


FACULTY PROFILE

1. Personal Details

NAME	Ajay Kumar	
DEPARTMENT	Computer Science and Engineering	
DESIGNATION	Assistant Professor	
PHONE	8708732683	
EMAIL ID	ajaykrverma@jssaten.ac.in	
Date of Joining (JSSATEN)	29-07-2013	

2. Experience

Total Experience in Years: 10 Years	Teaching: 09 Years	Industry: 01 Year	Research: 4
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.Tech.	Computer Engineering	2009	University Institute of Engineering & Technology	Maharshi Dayanand University, Rohtak, India.
M.Tech.	Computer Engineering	2012	J.C. Bose University of Science & Technology YMCA (formerly YMCAUST) Faridabad, India.	J.C. Bose University of Science & Technology YMCA (formerly YMCAUST) Faridabad, India.
Ph.D.	Computer Engineering	Pursuing	J.C. Bose University of Science & Technology YMCA Faridabad, India.	J.C. Bose University of Science & Technology YMCA Faridabad, India.

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 03	National:-
Papers Published in SCOPUS indexed Journals	International: 02	National:-
Papers Published in other Journals	International: 02	National:-
Papers Presented in Conferences / Symposium	International: 06	National:02
Books / Book chapters Published	01 Name of the book: Green Internet of Things for Smart Cities: Concepts, Implications, and Challenges Publisher: Taylor and Francis , CRC Press Year of Publication:2021	

5. Research Guidance

PhD Guide? Give field & University	NIL	
PhDs / Projects Guided		Projects at Master's Level: 03 Projects at Bachelor's Level: 20

6. Grants

i. Funds Received (Projects)

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
VRPS Scheme under AKTU	5 Lakhs	04-07-2020	02 yrs	AKTU

ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed
1	“Smart Dustbin – Sanitation & Solid-Liquid Waste Management” (Patent No. 202011000793)	03.02.2020

2	"Reduce, Re-Cycle and Reuse (RRR) IOT Intelligence Waste Management System ". (Patent No. 202111001043	15.01.2021
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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	"User Based Load Visualization of Categorical Forecasted Smart Meter Data using LSTM Network"	Ajay Kumar, Parveen Poon Terang, Vikram Bali	International Journal of Multimedia Data Engineering and Management	Vol 11, Issue 1, Jan 2020	Both	null	IGI
2	A Novel Approach for Wind Speed Forecasting Using LSTM-ARIMA Deep Learning Models	Vikram Bali, Ajay Kumar, Satyam Gangwar	International Journal of Agricultural and Environmental Information Systems	Volume 11 Issue 3 July-September 2020	Both	0.921	IGI
3	Comparative	Satyam	EAI Endorsed	Volume 7	Both	null	EAI

	Analysis of Wind Speed Forecasting Using LSTM and SVM	Gangwar, Vikram Bali, Ajay Kumar	Transactions on Scalable Information Systems	Issue 25 July 2019			
4	Blogranger with Categorised indexing a Multi-Faceted Blog Search Engine	Ajay Kumar, Komal Kumar Bhatia	International Journal of Computer Engineering and Applications	Vol. XII, Issue VII July 2018	UGC, Scopus	6.119	IJCA
5	Survey on Semantic Similarity Measures	Aditi Gupta, Ajay Kumar	International Journal for Innovative Research in Science and Technology	Volume 03, Issue 12 May 2017	-	4.371	IJRST
6	Survey on the Methodologies for Ontology Clustering & their Optmization Techniques	Avantika Tiwari, Ajay Kumar	International Journal for Innovative Research in Science and Technology	Volume 03, Issue 03, August 2016	-	4.371	IJRST
7	Parallel & Migrating Crawler –A Review	Ajay Kumar, Komal Sachdeva	International Journal of Applied Engineering Research	Volume 06, Issue 05, April 2011	Scopus	0.602	RIP (Research India Publications)

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
Nil							

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	Drunken driving detection techniques: A review	Ajay Kumar, AnubahvTyagi, Ashish Kumar	International Conference on Intelligent Control & Computation for Smart Energy and Mechatronics Systems	25-26th September, 2020	-	-	JSSATE, Noida
2	Comparative Analysis of Load Forecasting on Smart Meter Data using Deep Learning Models	Ajay Kumar, Parveen Poon Terang, Vikram Bali	International Conference on Innovation in Computing	12th - 13th December, 2019	Scopus	-	IGI
3	Performance Analysis of various Wind Speed Forecasting Models using Deep Learning	Vikram Bali, Ajay Kumar, Satyam Gangwar	International Conference on Innovation in Computing	12th - 13th December, 2019	Scopus	-	IGI
4	Deep Learning based wind speed forecasting- A Review	Vikram Bali, Satyam Gangwar, Ajay Kumar	IEEE 9th International Conference, Confluence	10-11th January, 2019	Scopus	-	IEEE
5	Comparative Analysis of Optimized Algorithms for	Avantika Tiwari, Ajay Kumar	IEEE International Conference on Electrical,	2-4 Nov 2018	Scopus	-	IEEE

