Department of Information Technology

Faculty Achievements

<u>FDP Attended: 2021-22</u>

S.No	Name of Faculty	Course Attended		Topic	Duration		
		Course	Conducted by		From	To	No. of Days
1	Navin Prakash	FDP	EICT- IIT KANPUR	Data Analysis Using Advanced Excel	01st Feb. 2022	07th Feb 2022	8
2	Mahima Shanker Pandey	FDP	AICTE (ATAL)	Predictive Intelligence Models and its Applications	12th July 2021	16th July 2021	5
3	Richa Sharma	FDP	Galgotias University, Greater Noida, UP	Unleashing Research Potential: Global Trends & Practices	07th March 2022	11th Mar 2022	5
		FDP	Department of CSE, BBDNIIT, Lucknow,	Computational Intelligence: COIN- 22	16th Feb 2022	20th Feb 2022	5
		FDP	ATAL FDP by Gauhati University, Institute of Science & Technology	Artificial Intelligence in Healthcare	27th Sept 2022	01st Oct 2022	5
		FDP	E & ICT Academy, IIT Kanpur (A Joint Initiative of MeitY & IIT Kanpur)	Data Analysis Using Advanced Excel	1st Feb 2022	7th Feb 2022	7
4	Dolley Srivastava	FDP	Gauhati University Institute of Science and Technology.(ATAL)	Artificial Intelligence in Healthcare	27th Sept 2022	01st Oct 2022	5
		FDP	E & ICT Academy, IIT Kanpur	Data Analysis Using Advanced Excel	1st Feb 2022	7th Feb 2022	7

		FDP	E & ICT Academy, IIT Kanpur	Data Analysis Using Advanced Excel	1st Feb 2022	07th Feb 2022	7
5	Shailja Pandey	FDP	CSE,BBDEC in association with Tevatron Technologies Pvt Ltd & Hexnbit Edtech Pvt Ltd	Artificial Intelligence and Machine Learning Techniques	04th Oct 2021	08th Oct 2021	5
6	Girjesh Kumar Mishra	FDP	E & ICT Academy, IIT Kanpur in association with BBDNIIT, Lucknow	Data Analysis Using Advanced Excel	1st Feb 2022	7th Feb 2022	7
7	Asit Kumar Gahalaut	FDP	AICTE	Inculcating Universal Human Values in Technical Education	21st Feb 2022	25th Feb 2022	5
		FDP	Dept of IT, BBDITM Lucknow	Emerging trends and advancements in computational intelligence 2022	28th Feb 2022	05th Mar 2022	6
		FDP	E&ICT Academy Kanpur	Data Analysis using advanced excel	01st Feb 2022	07th Feb 2022	7
8	Eram Fatima	FDP	Office of International Relations, Galgotias University	Unleashing Research Potential: Global Trends and Practices	7th March 2022	11th March 2022	5
		FDP	E & ICT Academy, IIT Kanpur	Data Analysis using Advanced Excel	1st Feb 2022	7th Feb 2022	7
10	Nida Hasib	FDP	E & ICT Academy, IIT Kanpur	Advanced Excel with Data Visualization	20th July 2021	25th July 2021	6
		FDP	E & ICT Academy, IIT Kanpur	Machine Learning with Python	24th Aug 2021	3rd Sept 2021	11

		FDP	E & ICT Academy, IIT Kanpur	Data Analysis Using Advanced Excel	1st Feb 2022	7th Feb 2022	7
11	Ankit Kumar	FDP	ACM- TCS	Emerging Trends in Computational Intelligence	28th Feb 2022	05th March 2022	6
12	Ms. Garima Mishra	FDP	Amity School of Engineering & Technology.	Applications of Numerical Optimization Techniques in Science & Technology	20th June 2022	24th June 2022	5

