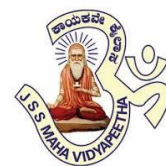





JSS Mahavidyapeetha
JSS Academy of Technical Education, Noida
Department of Information Technology



FACULTY PROFILE

1. Personal Details

NAME	Dr. Dhiraj Pandey	
DEPARTMENT	Information Technology	
DESIGNATION	Associate Professor & In-charge HOD	
PHONE	0120-2400115	
EMAIL ID	dhirajpandey@jssaten.ac.in	
Date of Joining (JSSATEN)	24-01-2011	

2. Experience

Total Experience in Years:20	Teaching: 20 Years	Industry: Nil	Research: Nil
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
BTech	Information Technology	2003	BBIET & RC	Chaudhary Charan Singh university, Meerut
MTech	Information Technology	2007	University School of Information Technology	GGSIIP University, Delhi
Ph.D.	Computer Science & Engineering	2018	School of Computing and Information Technology	Manipal University, Jaipur

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 09	National: 00
Papers Published in SCOPUS indexed Journals	International: 14	National: 00
Papers Published in other Journals	International: 05	National: 00

Papers Presented in Conferences / Symposium	International: 14(Scopus)+3 others	National: 5
Books / Book chapters Published	04	
	Name of the book: “ A Medical Assistant for the Visually Impaired ” Publisher: IGI global Year of Publication:2023	
	Name of the book: A blockchain approach on security of health records for children suffering from dyslexia during pandemic COVID-19 Publisher: Elsevier Year of Publication:2022	
	Name of the book: “ An Approach Towards Intelligent Traffic Environment Using Machine Learning Algorithms ” Publisher: IGI global Year of Publication:2021	
	Name of the book: “ Chaotic map for securing digital content: A progressive Visual cryptography approach ” Publisher: IGI global Year of Publication:2018	

5. Research Guidance

PhD Guide? Give field & University	Yes, NLP, Blockchain	University: a. Dr APJ Abdul kalam Technical University, Lucknow, b. Sanskriti University, Mathura
PhDs / Projects Guided	Ph.D. Awarded: 02 Guiding: 01	Projects at Master’s Level: 04 Projects at Bachelor’s Level: 40

6. Grants

i. Funds Received (Projects)

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
Development of Electoral Media Knowledge Repository, Indexing and Mining System (DIMS) using Big Data Analytics for India International Institute of Democracy and Election Management	4.38 lac(fund not received)	24-06-21	6 months	Foundation for Innovation and Technology Transfer-An Industry Interface Organization at IIT Delhi.

(IIDEM)				
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ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed
01	Smart handheld locating device	28-7-2022(Granted)
02	Blockchain technology-based electronic health record data for security	15-11-22(published)
03	Audio and text-based news broadcasting system for partially blind users through Artificial intelligence	22-9-2020(published)

iii. Consultancy

Title of the work	Amount in Rs.	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization

7. Awards Received

Awards	<ol style="list-style-type: none"> 1. Jury member of INSPIRE Awards on September 14,2022, New Delhi. 2. Distinguish Speaker at Clinical R&T, October 2021(USA) and March 2023 held in London. 3. Organised and chaired Special session on “Latest Trends in Computing & Data Analytics” in ICRITO 2021, during 3-4 September 2021 at AMITY UNIVERSITY, NOIDA. 4. Session Chair in ICCSEMS 2020, during 25-26 September 2020 at JSSATEN, NOIDA 5. Faculty mentor for INMAS-DRDO AR/VR sub marine simulation project work during August 2020 to May 2021. 6. Distinguish Speaker at ICSST, 29-30th July 2023.
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8. Publications

i. International Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
01	Distributed Biomedical Scheme for Controlled Recovery of Medical	Pandey, D., Rawat, U., Rathore, N.K., Pandey, K., Shukla, P.K.	IRBM- Elsevier	Volume 43, Issue 3, June 2022, Pages 151-160	Both	4.8	Elsevier