	Ontology Clustering		Electronics and Computer Engineering				
6	A Survey on the methodologies used for semantic document clustering	Aditi Gupta, JyotiGautam, Ajay Kumar	IEEE International Conference on Energy, Communication, Data Analytics and Soft Computing	August 2017	Scopus	-	IEEE
7	Plant Disease Detection Using Convolutional Neural Network: A Review	Ajay Kumar, Vikram Bali, Shubhangi Pandey, Riya Gupta	National Conference on next generation computing technologies and their role in national development	22nd August, 2020	-	-	ITS, Ghaziabad
8	A Novel Framework For Proposed Focused Crawler	Ajay Kumar, Nisha Chhabra	National Conference at Applied College of Management & Engineering	june 2011	-	-	ACME, Palwal

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	One Week International Online FDP on Recent Advances in Computer Science and Allied Domains	School of Engineering & Technology, Sharda University, Greater Noida.	8th-12th June 2020
2	One Week FDP on Transforming Education with Industry 4.0	Jaypee University of Information Technology, Solan.	15th-20th June 2020
3	One Week FDP on Operation	Meerut Institute of	30th May-4th June 2020

	management: developing new perspectives in the era of AI/ML	technology, Meerut	
4	One Week Online FDP on Artificial Intelligence	Lendir Institute of Engineering & Technology	22nd May-26th May 2020
5	Two weeks online FDP on & PYTHON	IIT Bombay	22nd June-04th July 2020
6	One Week Short term Course on Internet of Things	JSSATE, Noida	06th August-10th August 2018
7	One Week FDP on “Soft Computing: Techniques, Tools, and Applications	JSSATE, Noida	11th June-15th June 2018
8	One Week FDP on “Industrial Automation with Robotics and 3D Printer” @ Instrumentation and Control Engineering	JSSATE, Noida	04th June-09th June 2018
9	Two Weeks FDP on Signal & Image Processing: Issues, Challenges & Techniques	DCRUST Murthal	01st January – 12th January, 2018.
10	One Day workshop on Python Programming	Oxford University Press India Head Office, Noida.	Feb 3, 2018
11	One Week FDP on Scilab	NITTTR Chandigarh	21 st -25 th August 2017
12	One Week FDP on “Cloud Computing”	NITTTR Chandigarh	05th -09th December 2016
13	One Week FDP on “Artificial Neural Networks”	NITTTR Chandigarh	25th -29th April 2016.
14	One Week FDP on “Operation Research”	NITTTR Chandigarh	28th March-01st April 2016.
15	One Week FDP on “MATLAB and its Hardware Interface”	NITTTR Chandigarh	11-15th January 2016
16	One Week FDP Main on “Instructional Planning & Delivery”	NITTTR Chandigarh	11-15th May 2015.
17	Two Week ISTE Main Workshop on “Computer Networking”	IIT Bombay	30th June to 5th July 2014.
18	One day National workshop on Emerging trends in Information Retrieval	GLA University ,Mathura	27th September 2014

19	Three days workshop on RTC tool	JSSATEN and IBM	28th to 30th, October 2013.

v. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
1	Five Days Global E-Symposium on “Global Pandemic Outbreak: Role of Technology & Automation	JSSATE, Noida.	May 2020	Organizing Committee (Technical)
2	Two Days International Conference on Intelligent Control and Computation for Smart Energy and Mechatronics Systems	JSSATE, Noida.	September 2020	Organizing Committee

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

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

9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1	Twelve weeks NPTEL Course on “Introduction to Algorithms and Analysis,	IIT Kharagpur	Jan-April 2020	90%
2	Twelve Week NPTEL Course on Introduction to Automata, Languages and Computation	IIT Madras	Jan-Apr, 2019, Silver Elite Medal	82%

10.Membership of Professional Bodies:

1.International Association of Engineers: 226386
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11. Any other information you will like to share about your professional experience

1. Qualified UGC-NET July 2019
2. Qualified HTET 2020
3. Qualified GATE 2012