FDP Attended: 2020-21

S.No	Name of Faculty	Course Attended		Topic	Duration		
		Course	Conducted By		From	To	No. of Days
1	Mahendra Kumar	FDP	E & ICT Academy, IITK	Python	21/06/ 2021	26/6/ 2021	5
2	Mahima Shanker Pandey	FDP	AICTE (ATAL)	Quantum Computing and Quantum Cryptography	07/06/2021	11/06/2021	5
3	Mahima Shanker Pandey	FDP	GITM Lucknow	Data Analytics for Real Time System	26/12/2020	30/12/2020	5
4.	Richa Sharma	FDP	AICTE	Data Science	18/1/2021	22/1/2021	5
5.	Richa Sharma	FDP	AICTE	Artificial Intelligence	29/08/2020	2/09/2020	5
6.	Richa Sharma	FDP	Raj Kumar Goel Institute of Technology , Ghaziabad	Recent Trends in Computer Science & IT	13/07/2020	17/07/2020	5
7.	Shailja Pandey	FDP	AICTE	Data Science	14/12/2020	18/12/2020	5
8.	Shailja Pandey	FDP	Raj Kumar Goel Institute of Technology , Ghaziabad	Recent Trends in Computer Science & IT	13/07/2020	17/07/2020	5
9.	Dolley Srivastava	FDP	AICTE	Data Science	14/12/2020	18/12/2020	5
10.	Dolley Srivastava	FDP	Raj Kumar Goel Institute of Technology , Ghaziabad	Recent Trends in Computer Science & IT	13/07/2020	17/07/2020	5

11	Dolley Srivastava	FDP	AICTE	AI-Machine Learning &Optimization	1/02/2021	5/02/2021	5
12	Girjesh Kumar Mishra	FDP	Rajkiya Engineering College Sonbhadra	Emerging Pedagogy in online teaching learning	26/10/2020	30/10/2020	5
13	Nida Haseeb	FDP	E & ICT Academy, IITK	Cyber Security	22/02 2021	28/02/2021	7
14	Nida Haseeb	FDP	E & ICT Academy, IITK	Python	24/05/2021	29/05/2021	6

FDP Attended: 2019-20

S.No	Name of Faculty	Course Attended		Topic	Duration		
		Course	Conducted by		From	To	No. of Days
1	Mahima Shanker Pandey	FDP	TEQIP-3	Digital Transformation in Teaching Learning Process	16 March 2020	30 March 2020	14
2	Shailja Pandey	FDP	AKGEC Ghaziabad	1. Machine Learning & Its Application Using Python	29 June 2020	3 July 2020	5 Days
			Amity University LKO	2. MOODLE: Learning Management System	23 June 2020	27 June 2020	5 Days
			BBDITM	3. Innovative E-Teaching Practices in Management and Technology	8 June 2020	12 June 2020	5 Days
			NPTEL-AICTE	4.TALE 2 (8 weeks)	July 2019	Sep 2019	8 Weeks
			BBDU	5. Emerging Trends in Computer Science and Information Technology 2019	16 July 2019	20 July 2019	5 Days

3	Dolley Srivastava	FDP	AKGEC Ghaziabad	1. Machine Learning &Its Application Using Python	29 June 2020	3 July 2020	5 Days
			Amity University LKO	2. MOODLE: Learning Management System	23 June 2020	27 June 2020	5 Days
			BBDITM	3. Innovative E-Teaching Practices in Management and Technology	8 June 2020	12 June 2020	5 Days
			NPTEL-AICTE	4.TALE 2(8 Weeks)	Jul 2019	Sep 2019	8 Weeks
4	Somya Saxena	FDP	IILM, Lucknow	Research Methodology: Tools & Techniques	18 May 2020	22 May 2020	5
5	Girjesh Kumar Mishra	FDP	AKGEC Ghaziabad	1. Machine Learning & Its Application Using Python	29 July 2020	03 July 2020	5 Days
			NPTEL-AICET	2. FDP Certificate-Accreditation and Outcome based Learning (8 weeks)	Aug 2019	Oct 2019	8 Weeks
6	Neha Khare	FDP	NPTEL-AICET	TALE 2:Course Design and Instruction of Engineering Course	Jul 2019	Sep 2019	12 Weeks
7	Nisha Singh	FDP	NPTEL-AICET	TALE 2:Course	Jul 2019	Sep 2019	12 Weeks