	Encrypted Images						
02	A Comprehensive Analysis of Artificial Intelligence Techniques for the Prediction and Prognosis of Genetic Disorders Using Various Gene Disorders	Chaplot, N., Pandey, D., Kumar, Y.	Archives of Computational Methods in Engineering	Vol. 30, Issue 5, June 2023, Pages 3301-3323.	Both	8.9	Springer
03	Extractive multi-document text summarization using dolphin swarm optimization approach	Srivastava, A., Pandey, D. & Agarwal, A.	Multimedia Tools and Application, Springer	Vol.80, Issue 7, pp. 11273–11290 ,Jan 2021	Both	3.1	Springer
04	A Novel Security Technique Based on Controlled Pixel Based Encryption of Image Blocks for Sharing a Secret Image	Rathore, N., Pandey, D., Iqbal, R., Bhatt, A.	Wireless Personal Communication, Springer	Vol.121, 191–207 (2021).	Both	1.8	Springer
05	Redundancy and coverage aware enriched dragonfly-FL single document summarization	Srivastava, A.K., Pandey, D. & Agarwal, A.	Lang Resources & Evaluation, Springer	Vol. 56, 1195–1227 (2022).	Both	2.3	Springer
6	Assistive Technology-Based Solution for Hearing Impairment	Mehra, V., & Pandey, D.	International Journal of Software Innovation (IJSI),	Vol. 10(1), 1-17 (2022).	Both	1.21	IGI Global

	Using Smartphones						
7	Euler totient function and fermat Euler theorem based an optimized key management scheme for securing mobile agents migration.	Kumar, P., Singhal, N. & Pandey, D.	International Journal of Information Technology	Vol. 14, 657–665 (2022).	Scopus	0.8	Springer
8	A Granular Approach to Secure the Privacy of Electronic Health Records Through Blockchain Technology.	Jain, M., Pandey, D., & Sharma, K. K.	International Journal of Distributed Systems and Technologies (IJ DST),	vol.13, no.8 2022: pp.1-20.	Both	0.87	IGI Global
9	A Blockchain based Fund Management Scheme for Financial Transactions in NGOs	Jain, M., Kaswan, S., Pandey, D.	Recent Patents on Engineering	Volume 16, Issue 2, 2022	Scopus	0.44	Bentham Science Publishers
10	Web document summarization using pointwise mutual information (PMI) from web resources	A. K. Srivastava, D. Pandey and A. Aggarwal,	International Journal of System of Systems Engineering (IJSSE),	Vol. 12, No. 4, 2022	Scopus	1.1	Inderscience
11	Robust progressive block based visual cryptography with chaotic map	Pandey, D., Rawat, U.S., Kumar, A.	Journal of Discrete Mathematical Sciences and Cryptography	Vol.19, Issue (5-6), pp. 1025–1040, 2016,	Both	1.21	Taylor & Francis
12	MAGIC-I as an Assistance for the Visually	K. Pandey, D. Pandey, V. Yadav, S. Vikhram	Recent Advances in Computer	Vol.14 issue 9,2021	Scopus	0.76	Bentham Science Publishers

	Impaired People		Science and Communications				
13	Technological Aids for Deaf and Mute in the Modern World	V. Mehra, D. Pandey, A. Rastogi, A.	Recent Patents on Engineering	Vol.14, 2020	Scopus	0.44	Bentham Science Publishers
14	Chaotic Map for Securing Digital Content: A Progressive Visual Cryptography Approach	Pandey, D., Rawat, U.S.,	International Journal of Rough set and Data Analytics	Vol. 3, No. 1, 2016	-	-	IGI Global
15	A Novel Progressive Visual Cryptography Approach with Chaotic Theory for Securing Digital Contents	Pandey, D., Rawat, U.S., Kumar, A.	Journal of information security research	Vol. 7, No. 1, pp. 1-10, 2016	-	-	DLINE press
16	Identity Verification System: A Visual Cryptography Based Approach to Prevent Fraudulent in Admission Process	Pandey, D., Rawat, U.S.,	International Journal of Intelligent System Design and Computing	Vol. 1, No. 1&2, pp.107-126, 2017.	-	-	Inderscience Publishers
17	Visual Cryptography for Secret Image with Average Pixel Expansion	Pandey, D., Rawat, U.S.,	International Journal of Exploring Emerging Trends in Engineering	Vol. 2, Issue 3, 2015	-	-	IJEETE JOURNAL
18	Prediction System to Support Medical Information System using	Kumar, S., Pandey, D.,	International Journal of Engineering Research and Application,	Vol.2, Issue 3, 2012.	-	-	IJERA JOURNAL

