

Brief Profile

Dr. Himanshu Sharma



Brief Profile:

Dr. Himanshu Sharma is presently working as Professor & Associate Dean in School of Computer Science & Engineering (CSE) at Integrated Institute of Learning & Management (IILM), University, Gr. Noida, Gautam Budh Nagar, Uttar Pradesh (U.P) since 2025. He has worked as Associate Professor in GLA University, Greater Noida, Uttar Pradesh (U.P), India from 2024 to 2025. He has worked as the Dean / Head (R&D) & Associate Professor in Noida Institute of Engineering & Technology (NIET), Greater Noida from 2023 to 2024. He has worked as a Postdoctoral Research Fellow in the field of Industry 4.0 at Aalborg University, Denmark, Europe (*QS world rank #46*) from 2022 to 2023. He worked as *Associate Professor (Research)* in KIET Group of Institutions, Ghaziabad, Delhi-NCR, U.P, India from 2008 to 2022. He has worked in HCL Infosystems Ltd., Noida as Computer Network Engineer from 2002 to 2005. He has done executive Master of Business Administration (eMBA) from University of Western Australia (UWA), Australia (*QS world rank #72*) in 2026. He has completed one year Professional Certificate Program in Advance Business Management from Indian Institute of Management (IIM), Kozikhode in 2025. He received his Ph.D. Degree in the field of Internet of Things (IoT) & Machine Learning from Jamia Millia Islamia (central govt. university) (*NIRF rank #3*), New Delhi, India in 2019. He has also done M.Tech. & B.Tech. from the state govt. Dr. APJ Abdul Kalam Technical University (AKTU), Lucknow, U.P, India in the year 2014 and 2008 respectively.

Dr Sharma has published over 50 research paper and books in SCI/ Scopus/ IEEE Transactions / Elsevier / Springer journals, conferences and books. His Google scholar citations are 1050, h-index is 9 and i-10 index is 9. He has been awarded the *IEEE Most well Read Article award-2021* from IEEE, USA in the Year 2022. He has received the prestigious **“Best Faculty Award 2020”** from the state govt. Dr. APJ Abdul Kalam Technical University (AKTU), Lucknow, U.P, India, in the year 2020.

RESUME

Dr. Himanshu Sharma

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1. Career Objective:

- Looking for a leadership role with multi-disciplinary academics, research & management principles to lead the institution to a higher orbit of excellence.

2. Professional Experience: 20 Years

S. No.	Organisation Name	Designation	School/ Department	Duration
1.	IILM University, Greater Noida, U.P.	Professor & Associate Dean	Computer Science & Engineering (CSE)	2025 – till present
2.	GLA University, Mathura, U.P, India (<i>NIRF rank #101-150 band</i>)	Associate Professor & Head (Innovation Cell)	Computer Engineering & Applications (CEA)	2024 - 2025
3.	Noida Institute of Engineering & Technology (NIET), Greater Noida, U.P, India (<i>NIRF rank #101-150 band</i>)	Associate Professor & Dean/ Head (R&D)	Electronics & Communication (ECE)	2023 - 2024
4.	Aalborg University, Denmark, Europe (<i>QS world rank #46</i>)	Postdoctoral Fellowship (PDF)	Interdisciplinary / Industry 4.0	2022-2023
5.	KIET Group of Institutions, Ghaziabad, U.P, India (<i>NIRF rank #151-200 band</i>)	Associate Professor	ECE	2020-2022
		Asst. Professor		2009-2020
6.	ABES Engineering College, Ghaziabad, U.P, India (<i>NIRF rank #151-200 band</i>)	Lecturer	ECE	2008-2009
7.	HCL Infosystems Ltd, Noida, U.P, India	Computer Hardware & Networking Engineer	Computer Engineering	2002-2005

3. Academic Qualifications:

S. No.	Class/ Standard	School / College / Institute Name	Board /University	Field	Marks (%)	Year
1	Master of Technology (M.Tech.)	GRD Institute of Management & Technology, Dehradun, Uttarakhand	Uttarakhand Technical University (UTU), Dehradun	Computer Science Engineering (CSE)	73.4%	2026
2	Executive Master of Business Administration (e-MBA)	1 st year: Indian Institute of Management (IIM), Kozhikode 2 nd Year: University of Western Australia (UWA)	University of Western Australia (UWA) (QS world rank #72)	e-MBA (Global)	92%	2026
3	Doctor of Philosophy (Ph.D.)	Jamia Millia Islamia, (central govt university) New Delhi, India (NIRF ranking # 3)	Jamia Millia Islamia, New Delhi, India	Computer Science Engineering	87%	2019
4	Master of Technology (M.Tech.)	KIET group of Institutions, Ghaziabad, U.P, India (NIRF ranking # 187)	Dr. APJ Abdul Kalam Technical University (AKTU), Lucknow, U.P., India	Electronics & Communication (ECE)	72%	2014
5	Bachelor of Technology (B.Tech.)	A.B.E.S. Engineering College, Ghaziabad (U.P.), India (NIRF ranking # 201-250)	AKTU, Lucknow, U.P., India	ECE	74%	2008
6	Polytechnic Diploma	Govt. Polytechnic Institute, Ambala City, Haryana, India	Haryana State Board of Education (HSBS), Haryana, India	ECE	76%	2002
7	Senior Secondary (12 th)	S.S.B.S. School City, Haryana, India	HSBS, Chandigarh	Economics, Commerce, Management	63%	1999
8	Metric (10 th)	Govt. School, Kaithal City, Haryana, India	HSBS, Chandigarh	Maths, English, Science	66%	1997

