

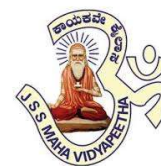


JSS Mahavidyapeetha

JSS Academy of Technical Education

Department of Computer Science & Engineering


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FACULTY PROFILE

Department: Computer Science and Engineering

1. Personal Details

NAME	DR. HARIKESH SINGH	
DEPARTMENT	COMPUTER SCIENCE AND ENGINEERING	
DESIGNATION	ASOCIATE PROFESSOR	
PHONE	9425618408	
EMAIL ID	harikeshsignh@jssaten.ac.in	
Date of Joining (JSSATEN)	01-07-2022	

2. Experience

Total Experience in Years	Teaching: 15	Industry: Nil	Research: Nil
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.Tech.	IT	2004	JSS Academy of Technical Education, Noida	Uttar Pradesh Technical University, Lucknow
M.E.	CSE	2007	Thapar University, Patiala	Thapar University
Ph.D.	CSE	2015	Jaypee University of Engineering and Technology, Guna	Jaypee University of Engineering and Technology, Guna

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 7	National: 0
Papers Published in SCOPUS indexed Journals	International: 13	National: 0
Papers Published in other Journals	International: 2	National: 0
Papers Presented in Conferences / Symposium	International: 7	National: 5
Books / Book chapters Published	Books:1	Book Chapters:1
	Name of the Book: Use of Zernike Moments in Handwritten Character Recognition Publisher: LAMBERT Academic Publishing, Germany Year of Publication: 2011	Name of the Book Chapter: Analysis of Effective Load Balancing Techniques in Distributed Environment Publisher: IntechOpen Year of Publication: 2020

5. Research Guidance

PhD Guide? Give field & University	Nil	Nil
PhDs / Projects Guided	1 Student in Jun 2020	Grid and Cloud Computing

6. Grants

i. Funds Received (Projects)

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
AICTE-SPICES	1 lakh	05-03-2021	1 Year	AICTE, New Delhi

ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed
1	Systems and Methods for IoT Based Fire Detection and Alert Thereof	7 th Jan 2021 by IPR India with reference no: 202111000806
2	Device to Monitor Health Parameter of Animals	26 th Nov 2021 by IPR India with reference no.: 337185-001
3	Seasonal Disease Control and Recommendation System	31 st Dec 2021 by IPR India with reference no.: 202111058574
4	An Intelligent Model to Identify Sentiments Using Adaptive Neuro-Fuzzy Inference System	7 th Jan 2022 by IPR India with reference no.: 202111061120
5	An IoT Based Animal Husbandry Assistance System and a Method Thereof	7 th Jan 2022 by IPR India with reference no.: 202111061710A

iii. Consultancy

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

7. Awards Received

Awards “Best Paper Award”	Nil
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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
1	MLP-ANN-Based Execution Time Prediction Model and Assessment of Input Parameters Through Structural Modeling	Anju Shukla, Shishir Kumar and Harikesh Singh	Proceedings of the National Academy of Sciences, India, Section A: Physical Sciences	vol.91, pp.577-585, Sep 2021	WoS	1.544	Springer

2	IoT Based Forest Fire Detection System in Cloud Paradigm	Harikesh Singh, Anju Shukla, and Shishir Kumar	IOP Conference Series: Materials Science and Engineering	vol.1022, pp.1-9, Jan 2021	Scopus	Nil	IoP Publishing
3	ANN Based Execution Time Prediction Model and Assessment of Input Parameters through ISM	Anju Shukla, Shishir Kumar and Harikesh Singh	International Arab Journal of Information Technology	vol.17, no.5, pp.683-691, Sep, 2020	WoS	0.669	Zarqa University, Zordan
4	Fault Tolerance Based Load Balancing Approach for Web Resources in Cloud Environment	Anju Shukla, Shishir Kumar and Harikesh Singh	International Arab Journal of Information Technology	vol.17, no.2, pp.225-232, Mar 2020,	WoS	0.669	Zarqa University, Zordan
5	Fault Tolerance Based Load Balancing Approach for Web Resources	Anju Shukla, Shishir Kumar and Harikesh Singh	Journal of the Chinese Institute of Engineers	vol.42, no.7, pp.1-10, Jul 2019	WoS	1.144	Taylor and Francis Group
6	Implementation of Web Quiz and Assignment Portal	Harikesh Singh, Jitendra Kumar Chauhan, Sumit Yadav, Pankaj Kumar Bansal and Nameh Dhiman	International Journal of Innovative Technology and Exploring Engineering	Volume-8, Issue-7S, pp.175-180, May 2019	Scopus	NA	Blue Eyes Intelligence Engineering and Sciences Publication
7	An Improved Resource Allocation Model for Grid Computing Environment	Anju Shukla, Shishir Kumar and Harikesh Singh	International Journal of Intelligent Engineering and Systems	vol.12, no.1, pp.104-113, Feb 2019	Scopus	NA	Intelligent Networks and System Society
8	Load Balancing Approaches for Web Servers: A Survey of Recent Trends	Anju Shukla, Shishir Kumar and Harikesh Singh	International Journal of Engineering Transactions B: Applications	vol.31, no.2, pp.242-248, Feb 2018	WoS/ Scopus	NA	Materials and Energy Research Center
9	An Efficient Content Aware Dynamic Load Balancing Algorithm for Web Servers	Prabhat Mahanti, Harikesh Singh and Shishir Kumar	Journal of Next Generation Information Technology	vol.7, no.1, pp.47-55, March 2016	Scopus	NA	Advanced Institute of Convergence Information Technology Research Center
10	WSQ: Web Server Queueing Algorithm for Dynamic Load Balancing	Harikesh Singh and Shishir Kumar	Wireless Personal Communications	vol.80, issue 1, pp. 229-245, Jan 2015	WoS	1.6741	Springer