	Data Mining Approach						
19	Secure mobile agent migration using LaGrange interpolation and FFT	Kumar, P., Pandey, D.,	International Journal of computer Network and Information Security	Vol.15, Issue 4, 2023.	Scopus	0.25	MECS press

ii. National Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher

iii. Conferences

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Conference	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1	Development of Submarine Simulation for Assessment of Cognitive Skills.	Singh, C., Shukla, A., Murjani, A., Pandey, D.	2nd International Conference on Information Technology (InCITe-2022)	2-3 March 2022, published Online 16 Feb 2023	Scopus		Springer
2	EHR: Patient Electronic Health Records Using Blockchain Security Framework	M. Jain, D. Pandey, and N. Singh	International Conference on Innovative Data Communication Technologies and Application (ICIDCA-2023).	14-16 March 2023, PP 777-783.	Scopus		IEEE
3	Summarization of Medical Document using Pointwise mutual information (PMI)-based for web document summarization	A. K. Srivastava, D. Pandey and A. Aggarwal,	10th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO), 2022,	13-14 October 2022 pp. 1-6,	Scopus		IEEE

4	An Extended Deep Learning based Solution for Screening COVID-19 CT-Scans,	D. Pandey and K. Pandey,	9th International Conference on Computing for Sustainable Global Development (INDIACom), 2022,	23-25 March 2022 pp. 152-156, 2022	Scopus		IEEE
5	A Granular Access-Based Blockchain System to Prevent Fraudulent Activities in Medical Health Records.	Jain, M., Pandey, D., Sharma, K.K.	Advances in Data Computing, Communication and Security, springer	vol 106. Springer, Singapore.	Scopus		Springer,
6	An Approach to Identify Covid Infected People Due to Contact by using Machine Learning	V. Singh, U. Srivastava and D. Pandey,	9th International Conference on Computing for Sustainable Global Development (INDIACom), 2022	23-25 March 2022 pp. 152-156, 2022	Scopus		IEEE
7	Engineering Web resource summaries using Pointwise mutual information (PMI)-based for web document summarization	A. K. Srivastava, D. Pandey and A. Aggarwal,	2022 International Conference on Innovations in Science and Technology for Sustainable Development (ICISTSD)	25-26 August 2022	Scopus		IEEE
8	An Assistive Technology-based Approach towards Helping Visually Impaired People	D. Pandey and K. Pandey,	9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and	03-04 September 2021, pp. 1-5,	Scopus		IEEE

			Future Directions) (ICRITO)				
9	Improvement of Searching Methodology for Network Applications using Bloom Filters and Hashing	Pandey, D., Pandey, K.	2020 Sixth International Conference on Parallel, Distributed and Grid Computing (PDGC)	6-8 Nov. 2020	WOS		IEEE
10	Crowd Funding Fraud Prevention Using Blockchain	Pandey, S., Goel, S. Bansla, Pandey, D.	INDIACom-2019; Conference 6th International Conference on "Computing for Sustainable Global Development	13th - 15th March, 2019	WOS		IEEE
11	Smart Mirror: An Affordable Time Saver Assistant	Johri, A., S., Jafri, R. Wahi, Pandey, D.	4th International Conference on Computing, Communication and Automation, Galgotia University, Greater Noida, India, (ICCCA)	December 14-15, 2018	Scopus		IEEE
12	Feature and Future of Visual Cryptography Schemes	Pandey, D., Kumar, A., Singh, Y.	QSHINE2013 - 9th International Conference on Heterogeneous Networking, Security, and Reliability	January 11-12, 2013, pp. 816-830	WOS		SPRINGER
13	Visual Cryptography based Schemes	Pandey, D., Kumar, A.	National Conference on Advances in Computing Communication Network and Electrical Systems (ACCN-2012)	27-28th March, 2012	-	-	M.D.U. Rohtak, India