3.1 Workdone @ IILM University, Greater Noida

(Duration: 2025-Till date)

School: School of Computer Science & Engineering (SCSE)

- Overall Administration as Associate Dean
- **Support the Dean:** Assist the Dean & VC in planning, policy-making, BoS member and executing the vision of the School of CSE.
- **Faculty Management:**
 - Coordinate recruitment, taking interviews, orientation, and mentoring of faculty.
 - Facilitate faculty development programs, workshops, and FDPs.
 - Promote quality teaching and performance appraisal.
- **Program Oversight:** Ensure smooth conduct of academic programs (B.Tech., M.Tech., PhD) -timetable, course allocation, lab management.
- **Accreditation & Compliance:** Contribute towards NAAC/NBA/NIRF accreditations, prepare documentation, and ensure compliance with AICTE norms.
- **Research & Grants:** Promote funded projects, patents, industry research collaborations, and research publications.

Subjects Taught @ IILM University, Gr. Noida:

S.No.	Theory Subject	Lab	Class
1	Python Programming	Python programming lab	BCA 2 nd yr.
2	Deep Learning	Software Engineering Lab	B.Tech 3 rd yr. (CSE)

3.2 Workdone @ GLA University, Gr. Noida

Designation: Associate Professor & Head Innovation Cell

(Duration: 2024- 2025)

Department: Computer Engineering & Application

Major Contributions:

- Founded Enterprenuership & Innovation Cell (*e-cell*) at new campus at Greater Noida.
- Teaching of Python Programming & Artificial Intelligence subjects to B.Tech. CSE students.

Subjects Taught @ GLA University, Gr. Noida:

S.No.	Theory Subject	Lab	Class
1	Python Programming	Python programming lab	B.Tech 1 st yr. (CSE)
2	Artificial Intelligence	Artificial Intelligence Lab	B.Tech 1 st yr. (CSE)

3.3 Workdone @ Noida Institute of Engineering & Technology (NIET), Greater Noida, U.P,

India: (affiliated to Dr. APJ Abdul Kalam Technical University, Uttar Pradesh (U.P), India)

Designation: Associate Professor & Dean / Head (R&D)

(Duration: 2023-2024)

Department: Electronics & Communications (*Teaching to CSE branch students*)

Major Contributions:

- Headed a common R&D framework for maximizing research outcomes in alignment with NBA/ NAAC/ NIRF and QS world rankings.
- Headed a team of 16 heads of departments (HoDs) and 400 faculty members for setting the overall vision, roadmap & development of R&D echosystem in the entire institute.
- Headed center of excellence of 5G & IoT with Capgemini, and Nokia.
- Liasoning with Govt Departments (DST & DSIR, New Delhi) for R&D Project Applications.
- Foriegn Universities collaborations for joint MoUs for R&D activities such as organsing conferences, joint publications etc.
- Promoted Research funding culture by mentoring faculties & HoDs to apply for various govt funding schems of DSIR/ DST/ DBT/ IITs/MSME/ CSIR/ SERB-SURE.
- Headed Science, Technology & Engineering Map (STEM) portal website for all R&D equipments of the Institute for shared equipments, resources utilization & revenue generation. (<https://www.istem.gov.in>)
- As Chief Editor of two NIET journals, published & managed all volumes, DOI numbers for Google Scholar Indexing & citations. <https://www.njet.org/> , <https://www.njom.org/>

Subjects Taught @ NIET Gr. Noida:

S.No.	Theory Subject	Lab	Class
1	Machine Learning	Machine Learning Lab	B.Tech 5 th Sem.(CSE)
2	Artificial Intelligence	Artificial Intelligence Lab	B.Tech 6 th Sem.(CSE)

3.4 Workdone @ Aalborg University, Denmark, Europe: (Duration: 2022-2023)

Designation: Postdoctoral Fellowship (PDF)