11	Analysis & Minimization of the Effect of Delay on Load Balancing for Efficient Web Server Queueing Model	Harikesh Singh and Shishir Kumar	International Journal of System Dynamics Applications	vol.3, issue 4, pp.1-6, 2014	WoS	NA	IGI Global
12	Resource Cost Optimization for Dynamic Load Balancing on Web Servers	Harikesh Singh and Shishir Kumar	International Journal of Distributed and Cloud Computing	vol.2, issue 1, pp.7-18, 2014	NA	NA	Publishing India Group
13	Dispatcher Based Dynamic Load Balancing on Web Server System	Harikesh Singh and Shishir Kumar	International Journal of Grid and Distributed Computing	vol.4, no.3, pp.89-106, Sep 2011	WoS	NA	Science & Engineering Research Support soCiety
14	Development of Distributed Monitoring Framework	Harikesh Singh and Shishir Kumar	International Journal of Advanced Research in Computer Science	vol.2, issue 1, pp.53-61, Jan-Feb 2011	NA	NA	Research and Development Cell, Janardan Rai Nagar Rajasthan Vidyapeeth

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
NA	NA	NA					

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	Online Collaborative Text Editor Using Socket.IO	Yashveer Singh, Harikesh Singh, and Jitendra Kumar Chauhan	3 rd IEEE International Conference on Advances in Computing, Communication Control and Networking (ICAC3N)	17 th -18 th Dec, 2021, pp.438-442	Scopus	NA	IEEE
2	An Improved Optimized Resource	Anju Shukla, Harikesh	IEEE Proceeding of Fourth International Conference on Parallel,	22nd-24th December, 2016,	Scopus	NA	IEEE

	Allocation Mechanism for Web Server Grid	Singh, and Shishir Kumar	Distributed, and Grid Computing	pp.438-442			
3	Optimized Resource Allocation Mechanism for Web Server Grid	Harikesh Singh and Shishir Kumar	IEEE UP Section International Conference on Electrical Computers and Electronics	4th-6th December, 2015, pp.1-6	Scopus	NA	IEEE
4	An Efficient Algorithm for Peer-to-Peer Content Distribution Networks of Web Servers	Harikesh Singh, Shishir Kumar and Durgesh Pant	IEEE International Conference on Soft Computing Techniques for Engineering and Technology	7th -8th August, 2014, pp.1-6	Scopus	NA	IEEE
5	Analysis of Grid Computing Security using Trusted Computing	Harikesh Singh and Sumesh Kumar Nair	IEEE International Conference on Advances in Computing & Communication Engineering	22 nd -23 rd Feb, 2014, pp. 86-91	Scopus	NA	IEEE
6	A Framework for Modified Architecture of Grid Simulators	Harikesh Singh and Shishir Kumar	International Conference on Advance Computers and Networks (ADCONS2011)	16 th -18 th Dec 2011, vol.1, pp.27-31	NA	NA	NIT Surathkal
7	Task Oriented Performance Monitoring of Distributed Computing Server	Harikesh Singh and Shishir Kumar	International Conference on Advances in Communication, Embedded System and Computing (ICACEC)	14 th -15 th Jan 2011, pp.166-171	NA	NA	SIRTE, Bhopal
8	Resource Allocation Mechanism in Grid Computing: A Review	Harikesh Singh, Hridesh Kumar, and Shishir Kumar	National Conference on Contemporary Computing and Informatics (NCCI-2015)	8 th -9 th May, 2015, pp.137-143	NA	NA	MMMUT, Gorakhpur
9	Analysis & Design of Efficient Grid FTP Architecture for Web Servers	Harikesh Singh	28th M. P. Young Scientist Congress organized by M. P. Council of Science and Technology, Bhopal, India	28 th Feb-1 st March, 2013, pp.41	NA	NA	MPCST, Bhopal
10	Performance Analysis of Distributed Computing Server	Harikesh Singh and Shishir Kumar	National Conference on Emerging Trends in Computer Science & Informatics (ETCSI'10)	19th - 21st Mar 2010, p.29	NA	NA	SIRTE, Bhopal
11	Taxonomy of Distributed Parallel Storage System	Harikesh Singh and Shishir Kumar	3 rd CSI National Conference on Education & Research, CSI Division V, Region	6th -7th Mar 2010, pp.120-125	NA	NA	JUET, Guna