14	Visual cryptography for Secret Images with better Contrast	Pandey, D., Kumar, A.	National Conference on Cloud Computing: New initiative for E-governance and education (CCDNIEE-2013)	September,2013	-	-	IILM Greater Noida, India
15	Investigation and Simulation of Recurrent Neural Network using Generalized Mean Neuron Model	Pandey, D., Ghosh, U.	INDIACOM-07 National Conference	Feb, 2007	-	-	BVICAM, New Delhi.
16	IP Multimedia Subsystem	Pandey, D., Mehta, K.	National Conference on CS and IT	Sept,2007	-	-	Hindu College, Sonipat (Hr.)
17	Formulation of Multi objective Optimization Problem for IP Routing	Pandey, D., Mehta, K.	National Conference	Feb 2007	-	-	KIET Ghaziabad
18	Wireless Generation Standards	Pandey, D., Mehta, K.	International Wireless Summit	Sept.2005	-	-	Aalborg University (Denmark.)
19	Feature and Future for Migrating From 3G to 4G	Pandey, D., Mehta, K.	ICWNMC- International Conference'05	Dec.2005	-	-	Veelamal College of Engineering Chennai
20	Challenges and Technologies in 802.11	Pandey, D., Mehta, K.	ICWNMC- International Conference'05	Dec.2005	-	-	Velammal College of Engineering Chennai

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
	9 th International Conference on Heterogeneous Networking, Security, and Reliability Qshine2013	GBU, Greater Noida, India	January 11-12, 2013

2.	6th International Conference on “Computing for Sustainable Global Development, INDIACom-2019	Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi	13th - 15th March, 2019
3.	Sixth International Conference on Parallel, Distributed and Grid Computing (PDGC) 2020	Jaypee University of Information Technology Wagnaghat, Solan (H.P)	November 06-08, 2020
4.	4th International Conference on Computing, Communication and Automation	Galgotia University, Greater Noida, India,	December 14-15, 2018
5.	National Conference on Advances in Computing Communication Network and Electrical Systems (ACCN-2012)	M.D.U. Rohtak, India	27,28th March 2012
6.	National Conference on Cloud Computing: New initiative for E-governance and education (CCDNIEE-2013)	IILM Greater Noida, India	September, 2013
7.	National Conference on “Computing for Sustainable Global Development INDIACOM-07	BVICAM, New Delhi	Feb 2007
8.	National Conference on CS and IT 2007	Hindu College, Sonipat (Hr.)	Sept. 2007
9.	International Wireless Summit’05	Aalborg University (Denmark.)	Sept. 2005
10.	National Conference at KIET Ghaziabad, 2007.	KIET Ghaziabad,	Feb. 2007
11.	ICWNMC-International Conference’05	VCE Chennai	Dec. 2005
12.	National Conference on Mobile Computing	BVCOE, New Delhi	October, 2008
13.	IREDA & EU ASIA-linked sponsored workshop on Energy Efficiency and Sustainable Energy Building	BVCOE, New Delhi	February 2007
14.	International Workshop on 4G	BIT MESRA and Aalborg University, Denmark	November, 2004
15.	AICTE sponsored Short Term Training Program on Internet of Things and Data Analytics through online mode	JSS Academy of Technical Education NOIDA	December 6- 8, 2020
16.	FDP on Machine Learning and Data Analytics using Python	Electronics and ICT Academy, IIT Roorkee	May 06-14, 2020
17.	International Workshop on Advances in Multimodal Multilingual Translation process AMMTP-2013	JSS Academy of Technical Education Noida	28th Nov, 2013
18.	FDP on Machine learning & its applications in Text and Image Analytics	JSS Academy of Technical Education Noida	January 30- February 3, 2017
19.	STC on Wireless networks through ICT	NITTTR Chandigarh	May 2- 6, 2016