Field of Research: Computer Science Engineering, 5G, IoT, AI & ML, Industry 4.0

EU Project Title: Digital Twin for Industry 4.0 using AI and 5G

Supervisor Name: Prof. Preben Mogensen, Professor, & Principal Scientist, Nokia-Bell Labs, Denmark

Major Contributions:

- Headed a team of 15 engineers & researcher to develop the Industrial IoT solutions for Industry 4.0.
- Installed an Industrial IoT based on an Ultra-Wide Band (UWB) based indoor positioning system using 16 Anchors and 10 tags in the AAU Smart Production Lab at Aalborg University.
- Calibrated Camera-Vision-based positioning system for indoor tracking for people's safety.
- Guided two master student projects in computer science engineering.
- Worked as a visiting Researcher at **Arhus University** for the development of surveillance Drone for European Union Pipeline Project.

3.4. Workdone @ KIET Group of Institutions, Ghaziabad, U.P, India: (affiliated to Dr. APJ Abdul Kalam Technical University, Uttar Pradesh (U.P), India)

Designation: Associate Professor (2020-2022), Asst. Professor (2009-2020)

Department: Electronics & Communication (Duration: 2009-2022)

Major Contributions:

- Headed all Technical Projects Exhibitions at the institute level of B.Tech. Students, KIET, Ghaziabad.
- Student Mentor of B.Tech. ECE, 3rd Year B section.
- Head Coordinator (Deptt. Level) of the Institute's annual Techno-Cultural function.
- Organizing Committee member of Two AICTE-sponsored International Conferences on Communications and Electronics (ICCE-2012 and ICCE-2013) at KIET, Ghaziabad.
- Class Coordinator B.Tech. 2ndYear.
- Headed Digital Electronics Lab, EDC Lab, M.Tech. Simulations Lab. Established, updated, and optimized the Training Kits, Hardware, Software, and Lab Manuals in KIET, Ghaziabad.
- Headed Research Centre of Excellence "Wireless Sensor Networks & IoT Lab" in KIET, Ghaziabad.
- Prepared many documentation files regularly for ISO, UGC, AICTE, NBA, and NAAC visits for accreditation.
- Guided more than 500 undergraduate B.Tech and postgraduate M.Tech student projects.

Subjects Taught @ KIET, Ghaziabad:

Electronics & Communication Engineering (ECE)	Computer Science Engineering (CSE)
Basic Electronics	Internet of Things (IoT)
Electronics Devices	Machine Learning (ML)
Digital Electronics	Artificial Intelligence (AI)
Analog Communication	
Digital Communications	Data Communication Networks (DCN)

Wireless & Mobile Communications	
Wireless & Mobile Communications	Wireless Sensor Networks
5G Technology	Research Methodology

3.5 Workdone @ ABES Engineering College, Ghaziabad, U.P., India (affiliated to Dr. APJ Abdul Kalam Technical University, Uttar Pradesh (U.P), India) **(Duration: 2008-2009)**

Designation: Lecturer

Department: Electronics & Communication

- Teaching theory subjects & lab practicals to B.Tech students.

3.6 Workdone @ HCL Infosystems Ltd, Noida, U.P, India: **(Duration: 2002-2005)**

Designation: Customer Support Engineer

- Computer hardware & networking (Hubs/Switches/Routers) installation & troubleshooting.

4. Ph.D. Thesis Field: WSN, IoT, AI & Machine Learning.

- Title:** Renewable Energy-based power management for Wireless Sensor Networks (WSN).
- Ph.D. Supervisors:** Dr. Ahteshamul Haque, Prof. Z A Jaffery, Jamia Millia Islamia (a central university), Govt. of India, New Delhi, India.

5. M. Tech. Thesis: Modulation & Error Correction Codes for Energy-Efficient WSN.

6. Field of Specialisation with Hands-on Practice / Skills:

- Wireless Sensor Networks (WSN) and Industrial Internet of Things (IIoT)
- IEEE 802.15.4 (LPWAN) and 3GPP standards for 5G communication networks
- Indoor Positioning using UWB and Camera Vision sensors
- Artificial Intelligence & Machine Learning for IoT
- Solar Energy Harvesting for Small Wireless Embedded Systems & IoT.
- UWB tags, WSN, Bluetooth, Wi-Fi, 4G, 5G network router devices
- Network designing with Qualnet, NetSim 11.0 Network GUI-based Simulator.
- MATLAB / SIMULINK 2022, MQTT Server & Client Configuration.

