of SH Variation on Cu2+,Pb2+ Fe2+metal ions, MB, CV dye adsorption study	Journal of Polymer and the Environment	DOI 10.1007/s10924-017-0956-y) 14 February, 2017 International, Springer IF, 1.971	2017
		"Effect of Sodium Humate on the Swelling Characteristics and Agricultural Application of Superabsorbent Hydrogels of Poly (acrylic acid/sodium alginate/sodium humate	Journal of polymer materials –An International Journal	International M.D. I. Publications India I.F.: 0.284	2017
		Effect of Sodium Alginate Content in Acrylic Acid/Sodium Humate/Sodium Alginate Superabsorbent Hydrogel on Removal Capacity of MB and CV Dye by Adsorption	Journal of Polymer and the Environment	International, Springer DOI 10.1007/s10924-018-1349-6 13 December, 2018	2018

Table B.5.15

S. No.	Name of Faculty	Publications	Overall Citations	Books/ Book Chapters	Ph.D Guiding	Ph.D. Awarded	Sponsored Research Project
1.	Prof. A.K. Nagpal	--	--	--	--	01	--
2.	Prof. Deepak Srivastava	10	433	01	03	04	01
3.	Prof. Reena Singhal	08	502	03	01	02	02
4.	Prof. Indira Nigam	--	87	--	--	--	01