

# CURRICULAM VITAE

## Dr. PUSHPENDRA KR. VERMA

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### *Objective*

To impart quality education with emphasis on Computer Science & Engineering and Information Technology and to rectify CSE and IT problems in minds of concerned one's, which they can apply in their professional life.

### *Research/Professional/Educational Qualifications*

- **Ph. D. in “Digital Right Management Model based on Cryptography for Mobile Multimedia Content” from Swami Vivekanand Subharti University, Meerut, UP, INDIA in 2017.**
- **M.Tech. (CSE) (I div. 85.53% with Award of Excellence) from Swami Vivekanand Subharti University, Meerut, UP, INDIA in May-2014.**
- **M.Phil. (CS) (I div. 66.20%) (May-2009) from Global Open University, Nagaland, INDIA.**
- **MCA (I div. 70.35%) (July-2005) from U.P. Technical University, Lucknow UP, INDIA**
- **Passed B.Sc. (Mathematics Physics Chemistry) from C.S.J.M. University Kanpur with in the year 2000.**
- **Passed Class 12<sup>th</sup> (PCM) from U.P. Board with in the year 1996.**
- **Passed Class 10<sup>th</sup> from U.P. Board with Science group in the year 1994.**

### *Teaching/Technical Skills*

#### **Subject Taught:**

*Software Engineering, System Analysis and Design, C, C++, Python, Information System, Cryptography and Network Security, Cyber Crime and Laws, Artificial Intelligence, Machine Learning, Mobile Application Development.*

#### **Programming Skills**

Operating Systems: Windows, ubuntu 18.04 ,

Databases: ORACLE 9i, SQL SERVER, MS ACCESS.

Languages: C, C++, JAVA, VB (6.0), Python, R.

Presentation Language: HTML, XML Scripting, PHP, WML Languages (Client/Server): VB Script.

#### ***UG/PG PROJECTS and PhD GUIDED***

**UG Level -110**

**PG Level-70**

**PhD-03 (Registered)**

<b>Software Project Details</b>
AIR LINES RESERVATION
<b>S/W Platform:</b> Visual Basic, MS Access, Windows XP. <b>Description:</b> This project is designed to enable automation of time schedule and fare. This project is designed to help the college administration and staff.
HOTEL MANAGEMENT SYSTEM
<b>S/W Platform:</b> Visual Basic (6.0), Windows XP. <b>Databases:</b> Oracle8i <b>Description:</b> This project was aimed to automate the operation of Hotel. Among various other options the chief options in the project are Reserving rooms for visitors. ➤ Canceling Reservation ➤ Inquiry about status of rooms ➤ Bill generation
<b>Software Project Details</b>
INTRANET WEBSITE
<b>S/W Platform:</b> Windows XP, MS Word Document, Front-end technology: JSP, ASP, HTML, Back-end technology: JSP With Oracle 9i, SQL. This software support Contact details, News, Medical, Personal Detail, Administration page, Taxable/Nontaxable, Registration, Indoor/Outdoor and Family Description.

**Participation in Seminar/Conferences/Workshop/Conclave/Training/FDP etc.**

1. Participated in National Seminar-Innovation of network Security, 27 March 2010, IPEM, GZB.
2. Participated in National Workshop on-Lesson planning a complete view of Traditional & Modern.28-29/04/2010 at Swami Vivekanand Subharti University, Meerut.
3. Participated in National Workshop on-SOFTWARE TESTING. 29 April 2011 held at KIET, Ghaziabad.
4. Attended International Conference on “Education Awareness for Social Sectors Issues in India” on 24/07/2011 conducted by Singhania University, Rajasthan and TIMES, Aligarh UP India.
5. Participated in National Seminar on-Challenges in Indian Education in Present Era. 27 August 2011 held at S.V.S University, Meerut.
6. Participated in National Seminar on-Cyber Security, 1 Feb 2012 held at GIBS, New Delhi
7. Attended International Conference on “Recent Trends in Engineering & Technology” on 28/11/2012 conducted by SITE, Swami Vivekanand Subharti University, Meerut, UP.
8. Attended International Seminar on 4G wireless networks: benefits & challenges 15 June 2012 held at MERI College, Delhi.
9. Participated in International Seminar on-Mobile Network Optimization India. 24/01/2012 held at The Park, New Delhi.
10. Attended International Conference on “Role of Technology in Nation Building” on 28/04/2013 conducted by SITE, Swami Vivekanand Subharti University, Meerut, UP.