7. MOOC Course Videos Lectures Developed:

“Future Innovations by Dr. Himanshu Sharma”, YouTube channel Link:

<https://www.youtube.com/channel/UC9IMpLtplYkAjexzniY09RA>

S.No.	My Online Video Lecture Series	Course/ Branch
1	Electronics Devices	B.Tech./ ECE/EN
2	Internet of Things (IoT)	B.Tech. / CSE/IT/MCA
3	Machine Learning	B.Tech. / CSE/IT/MCA

8. Professional International Courses / Industrial Trainings Attended:

S.No.	Name of Course / Training	Organization Name	Offline/ Online	Year
1	Project Management & International Organisations	Aalborg University, Denmark, Europe	Offline	Spring, 2022
2	Problem-based Learning (PBL) Course	Aalborg University, Denmark, Europe	Offline	Fall, 2022
3	Programming for Everybody	Michigan University, Coursera, USA	Online	May 2020
4	Wireless Communication for Everybody	Yonsei University, Coursera, Korea	Online	May 2020

5	Machine Learning	IIT, Madras, India	Online	April 2020
6	Patent Drafting for Beginners	IIT, Kharagpur, NPTEL, India	Online	Sept 2019
7	Wireless Ad hoc& Sensor Networks	IIT, Kharagpur, NPTEL, India	Online	June 2018
8	Design of Photovoltaic System	IISc, Bangalore, NPTEL, India	Online	Oct. 2018

9. Masters (M. Tech.) Student Thesis Guided:

S. No.	Name of Student	Master Level Thesis Title	Department	Institute/ University	Year
1	Ashish Sarwan	AI based Syndicate Banking System for Startup companies	Computer Science	NIET Gr. Noida, AKTU, Lucknow, India	2024
2	Anuradha Singh	AI based Career Counselling System	Computer Science	NIET Gr. Noida, AKTU, Lucknow, India	2024
3.	Frederik Sørensen	Hardware Lock for Crypto Currency financial transactions	Computer Science Engineering	Aalborg University, Denmark, Europe	2023
4.	Anders Brøsted	Indoor Plant Health monitoring using IoT	Computer Science Engineering	Aalborg University, Denmark, Europe	2023
5.	Pooja Agarwal	Energy Harvesting Wireless Sensor Networks	Electronics & Communication	KIET, Ghaziabad, AKTU, Lucknow, India	2017
6.	Rohit Tiwari	Industrial Wireless Sensor Networks: Design Challenges	Electronics & Communication	KIET, Ghaziabad, AKTU, Lucknow, India	2017

11. Achievements/ Awards:

S. No.	Award / Achievement	Organization	Event Name, Place & Date	Renowned/ Eminent Person in Event	National / Inter-National
1	IEEE Most Well-read Article Award-2021	IEEE Smart Cities Newsletter, USA	Online, November 2022	Phyllis Caputo, Program Manager, IEEE, USA	Inter-national
2	“Best Teacher Award -2020” in AKTU	Dr. APJ Abdul Kalam Technical University (AKTU), State Govt., Lucknow, U.P., India	AKTU Teachers Day Celebration Lucknow, U.P, India, 5 Sept. 2020	Sh. M.P. Punia, Vice Chairman AICTE, Prof. Vinay Pathak Vice Chancellor, AKTU, Lucknow, U.P., India	State level
3	“Sir C.V. Raman Award-2020” for Best Researcher in KIET	KIET Group of Institutions, Ghaziabad, U.P., India	KIET Group of Institutions, Ghaziabad, 5 Sept. 2020	Dr. (Col.) A. Garg, Director Dr. Manoj Goel, Director (Admin)	Institute
4	Zero Investment Innovation for Education Initiative (ZIIIEI) Awards-	Shri Aurobindo Society & HDFC Bank, India	ZIIIEI Awards-2020	Director, ZIIIEI	National

	2020				
5	Achieved Central Govt. Job as Scientific Assistant (B), 2006	Nuclear Power Corporation of India Ltd. (NPCIL), Govt. of India, Mumbai, Maharashtra, India	Offer Letter No. NPCIL/CO/HRT/SA/R&DES/2006/R/15, 18 April, 2006	Director, NPCIL	National
6	College campus selection, 2002	HCL Infosystems Ltd, Noida, U.P, India	Govt. Polytechnic Ambala City, Haryana, 2002	HR Manager, HCL Infosystems Ltd.	Institute

12. Invited Keynote Speaker / Expert Talk Sessions:

S. No.	Name of Organization	Seminar/ Expert talk Event name	Date
1	Aalborg University, Denmark, Europe	Problem-based Learning (PBL) Workshop	Feb. 2023
2	Quantum University, Roorkee, Uttarakhand, India	IEEE International Conference, ICFIRTP-2022	Nov. 2022
3	HRIT Group of Institutions, Ghaziabad, U.P, India	FDP on IoT& its applications sponsored by AKTU, Lucknow	Sept. 2018