			III, Bhopal Chapter				
12	Zernike Moments in handwritten Character Recognition	Harikesh Singh	IDEAZ-Computer Science University Conference in Cognizance'07	23rd -25th March, 2007	NA	NA	IIT Roorkee

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	IUCEE workshop attended on "Selected Topics on Distributed Systems & Computer Security"	Jaypee University of Engg. and Tech., Guna, MP	30 th May - 3 rd Jun, 2011
2	IUCEE workshop attended on "Parallel Computing & Programming"	K. G. Reddy College of Engineering, Hyderabad, AP	11 th -15 th Jul, 2011
3	IUCEE workshop attended on "Application Oriented Networking"	Jaypee University of Engg. and Tech., Guna, MP	9 th -13 th Jul, 2012
4	One week Short Term Training Programme (STTP) attended through ICT Mode on "NBA Accreditation"	Organised by NITTR, Kolkata at ABES Engineering College, Ghaziabad, UP	22 nd -26 th Apr, 2019
5	One week Faculty Development Programme (FDP) attended on "AI and Machine Learning"	EICT Academies by MeitY, govt. of India at ABES Engineering College, Ghaziabad, UP	23 rd -27 th Dec, 2019
6	One week Faculty Development Programme (FDP) attended on "Machine Learning and Data Analytics using Python"	EICT Academies by MeitY, govt. of India at ABES Engineering College, Ghaziabad, UP	13 th -17 th Jan, 2020

v. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
1	An online webinar on "Impact of Research Projects in Academia"	ABES Engineering College, Ghaziabad, UP	31 th Oct, 2020	Coordinator
2	5 Days Online FDP program on "Machine Learning"	ABES Engineering College, Ghaziabad, UP	11 th -15 th Jan, 2021	Coordinator
3	ABESESEC Model United Nations (MUN) Student Conference	ABES Engineering College, Ghaziabad, UP	12 th -13 th Nov, 2021	Coordinator
4	5-Days Virtual FDP on "Data Science and Understanding Landscape Using R"	ABES Engineering College	7 th -11 th March, 2022	Coordinator

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

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	AICTE sponsored One Week online ATAL FDP attended on "Internet of Things (IoT)"	IIT BHU, Varanasi	21 st - 25 th Sep, 2020
2	AICE & ISTE sponsored One Week Orientation/Refresher Program on "Data Science Analysis and Visualization Tools"	Shri Shankaracharya Technical Campus, Bhilai, District Durg, Chhattisgarh	2 nd -7 th Nov, 2020
2	AICTE sponsored One Week short term training programme on "Blockchain Applications"	Saintgits College of Engineering, Kottayam, Keral	5 th -10 th Oct, 2020
3	AICTE sponsored One Week online QIP short term course on "IoT Enabled 5G Networks: Infrastructure and Security"	IIT BHU, Varanasi	25 th -30 th Jan, 2021
4	AICTE sponsored One week online ATAL FDP attended on "Artificial Intelligence"	Manipal University, Jaipur	8 th - 12 th Feb, 2021
5	AICTE sponsored One week online ATAL FDP attended on "Blockchain Technology and its Applications"	MNIT Jaipur	6 th - 10 th Sep, 2021
6	AICTE sponsored One week online ATAL FDP attended on "Application of Artificial Intelligence in Research and Development"	CSIR AMPRI, Bhopal	22 nd -26 th Nov, 2021

9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1	Database Management System	NPTEL	Jul-Sep, 2019	67
2	Basics of Blockchain	Coursera	Aug 2, 2020	Completed

10.Membership of Professional Bodies:

IEEE Senior Member (Nov, 2020 – Dec, 2022)	: Annual Membership (ID: 96535459)
Computer Society of India (CSI)	: Life Time Membership (01503472)
Universal Assoc. for Comp. and Elec. Engg. (UACEE)	: Associate Member (AM101003467)
Int. Assoc. of Computer Science and Info. Tech. (IACSIT)	: Member (80350500)
Internet Society India-Delhi Chapter Membership	: Member (488065)
Int. Association of Engineers (IAENG)	: Member (153775)
Institute for Engineering Research and Publication(IFERP)	: Professional Member (PMIN42865917)

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

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