11. International Conference on “The Role of Engineers as Entrepreneurs in Current Scenario” on 28/06/2014 organized by SITE, Swami Vivekanand Subharti University, Meerut, UP.
12. Participated “Training the Trainer” under one day FDP on 04 July 2014 at Swami Vivekanand Subharti University, Meerut, UP.
13. Participated “Overview of C Programming” under one day Faculty development workshop conducted by Oxford University press on 09 August 2014 at Swami Vivekanand Subharti University, Meerut, UP
14. Attended training program on “Entrepreneurship Orientation Programme” conducted by N.S.I.C. (A Government of India Enterprise) on 20 March 2015 at Swami Vivekanand Subharti University, Meerut.
15. Attended 07 days training program on “Preparation of Research Proposal –A multidisciplinary Approach” organized by Swami Vivekanand Subharti University, Meerut, UP.
16. Attended 03 days training program on “Educational Objectives and Learning Outcomes” conducted by Swami Vivekanand Subharti University, Meerut, UP.
17. Attended 01-day workshop on “Advance Information Technology and E-tools- A vision of digital India, on 14/05/2016 at RG College Meerut, UP.
18. Attended 15 days National workshop on Research Methodology organized by Department of Rural Management School for Management Studies at Babasaheb Bhimrao Ambedkar University Lucknow 11<sup>th</sup> to 25<sup>th</sup> January 2017.
19. Attended International Conference on Innovative Research in Engineering Science, Management and Humanities (ICIRESMH-17) on 19<sup>th</sup> Feb, 2017 at The Institutions of Electronic and Telecommunication Engineers (IETE) Lodhi Road, New Delhi, India.
20. Attended 9<sup>th</sup> International Conference Quality Reliability, Infocom Technology & Business Operations (ICQRIT-2018) on 27-29 December 2018 at The Conference Center University of Delhi, Delhi, India.
21. Attended 05 days FDP on Machine Learning organized by School of CS and Application, IIMT University, Meerut 02<sup>nd</sup> to 06<sup>th</sup> November 2019.
22. Attended 01-week FDP on “AI and Machine Learning” organized by, IIT Roorkee, Meerut 23<sup>rd</sup> to 27<sup>th</sup> Dec. 2019.
23. Attended 05 days virtual FDP on “R Programming” organized by, IIT Bombay, 25<sup>th</sup> to 29<sup>th</sup> May 2020.
24. Completion of certificate program “How to prepare your manuscript” from Elsevier Researcher Academy in 22 May 2020.
25. Completion of certificate program “Effective Collaboration in Research Sample Module, Scientific Writing and Publishing Sample Module and Focus on Peer Review” from Nature Research, Springer in 22 May 2020.
26. Attended workshop on "Intellectual Property Creation and Basic Rights” organized by IIMT-IPR Cell, Meerut on 19<sup>th</sup> May 2020.
27. Attended 01-week FDP on “Machine Learning and Data Analytics” organized by, IIT Roorkee, 15<sup>th</sup> to 22<sup>th</sup> April 2020.
28. Attended 10 days FDP on “Python 3.4.3” organized by, SRM Institute of Science and Technology, Chennai in January 2020 semester, by the Spoken Tutorial Project, IIT Bombay 20<sup>th</sup> to 29<sup>th</sup> May 2020.
29. Attended 03 days FDP on NAAC organized by, IIMT University, Meerut 04<sup>nd</sup> to 06<sup>th</sup> August 2020.
30. ICT Tools for Teaching, Learning Process and Institute” jointly organized by Electronics and ICT Academies held

from 15- 26 March, 2021 Electronics & ICT Academies, NIT Patna MNIT Jaipur PDPM IIITDM Jabalpur, IIT Guwahati, IIT and IIT Roorkee.

31. Attended 10 days FDP on “Machine Learning” organized by, IIMT University and IIT Roorkee, 13<sup>th</sup> to 30<sup>th</sup> April 2020.
32. Attended 10 days FDP on “AI and ChatGPT” organized by, IIMT University and IIT Roorkee, 19<sup>th</sup> to 30<sup>th</sup> June 2023.
33. Attended 30 days refresher course organized by UGC-Human Resource Development Centre, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Academic Building, University Campus, Aurangabad-431004(MS) in 2023.
34. Attended 01-week ATAL FDP on Advanced Computing (Supercomputing, AI, Quantum Computing by VIDYA JYOTHI INSTITUTE OF TECHNOLOGY from 18/11/2024 to 23/11/2024.
35. Attended 01-week ATAL FDP on Recent Trends in VLSI Design Using Nanotechnology by MEERUT INSTITUTE OF ENGINEERING & TECHNOLOGY from 25/11/2024 to 30/11/2024.