				Design and Instruction of Engineering Course			
8	Vinay Priy Mishra	FDP	Rajkiya Engg. College, Kannauj	1. Emerging Trends in Computer Science and Information Technology 2019	24 Sep 2019	28 Sep 2019	5 Days
			IIT Kanpur	2. Pedagogical Approach	13 Aug 2019	18 Aug 2019	5 Days
			BBD Group	3. Emerging Trends in Computation and Communicatio n	16 July 2019	20 July 2019	5 Days

Research Paper

<u>**Session: 2021-22**</u>

S.No	Name of Authors	Title of Paper	Journal name	SCI/ SCOPUS	DOI
1.	Shubhi, Ankit Kumar, Shiv Prakash, Anupam	An Improved Approach towards biometric face recognition using artificial neural network	Journal of multimedia tool and application	SCI	https://doi.org /10.1007/s11042- 021-11721-2
2.	Astha Singh, **Ankit Kumar**, Shiv Prakash	A Proficient Approach for Face detection and Recognition using Machine learning and high Performance computing	Concurrency and Computation practice and Experience	SCI	https://doi.org/10.10 02/cpe.6582
3.	Nabeel Ali;Dolley Srivastava; Aditya Tiwari;Aka sh Pandey;Ab hay Kumar Pandey;Aks hat Sahu	Predicting Life Expectancy of Hepatitis B Patients using Machine Learning	Distributed Computing and Electrical Circuits and Electronics (ICDCECE), IEEE International Conference	SCOP US	DOI: 10.1109/ICD CECE53908.2022

Book Chapters

S.No	Name of Faculty	Title of the Book / Book Chapter	Book / Book Chapter	Book Publication Details	DOI
1.	Gaurav Kant, **Richa Sharma**, Manuj Darbari	SAGRO-Lite: Alight Weight Agent Based Semantic Model For The Internet Of Things for Smart Agriculture in Developing Countries	Book Chapter (Chapter 12)	Springer Nature April 2021 (SCI)	10.1007/978-3-030-64619-6_12
2	**Ankit Kumar,** Shyam Singh Rajpoot, Vrijendra Singh	An Improved Approach to Secure Digital Audio Using Hybrid Decomposition Technique	Proceedings of the International Conference on Paradigms of Computing, Communication and Data Sciences, Springer Book Chapter.(Chapter -28)	Springer Nature Book Chapter. (SCI)	https://doi.org/10.1007/978-981-15-7533-4_31
3	Ankita Dwivedi, Madhuri Yadav,**Ankit Kumar**	FFT-Based Zero-Bit Watermarking for Facial Recognition and Its Security	Proceedings of the International Conference on Paradigms of Computing, Communication and Data Sciences, Springer Book Chapter.(Chapter 31)	Springer Nature Book Chapter (SCI)	https://doi.org/10.1007/978-981-15-7533-4_31
4	**Ankit Kumar,** Astha Singh, Shiv Prakash, Vrijendra Singh	A Novel Approach Towards Audio Watermarking Using FFT and CORDIC-Based QR Decomposition	AI and IoT-Based Intelligent Automation in Robotics, 2021 Scrivener Publishing LLC.	Book Chapter, Wiley(WOS)	https://doi.org/10.1002/9781119711230.ch20