13. Faculty Development Programs (FDP)/ Webinar Organised:

S. No.	Name of Course	Organizing Institute	Year
1.	FDP on MATLAB & its Application	Design Tech Systems Ltd., Delhi	May 2020
2.	FDP on IoT & its Applications	E& ICT Academy, IIT Roorkee	Oct. 2019
3	FDP on Artificial Intelligence & Machine Learning	E& ICT Academy, IIT Roorkee	Dec. 2018
4	2 weeks summer training program on “NI LABVIEW Hardware & Software”	National Instruments, Delhi	June 2018

14. Conferences Organised:

S. No.	Name of Conference	Date & Venue	Responsibility	Year
1	1 st IEEE International Conference on Emerging Technologies and Innovation for Sustainability- EmergIN' 2024	22 November 2024, NIET, Gr. Noida	Information Chair and Publication Chair	2024
2	1 st International Conference on Application of AI in 5G & IoT -2024 (ICAAI5GI2024)	10- 08-2024 NIET, Gr. Noida	Organizing Secretary	2024
3	4 th International (Online) Conference on Recent Trends in Communication & Electronics(ICCE-2020)	28-11-2020, KIET, Ghaziabad	Sponsorship, Participants Registration, Research papers Reviewer, Organising Team Member	2020
4	3 rd International Conference on Recent Trends in Communication & Electronics(ICCE-2018)	28 -12-2018, KIET, Ghaziabad	Research papers Reviewer, Certificate Design & Distribution, Organizing Team Member	2018
5	2 nd International Conference on Recent	28-11-2013,	Sponsorship, Participants	2013

	Trends in Communication & Electronics(ICCE-2013)	KIET, Ghaziabad	Registration, Research papers Reviewer, Organizing Team Member	
6	1 st International Conference on Recent Trends in Communication & Electronics(ICCE-2013)	19-10-2012, KIET, Ghaziabad	Sponsorship, Participants Registration, Research papers Reviewer, Organising Team Member	2012

15. Govt. /Industry Funded Research Projects/ Consultancy:

S. No.	Project Title	Funding Agency/ Govt./ Industry Name	Principal Investigator (PI)/ Co-PI	Amount	Year	Status
1	Grant for 1 st International Conference on Application of AI in 5G & IOT -2024	Dept. of Scientific & Industrial Research (DSIR), under Dept. of Science & Technology (DST), Govt. of India	Dr. Himanshu Sharma (PI), Dr. Pavan Shukla (Co-PI)	2,50,000 INR	2024	Granted
2.	IoT Enabled Healthcare Ecosystem	Technology Innovation Hub (TIH) for IoT and IoE, Indian Institute of Technology (IIT), Bombay, TIH-IoT Technology Development Program-2023	Dr. Himanshu Sharma (PI), Mr. Mayank Deep Khare (Co-PI)	47,00,000 INR	2025	1 st round PPT presentation given
3.	Design and development of Moisture Sensor & GSM Sensor for the Paper and pulp Industry	Rajiv Machine Pvt. Ltd. (Formerly Ghaziabad Technocrats Ltd.) Ghaziabad, U.P., India	Dr. Himanshu Sharma, (PI), Dr. Shubham Shukla (Co-PI)	1,00,000 INR	2022	completed
5	Fuel Production from Waste Algae	AICTE- ChattraVishwakarma Awards AICTE, New Delhi	Parth Dogra, Dr.Himanshu Sharma	25,000 INR	2019	completed
6	Electricity generation from Piezoelectric crystals for two-wheeler headlight	Techkriti, 2016 Annual Techfest, IIT Kanpur	Apoorv Agarwal, Dr. Himanshu Sharma	25,000	2016	completed

16. Research Publications:

Type of Research Publications	Quantity
Journals Publications (IEEE/ Elsevier/ Springer/ SCI/Scopus/ABDC)	13
Conferences Publications	25
Patents	7
Books	5
Book Chapters	4
Others Publications (Magazines/Google Scholar)	17
Total Publications =	71

• Journals Publications:

[1]. Nidhi Poonia, Himanshu Sharma, Alok Aggrwal, Munish Sabharwal, “Custom Layer Integration for