**Research Publications in Conference Proceedings as Full papers**

**1) National Conferences**

Sr.	Title with Page Nos.	Details of Publication	ISSN/ISBN
1.	Digital Right management to foster mobile multimedia services Page No. 223-227	National Conference on Role of IT & management in Sustainable development	978-93 -81771-00-6

**2) International Conferences**

Sr. No.	Title with Page Number	Details of Publication	ISBN Number
1.	Developing of a school or district technology plan. Page No. 64-70	International Conference on Education awareness for social sector Issues in India	978-81-313-1318-3
2.	Cloud Computing for mobility Page No. 42-50	International Conference on Recent Trends in Engineering & Technology	978-81-925922-0-6
3.	Data Protection Issues in Cloud Computing Page No. 118-125	International Conference on Role of Technology in Nation Building	97881925922-1-3
4	WHY WE NEED DIGITAL RIGHTS MANAGEMENT Page No.167-174	International Conference on Innovative Research in Engineering, Science, Management and Humanities at (IETE) Institution of Electronics and Telecommunication Engineers, Lodhi Road, Delhi, India on 19th February 2017.	978-81-932712-5-4

### **Papers Presented in National and International Conferences:**

1. Presented paper “Developing of a school or district technology plan” International Conference on “Education Awareness for Social Sectors Issues in India” Organized by Singhania University, Rajsthan and TIMES, Aligarh UP India.
2. Presented paper “4G wireless network: Benefits and challenges” International Conference on Communication Languages and Signal Processing with reference to 4G Technologies Organized by MERI College of Engineering & Technology, NCR, India.
3. Presented paper “Cloud Computing for mobility” International Conference on “Recent Trends in Engineering & Technology” Organized by Subharti Institute of Technology & Engineering, Swami Vivekanand Subharti University, Meerut, India.
4. Presented paper “Data Protection Issues in Cloud Computing” 2<sup>nd</sup> International Conference on “Role of Technology in Nation Building” Organized by Subharti Institute of Technology & Engineering, Swami Vivekanand Subharti University, Meerut, India.
5. Presented paper “Digital Right management to foster mobile multimedia services” National conference on Role of IT & Management in sustainable development” Organized by Institute of Management & Research Ghaziabad, India.
6. Presented paper “Why We Need Digital Right Management” International Conference on Innovative Research in Engineering Science, Management and Humanities (ICIRESMH-17) at The Institutions of Electronic and Telecommunication Engineers (IETE), Lodhi Road, New Delhi, India.
7. Presented paper “The Challenges of Big Data in Official Statics in India” 9<sup>th</sup> International Conference Quality Reliability, Infocom Technology & Business Operations (ICQRIT-2018) at The Conference Center University of Delhi, Delhi, India.
8. Presented paper “Epidemic analysis and protection of COVID-19 by Artificial Intelligence in Bharat” 1st Online International Conference on Rebuilding BHARAT with Artificial Intelligence Interventions after COVID-19 Pandemic: Opportunity and Challenges, organized by Department of CSE, University School of Information and Communication Technology, Gautam Buddha University, Uttar Pradesh, INDIA on May 02-03, 2020.

### **Publication (Journals)/Editing of Books/Monographs/Courseware**

1. Pushpendra Kr. Verma *et al.*, Open Mobile Alliance- Digital Right management (Page No.52-56) VSRD Technical & Non-Technical Journal, ISSN 0976-7967, Vol. I (2), 2010 pg. 52-56.
2. Pushpendra Kr. Verma *et al.*, Security for wireless Network and Intrusion Prevention, (Page No.09-21) VSRD Int. Journal of CS & IT, e-ISSN:2231-2471, p-ISSN:2319-2224, Vol. 1 (1), 2011,pg.09-21.
3. Pushpendra Kr. Verma *et al.*, Uses of Mobile in Business, VSRD International Journal of CS & IT, e-ISSN : 2231-2471, p-ISSN : 2319-2224Vol. 1 (2), 2011,pg 58-66.
4. Pushpendra Kr. Verma *et al.*, Competition of wireless network Access: Wi-Fi Versus 3G, VSRD International Journal of CS & IT e-ISSN: 2231-2471, p-ISSN: 2319-2224Vol. 1 (2), 2011,pg. 44-52.