20.	STC on Student Evaluation through ICT	NITTTR Chandigarh	November 16-21, 2015
21.	Two-weeks ISTE STTP on Introduction to Design of Algorithms	IIT Kharagpur	April 27 – May 30, 2015
22.	Two weeks ISTE STTP on Pedagogy of Teaching using ICT	IIT Bombay	5th – 31st January 2015
23.	Two weeks ISTE workshop on “Computer Network	IIT Bombay	28th may- 5th July 2014
24.	ATMEL R&D India Professor Summit on “Embedded System Design using ARM based Sam 4L	IIIT Delhi	18 -19 July 2013
25.	One day Webinar and three days NBA workshop for stakeholders on Outcome Based Education	Nodal Centre JSSATE Noida in association with NBA New Delhi	Sept 2013
26.	FDP on Phyton and Scilab	Mahamaya Technical University, Noida	4-6th October, 2012
27.	Springer workshop on How to Publish research	JNU, New Delhi	August, 2012
28.	CRSI workshop cryptography	ISI Kolkata and Manipal university Jaipur	July2012
29.	Workshop on Data Mining	Delhi University, Delhi.	Dec. 2010
30.	FDP on MATLAB	DIAS, New Delhi	August, 2010
31.	FDP on Data Mining	JIMS, New Delhi	August 2010
32.	NPTEL Workshop (Under MHRD)	IIT Kanpur	July 2010
33.	Faculty Development Programme on “Deep Learning & Applications (Parallel Architectures	jointly organized by the Electronics and ICT Academies of IITs	Aug 23- Sept 3, 2021
34.	One-Week Online Faculty Development Programme on Blockchain Technology and Its Applications (BTA'22)	JIIT Noida	25th July – 30thJuly, 2022
35.	Two weeks online Faculty development programme on “Natural Language Processing”	jointly organized by Electronics and ICT Academies of IITs	February 7- 18, 2022
36.	Hands-On-Session on Artificial Intelligence	JSS Academy of Technical Education, NOIDA in collaboration with edunet	21-23 dec.2022

v. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
1.	2-Days Workshop on “Effective Teaching and learning by Prof John Jose from IIT Guwahati”	JSS Academy of Technical Education, NOIDA	18-20 June22	Coordinator
2.	National Conference on Recent Innovations in Computing Technologies-2021	JSS Academy of Technical Education, NOIDA	Sept2021	Organizing Committee Member
3.	National Conference on Recent Innovations in Computing Technologies-2022	JSS Academy of Technical Education, NOIDA	28 th Sept2022	Organizing Committee Member
4.	Indo-US E-Summit on "Global Impact of COVID-19	JSS Academy of Technical Education, NOIDA	26-27 June2020	Session coordinator
5.	Online International Conference on Intelligent Control and Computation for Smart Energy and Mechatronics Systems (ICCSEMS-2020),	JSS Academy of Technical Education, Noida	September 25-26, 2020	Organizing Committee Member
6.	IEEE international conference on reliability, infocom technologies and optimization (ICRITO'21)	AMITY University, Noida	Sept.2021	Special session coordinator and Chair
7.	FDP on Machine learning & its applications in Text and Image Analytics	JSS Academy of Technical Education, NOIDA	30 th Jan-3 rd Feb,2017	Deputy Coordinator
8.	ICT based STC on Wireless networks	JSS Academy of Technical Education, NOIDA	May, 2016	Deputy Coordinator
9.	International Conference on Cognitive Computing and Information processing (CCIP'15)	JSS Academy of Technical Education, NOIDA	2 nd -3 rd March 2015	Publicity Coordinator
10.	Workshop on Natural Language Processing	JSS Academy of Technical Education, NOIDA in collaboration with AKTU (Formerly MTU), Noida	23 rd - 24 th Nov 2011	Organizing Committee Member
11.	Workshop on AnglaBharti Machine Translation Paradigm	JSS Academy of Technical Education, NOIDA	25 th Nov 2011	Organizing Committee Member
12.	Smart India Hackathon	JSS Academy of Technical Education, NOIDA	April 2017	Deputy Co-coordinator
13.	Smart India Hackathon	JSS Academy of Technical Education, NOIDA	March 2018	Event management committee
14.	National Conference on IT and its Application	Bharti Vidyapeeth's college of Engineering New Delhi.	April 2006	Organizing Committee Member

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vi. **Conference Attended (those sponsored by AICTE / ISTE /IETE /TEQIP or any other sponsoring body)**

Sl. No.	Name of the workshop / Conference	Organizer	Date

9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1	Python for Data science	NPTEL	Feb-April 2020	86
2	The Joy of Computing using Python	NPTEL	Feb-April 2020	92
3	AI for Everyone	COURSERA	09/07/2020	-
4	Applied Machine learning in Python	COURSERA	18/07/2020	-

10.Membership of Professional Bodies:

1. Life Membership in Indian Society for Technical Education (LMISTE)
2. Senior Member, IEEE (92459758)

11.Any other information you will like to share about your professional experience