- Mode Collapse Mitigation in DCGANs on Small Imbalanced Datasets”, International Journal of Information Technology, 2026. (*Scopus Indexed Journal, accepted*)
- [2]. Tarun Kumar, Arun Kumar, Himanshu Sharma, “Machine Learning–Driven Human Resource Decision Strategies for Enhancing Employee Retention and Organizational Growth”, Journal of Advances in Consumer Research, Volume-2, Issue-5, Nov 2025. (*ABDC Journal*)
 - [3]. Development of A Comprehensive IoT-Based Monitoring Application for High-Risk Pregnancies Enhancing Maternal and Fetal Health Outcomes, International Journal of Basic and Applied Sciences, Volume 14, Issue 2, 2025. (*Scopus Indexed Journal*) <https://doi.org/10.14419/wf3p9b62>
 - [4]. P.P. Gupta, V. N. Kalkambkar, **Himanshu Sharma**, “Optimal Scheduling of EV Charging Station with Solar PV Generation Considering N-K Outages and Network Losses”, **IEEE Transactions on Industry Applications**. Jan 2025. (*SCI-Q1, journal*), (Impact Factor: 4.4).
 - [5]. P. Srivani, **Himanshu Sharma**, R. Porwal, “Integrating Natural Language Processing with AdaBoost, Random Forest, and Logistic Regression for an Advanced Ensemble-Based Network Intrusion Detection Model”, **Journal of Information Systems Engineering and Management**, Vol. 10 No. 3, Dec. 2024. (*Scopus*)
 - [6]. Sepideh Valiollah, Melisa Lopez, Sebastian Bro Damsgaard, **Himanshu Sharma**, Ignacio Rodriguez, Preben Mogensen, “Experimental Evaluation and Modeling of the Accuracy of Real-Time Locating Systems for Industrial Use”, **IEEE Access Journal**, volume 12, (*SCI-Q1 journal*), 2024. ISSN: 2169-3536, DOI: 10.1109/ACCESS.2024.3405393.
 - [7]. Usha Kiran, Poonam Maurya, **Himanshu Sharma**, “Investigating Routing Protocol Attack for Low Power and Lossy IoT Networks”, SN Computer Science, Springer Journal, volume 5, Issue 4, (*eSCI and Scopus*), April 2024. ISSN 2661-8907, <https://doi.org/10.1007/s42979-024-02747-y>.
 - [8]. Altaf Alam, Z A Jaffery, **Himanshu Sharma**, “A cost-effective computer vision-based vehicle detection system”, Concurrent Engineering Journal, SAGE Publication, Volume 30, issue 2, pages 148-158, June 2022. (*SCI journal*, Impact Factor (IF) 2.5), ISSN 15312003. <https://doi.org/10.1177/1063293X211069193>
 - [9]. **Himanshu Sharma**, Ahteshamul Haque, “Artificial Intelligence, Machine Learning & Internet of Medical Things (IoMT) for COVID-19 & Future Pandemics: An Exploratory Study”, **IEEE Smart Cities Newsletter**, IEEE, USA August 2021. (*awarded as IEEE Most Read Article-2021*) <https://resourcecenter.smartcities.ieee.org/publications/enewsletters/SMCNL0025>
 - [10]. **Himanshu Sharma**, Ahteshamul Haque, Fredeblabjerg, “Machine Learning in WSN-IoT for Smart Cities”, Electronics Journal, MDPI, vol.10, no. 1012, April 2021. (*SCI, IF 2.41*), ISSN 2079-9292. <https://doi.org/10.3390/electronics10091012>
 - [11]. **Himanshu Sharma**, Ahteshamul Haque, and Zainul A. Jaffery, “Maximization of Wireless Sensor Networks Lifetime using Solar Energy Harvesting for Smart Agriculture Monitoring”, Adhoc Networks Journal, Elsevier, Netherlands, Europe, Vol. 94, November 2019. (*SCI, IF 3.49*), ISSN 1570-8705. <https://doi.org/10.1016/j.adhoc.2019.101966>
 - [12]. **Himanshu Sharma**, Ahteshamul Haque, and Zainul A. Jaffery, “Solar energy harvesting wireless sensor network nodes: A survey”, Journal of Renewable and Sustainable Energy, American Institute of Physics (AIP), USA, vol.10, no.2, pp.1-33, March 2018. (*SCI, IF 2.14*), ISSN 1941-7012. <https://doi.org/10.1063/1.5006619>
 - [13]. **Himanshu Sharma**, Ahteshamul Haque, and Zainul A. Jaffery, “Modelling and Optimization of a Solar Energy Harvesting System for Wireless Sensor Network Nodes”, Journal of Sensor and Actuator Networks, MDPI, USA, vol. 7, no. 3, pp.1-19, September 2018. (*eSCI and Scopus, IF 2.96*), ISSN 22242708. <https://doi.org/10.3390/jsan7030040>

• Conferences Publications:

- [1]. Poonam Maurya, Himanshu Sharma, Troels Bundgaard Sørensen, “The Impact of LoRaWAN Relay mode on IoT End Node Energy Consumption”, IEEE international workshop conference on Metrology for Agriculture and Forestry, 2024.
- [2]. Sameer Raj, Himanshu Sharma, Shomya Kumari, “Breast Cancer detection using IoT and ML”, 1st International Conference on Application of AI in 5G & IoT -2024 (ICAAI5GI2024), CRC Press (Taylor & Francis), Scopus Indexed, NIET, Greater Noida, U.P, India, 10 Aug. 2024.
- [3]. Anuradha Singh, Dr. Himanshu Sharma, Ankur Chaudhary, “Effectiveness of Llama 2 in Addressing

- Career Development Needs: A comprehensive Review”, 1st International Conference on Application of AI in 5G & IoT -2024 (ICAAI5GI2024), CRC Press (Taylor & Francis), Scopus Indexed, , NIET, Greater Noida, U.P, India, 10 Aug. 2024.
- [4]. Nitesh Kumar Bairwa, Garima Jain and Himanshu Sharma, “A Comprehensive Survey of 6G-V2X Communication in UAVs”, 1st International Conference on Application of AI in 5G & IoT -2024 (ICAAI5GI2024), CRC Press (Taylor & Francis), Scopus Indexed, NIET, Greater Noida, U.P, India, 10 Aug. 2024.
 - [5]. Anushka, Swati Soni, Himanshu Sharma, Wideband Antenna design for 5G communication, 1st International Conference on Application of AI in 5G & IoT -2024 (ICAAI5GI2024), CRC Press (Taylor & Francis), Scopus Indexed, NIET, Greater Noida, U.P, India, 10 Aug. 2024.
 - [6]. Shaina, Renu Devi, Himanshu Sharma, “Review Paper on Smart Farming Using IOT”, 1st International Conference on Application of AI in 5G & IoT -2024 (ICAAI5GI2024), CRC Press (Taylor & Francis), Scopus Indexed, NIET, Greater Noida, U.P, India, 10 Aug. 2024.
 - [7]. Poornima Tyagi, Pragya Singh, Himanshu Sharma, “Investigating Features for Lung Cancer Classification using Machine Learning”, 1st International Conference on Application of AI in 5G & IoT -2024 (ICAAI5GI2024), CRC Press (Taylor & Francis), Scopus Indexed, NIET, Greater Noida, U.P, India, 10 Aug. 2024.
 - [8]. Ashish Kumar, Himanshu Sharma, “A review of syndicate lending practices: harnessing the power of llama 2 for effective loan syndication”, 1st International Conference on Application of AI in 5G & IoT -2024 (ICAAI5GI2024), CRC Press (Taylor & Francis), Scopus Indexed, NIET, Greater Noida, U.P, India, 10 Aug. 2024.
 - [9]. Manpreet Kaur, Dr. Jaspreet Singh, Dr. Himanshu Sharma, “Challenges in Applying AI Techniques in WSN for Network Lifetime Optimization – A Review”, 1st International Conference on Application of AI in 5G & IoT -2024 (ICAAI5GI2024), CRC Press (Taylor & Francis), Scopus Indexed, NIET, Greater Noida, U.P, India, 10 Aug. 2024.
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17. Patents Filed / Published / Granted:

S. No.	Title of Patent Application	Patent Application Number	Name of Applicant	Name of Inventors	Publication/Grant Date	Status
1.	Autonomous mobile robot localization with 5G for smart industries (<i>German Parent</i>)	German Patent 20 2023 100 571.3	Dr. Himanshu Sharma	Dr. Himanshu Sharma, Dr. Mohit Bhola, Dr. Abhijit	6 June 2023	Granted
2.	Wireless sensor device for environmental monitoring using the Internet of Things (<i>Indian Design Patent</i>)	356912-001	Dr. Himanshu Sharma	Dr. Himanshu Sharma, Ms. Shalika Arora, Mr. Vipin Kumar Verma	18 Jan 2022	Granted
3.	Novel Wavelet-based Multiresolution method with Optimization Techniques for process Control and Disturbance Rejection (<i>Australian Patent</i>)	2021105027	Dr. Himanshu Sharma	Dr Abhas Kanungo, Dr Monika Mittal, Dr Himanshu Sharma	05 Aug. 2021	Granted

