JSS Mahavidyapeetha

JSS Academy of Technical Education

Department of Information Technology

FACULTY PROFILE

1. Personal Details

NAME	**Charu Awasthi**
DEPARTMENT	Information Technology
DESIGNATION	Assistant Professor
PHONE	8506949789
EMAIL ID	charu.awasthi@jssaten.ac.in
Date of Joining (JSSATEN)	27-01-2023

2. Experience

Total Experience in Years	Teaching: 9 Years	Industry: NIL	Research: NIL

3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.Tech.	Computer Science and Engineering	2008	PSIT Kanpur	AKTU
M.Tech.	Computer Science	2015	SSSIST, Sehore	RGPV
Ph.D.	FOG Computing	Pursuing	Poornima University	Poornima University

4. Research & Publications

Papers Published in Web of Science indexed Journals	International:01	National:00
Papers Published in SCOPUS indexed Journals	International:2	National:00
Papers Published in other Journals	International: 01	National:00
Papers Presented in Conferences / Symposium	International:2	National:1

Books / Book chapters Published	1. Software-Defined Network (SDN) for Cloud-Based Internet of Things, 2. Big Data Analytics and Big Data Processing for IOT-Based Sensing Devices 3. **A digital transformation in Teaching and learning platform: A covid - 19 perspective**
	[1,2]Name of the book: Transforming Management with AI, Big-Data, and IoT Publisher: Springer International Publishing Year of Publication:2022 [3]Name of the book: New Era in Digital Governance Publisher: Computer Society of India Year of Publication:2021

5. Research Guidance

PhD Guide? Give field & University	No	
PhDs / Projects Guided	Ph.D. Awarded: Guiding: NIL	Projects at Master's Level: - 0 Projects at Bachelor's Level: Many

6. Grants

i. Funds Received (Projects)

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization

ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed
1	**Methods and System for improving wireless sensor network using fault imitation Technology -**	**Australian Patent (Granted)**
2	**A development of an intelligent mobile application integrated smart energy meters through IoT**	**Indian Patent (Published)**
3	**Auditing Protocol for Secured Data storage in cloud**	**Indian Patent (Published)**
4	**Healthcare Services Provided at home using Fog Computing and Cloud Computing**	**Indian Patent (Published)**
5	**An AI based system for Peer to Peer (P2P) Payment with security Protection for Payee**	**Indian Patent (Published)**

iii. Consultancy

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

Awards	

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	**Machine Learning Techniques Applied to Call Admission Control in 5G Mobile Networks**	Charu Awasthi and Prashant Kumar Mishra	**International Journal of Vehicle Information and Communication Systems**	**ISSN: 1471-0242 (print) 1741-8208** (online)], 2020 – in press	**SCOPUS**		
2	**Privacy & Security Concerns in Digital advertising: A Critique**	Rajat Verma, Charu Awasthi, Prashant Kumar Mishra	**International Journal of Advanced Science and Technology**	Vol. 2, Issue 3, May-Jun 2012, pp.1444-1451	**SCOPUS**		
3	**Multimodal Biometric System Fusion Using** Fingerprint, Face and hand geometry with Fuggy Logic	Mr Gajendra Singh, Mr Amit Kumar, Charu Awasthi	IJSRD	**ISSN (ONLINE): 2321 0613, Volume 3, Issue 7, in Sept,2015**			
4	An optimized Energy-Efficient BeeSwarn Routing Scheme for Wireless Sensor Network	Charu Awasthi, Prashant Kumar Mishra, Pawan Kumar Pal	CCSE	**ISSN 0267-6192**	**SCI**		

ii. National Journals

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

			Journal	No. Year	Both		
-	-	-	-	-	-	-	-

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	**Security Concerns of Fog Computing in field of healthcare using Blockchain.**	Charu Awasthi, Meenakshi Nawal, Prashant Kumar Mishra	**ICCICT (International Conference by IEEE Bombay Section)**	2021	**SCOPUS**		IEEE
2	**Fuzzy logic Based Hybrid Approach CAC scheme in 5G**	Charu Awasthi, Meenakshi Nawal, Prashant Kumar Mishra	**ISCON (International Conference on Information Systems and Computer Network IEEE UP Section)**	2022	Scopus		IEEE
3	**Light weight languages as a software engineering tool**	Charu Awasthi, Anubhav Bewarwal, Amit Kumar	National Conference held at Sunderdeep College of Engineering Ghaziabad (U.P	2014			

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	ATAL online FDP on Artificial intelligence	MNIT Allahabad	11.5.20 to 15.5.20
2	FDP on Emerging Technology in Cloud computing, IoT and Blockchain at Jaypee Institute	Jaypee Institute of Information Technology organized by CSE dept of Jaypee	19.6.20 to 23.6.20.
3	ATAL online FDP on Blockchain	UIET Kanpur	31.8.20 to 4.9.20
4	Online FDP on " Trends in innovation , design thinking and IPR	Moradabad Institute of Technology, Moradabad	30 may 2022 to 3 june 2022
5	Workshop on Artificial Intelligence and Deep learning	Bennette University.	5.5.20 to 8.5.20
6	AICTE/ISTE approved refresher program on " cryptography and network security	PSIT Kanpur	7.1.2022 to 13.1.2022

v. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
1				

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	AI for everyone	Courseera	27.06.20.	Completed
2	Network Security Expert Certification NSE2 Network Security Associate	FORTINET (NSE Institute)	05.04.20.	**Certificate number – LU57ai35bB**
3	Nvidia Deep Learning Institute certificate of competency for Fundamentals of Deep learning foe computer vision	Nvidia	2020	Year of issue 2020

10.Membership of Professional Bodies:

1. IAENG member (membership no - 93139613)

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