S.No	Name of Authors	Title of Paper	Journal name (with issue, volume, page, year)/ Conferences	SCI/SC OPUS	DOI
1	Vikas Singhal, Yash Kumar Shukla, **Navin Prakash**	Image Steganography embedded with Advance Encryption Standard (AES) Securing with SHA-256	International Journal of Innovative Technology and Exploring Engineering;ISSN:2278-3075(online), Volume 9, Issue 8, June 2020	SCOPUS	10.35940/ijitee. H6442.069820
2	Ravendra Singh, **Dr. Navin Prakash**	Diagnosis and Classification of Brain Tumor	International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958 (online), Volume 9, Issue 1, Oct 2019	SCOPUS	DOI: 10.35940/ijeat.F 8767.109119
3	**Mahima Shanker Pandey,**Sudhir Singh Soam, Surya Prakash Tripathi	Computerized gender determination from human sternum& manubrium X-Ray Measurements	International Journal of Advanced Trends in Computer Science and Engineering Vol. 8, No. 6- December 2019 ISSN: 2278-3091	SCOPUS	http://www.wars e.org/IJATCSE/ static/pdf/file/ija tcse01862019.p df https://doi.org/1 0.30534/ijatcse/ 2019/01862019
8.	Gaurav Kant, Manuj Darbari, Richa Sharma, Hasan Ahmad	Fuzzy Approach To Select Most Suitable Conflict Resolution Strategy in Multi Agent System	ICon -CUTE, No 14-16, 2019	SCOPUS	DOI: 10.1109/I Con-CuTE47290.201 9.8991450
	Ankita Singh, **Ankit Kumar,** Malay Kishore Dutta, Radim Burget, Vojtech Myska	An Efficient and Robust Zero-Bit Watermarking Technique for Biometric Image Protection	2019 42nd International Conference on Telecommunications and Signal Processing (TSP), IEEE Xplore	SCOPUS	10.1109/TSP.20 19.8768881

	Astha Singh, **Ankit Kumar,** Malay Kishore Dutta, Carlos Travieso-Gonzalez, Luis Estanben-Hernandez	Perspective Approach for security of Biometric Image	APPIS 2020: Proceedings of the 3rd International Conference on Applications of Intelligent Systems, ACM, Jan7-9, 2020, Article No.: 20, pp. 1-7	SCOPUS	https://doi.org/10.1145/3378184.3378216
	Astha Singh, **Ankit Kumar,** Malay Kishore Dutta	DWT, DCT and PBFO based Approach for Biometric Image Security	2020 International Conference on Contemporary Computing and Applications (IC3A), IEEE Xplore, Feb 05-07, 2020	SCOPUS	10.1109/IC3A48958.2020.2333317
	Ankit Kumar, Ankita Dwivedi, Malay Kishore Dutta	A Zero watermarking Approach for Biometric Image Security	2020 International Conference on Contemporary Computing and Applications (IC3A), IEEE Xplore, Feb 05-07, 2020	SCOPUS	10.1109/IC3A48958.2020.2332668

Patents

S. No.	Name of Inventor	Title of Patent	Application No.	Grant/Publ ished / Filed	Session
1	Dr. Navin Prakash	Method and System to identify an optimal Crop for a Land	202111069113	Published	2021
2	Dr. Navin Prakash	A Face Identification Method Based on Combination DCT-DWT	202211004954	Published	2022
3	Dr. Navin Prakash	An IOT Based Object Identification System using Color Sensing	202211010411	Published	2022
4	Dr. Navin Prakash	Hand Exercise Device For Arthritis Patient	202211055779A	Published	2022
5	Mr. Asit Kumar Gahalaut	Virtual reality based skill development system for construction workers	202141033595	Published	2020
6	Ms. Richa Sharma	A machine learning based system for detecting Omicron variant from a genome sequence & method thereof	202231001144	Published	2022
7	Ms. Richa Sharma	An AI - Based Real Time Traffic Condition	202211016813	Published	2022
8	Ms. Dolley Srivastava	A machine learning based system for detecting Omicron variant from a genome sequence & method thereof	202231001144	Published	2022
9	Ms. Dolley Srivastava	An AI - Based Real Time Traffic Condition	202211016813	Published	2022

10	Ms. Shailja Pandey	A machine learning based system for detecting Omicron variant from a genome sequence & method thereof	202231001144	Published	2022
11	Ms. Shailja Pandey	An AI - Based Real Time Traffic Condition	202211016813	Published	2022