4.	AI & IoT-based Smart Shopping Cart System (Australian Patent)	Australian Patent 2021104273	Dr. Himanshu Sharma	Dr. Himanshu Sharma, Dr. Varun Gupta, Dr. Abhas	25 August 2021	Granted
5.	A Memory-based Brain-Computer Interface (BCI) system for monitoring physiological signals of the brain (Australian Patent)	2021104513	Dr. Himanshu Sharma	Dr. Varun Gupta, Dr. Vikas Mittal, Dr. Himanshu Sharma	30 July 2021	Granted
6.	Solar Energy-based Power Management in Wireless Sensor Nodes for Smart Agriculture (Indian patent)	201911025137	Dr. Himanshu Sharma	Dr. Himanshu Sharma, Dr. Ahteshamul Haque, Prof. ZainulAbdinJaffery	01 Jan. 2021	Published
7.	Gesture Recognition System for dumb-Mute People (Indian patent)	Indian Patent 202011026116	KIET Group of Institutions, Ghaziabad	Dr. Himanshu Sharma, Dr. Vibhav Kumar Sachan, Dr. Sanjay Sharma, PriyanshShankhdhar, Parth Dogra,	04 Sept. 2020	Published

18. Books Published:

S. No.	Author/ Editor	Title of Book	Publisher Name	ISSN/ ISBN	Year
1.	Ahteshamul Haque, Akhtar Kalam, Himanshu Sharma	Smart Cities: Power Electronics, Renewable Energy and Internet of Things	CRC Press, Taylor & Francis	9781032669786	Feb. 2024
2.	Himanshu Sharma	Introduction to Machine Learning with Experiments	S.K. Kataria & Sons Publications, New Delhi	9789350147344	Jan. 2022
3.	Himanshu Sharma	Renewable Energy-Based Power Management For Wireless Sensor Networks	LAP LAMBERT Academic Publishers, Germany	9786203870107	Aug. 2021
4.	Himanshu Sharma	Electronic Devices and Circuits (EDC)	Technical Publications, Pune, India	9789333216326	Sept. 2018
5.	Himanshu Sharma	Modulations and Error Control Codes for Wireless Sensor Networks	LAP LAMBERT Academic Publishers, Germany	9783659528781	May 2014

• Book Chapter Publications:

- [1]. Maneesh Kumar, Himanshu Sharma, Sourav Diwania, “Fundamentals of renewable energy resources for smart cities”, book name: Smart Cities: Power Electronics, Renewable Energy, and Internet of Things, 1st Edition, CRC Press, Taylor & Fransis, p.p. 25-39, Feb. 2024. (Scopus Indexed) <https://doi.org/10.1201/9781032669809>
- [2]. Himanshu Sharma, Ahteshamul Haque, “Integration of power electronics in renewable energy for smart cities” book name: Smart Cities: Power Electronics, Renewable Energy, and Internet of Things, 1st Edition, CRC Press, Taylor & Fransis, p.p. 177-198, Feb. 2024. (Scopus Indexed) <https://doi.org/10.1201/9781032669809>
- [3]. Shrankhla Saxena, Himanshu Sharma, Abhinav Juneja, Khushboo Pandey, “Integration of IoT in renewable energy for smart cities”, book name: Smart Cities: Power Electronics, Renewable Energy, and Internet of Things, 1st Edition, CRC Press, Taylor & Fransis, p.p. 199-223, Feb. 2024. (Scopus Indexed) <https://doi.org/10.1201/9781032669809>
- [4]. Himanshi Chaudhary, Manish Bhardwaj, Shweta Singh, Himanshu Sharma, “Power electronics and IoT for electric vehicles in smart cities”, book name: Smart Cities: Power Electronics, Renewable

19. Editorial & Reviewer:

- Founding Director & Chief Editor, Mindcraft Publications, India
<https://mindcraftpublications.com/>
- **Associate Editor, Elsevier Journal**, “e-Prime - Advances in Electrical Engineering, Electronics and Energy” (**Scopus Indexed, Cite Score 2.1**) journal, 2024. [ISSN: 2772-6711]
Online Link: <https://www.sciencedirect.com/journal/e-prime-advances-in-electrical-engineering-electronics-and-energy/>
- **Guest Editor** of Special Issue on “Role of Mathematics for Futuristic Internet of Things (IoT) Applications”, Contemporary Mathematics Journal, Universal Wiser Publisher, Singapore, Asia, a scientific international journal, (**eSCI & Scopus Indexed journal**) 2023. [ISSN: 2705-1064 (Print) 2705-1056 (Online)].
- **Chief Editor** of NIET Journals of NIET Journal of Engineering & Technology [ISSN: 2229-5828] and NIET Journal of Management , (2023- 2024)[ISSN: 0975-7643].
<https://www.njet.org/> , <https://www.njom.org/>
- **Editor** of International Conference on Communication & Electronics (ICCE), organized by KIET Group of Institutions, Ghaziabad, U.P, India (2014-2022).
- Reviewer of “IEEE Internet of Things Magazine”, IEEE, USA (2016-2023).
- Reviewer “IEEE Internet of Things Journal”, USA (2016-2023).
- Reviewer “Wireless Networks” Journal, Springer, Europe (2016-2023).

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- Google Scholar h-Index = 9
- Google Scholar id:
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