5. Pushpendra Kr. Verma *et al.*, Digital Right management to foster mobile multimedia services, International Journal of Management, IT and Engineering, ISSN: 2249-0558 Volume 2, Issue 4, April 2012, pg.346-353.
6. Pushpendra Kr. Verma *et al.*, "4G Wireless Networks; Benefits and Challenges", International Journal of Management, IT and Engineering ISSN: 2249-0558 Volume 2, Issue 6, June 2012, pg. 434-441.
7. Pushpendra Kr. Verma *et al.*, "Digital Right management to Protect mobile multimedia contents" International Journal of Management, IT and Engineering ISSN: 2249-0558 Volume 2, Issue 11 November 2012, pg. 531-543.
8. Preety and Pushpendra Kr. Verma, Microfinance in India: Issues and challenges, International Journal of Management, IT and Engineering ISSN: 2249-0558 Volume 2, Issue 12 December 2012, pg. 632-649.
9. Pushpendra Verma *et al.*, A model for evaluating and maintaining load balancing in cloud computing" International Journal of Computer Science and Mobile Computing, Vol.3 Issue.3,ISSN 2320-088X March- 2014,pg.501-509
10. Pushpendra Verma *et al.*, "A survey Performance Analysis various cryptography Techniques Digital Contents" International Journal of Computer Science and Mobile Computing,ISSN 2320-088X ,January- 2015, pg. 522-531.
11. Pushpendra Verma *et al.*, "Light-Fidelity (Li-Fi): Transmission of Data through Light of Future Technology" International Journal of Computer Science and Mobile Computing, Vol.4 Issue.9, ISSN 2320-088X, September- 2015, pg. 113-124.
12. Pushpendra Verma *et al.*, "Digital Right Management Model Based on Cryptography for Mobile Multimedia Content" International Journal of Computer Science and Mobile Computing, Vol.5 Issue.8, ISSN 2320-088X, August- 2016, pg. 17-31.
13. Pushpendra Verma *et al.*, "Digital Right management to foster mobile multimedia services" ZENITH International Journal of Multidisciplinary Research, ISSN 2231-5780 Vol.4 (1), January (2014) pg.09-20.
14. Preety, Pushpendra Verma *et al.*, "Benefits and Challenges Faced By the Cooperative Banks" International Journal of Emerging Technologies in Engineering Research (IJETER) ISSN: 2454-6410 Volume 4, Issue 4, April (2016), pg. 61-64.
15. Pushpendra Verma *et al.*, "Digital Right Management Model Based on Cryptography for Text Content" International Journal of Emerging Technologies in Engineering Research, ISSN: 2454-6410 Volume 4, Issue 5, May (2016) pg.17-31.
16. Pushpendra Verma "Why We Need Digital Right Management" International Journal of Engineering Technology, Management and Applied Sciences, Volume 5 Issue 2, ISSN 2349-4476, Feb. 2017.
17. Pushpendra Verma "Effective Hardware enactment of LED Block Cipher" International Education and Research Journal, Volume 3 Issue 5, ISSN: 2454-9916, May. 2017 pg. 241-243.
18. Pushpendra Verma "Encryption and Preserving Data Integrity Scheme for Communication Exhausting MD5 Cryptographic Procedures" International journal for innovative research in multidisciplinary field, Volume-3 Issue 6, ISSN: 2455-0620, June 2017 pg. 128-138.
19. Pushpendra Verma "Digital Content Security with Quantum Cryptography" International Journal of Research Culture Society, Volume-2 Issue 1, and ISSN: 2456-6683, January 2018 pg. 142-148.
20. Pushpendra Verma "The Systematic Computational Analysis of Cloud Based Big Data Analytics-A Study of Present and Future Orientation" International Journal of Management, IT & Engineering, Vol. 8 Issue 6, ISSN: 2249-0558, June 2018, pg. 244-252.
21. Pushpendra Verma *et al* "Application of K-Means Algorithm to Mapping Poverty Outline by Province in India" International Journal of Recent Technology and Engineering, ISSN: 2277-3878, Vol-8, March 2020.

22. Dr. Verma P.K. *et.al.* “Design of Zebra Cross Violation Detection Model in Traffic Light Using the Adaptive Background Subtraction Method” *International Journal of Advanced Science and Technology-IJAST*, ISSN: 2005-4238 (Print), ISSN: 2207-6360 (Online) 29(05), pg. 2151-2159 March 2020.
23. Verma P.K., Preety (2020) “The Challenge of Big Data in Official Statistics in India.” *Strategic System Assurance and Business Analytics. Asset Analytics (Performance and Safety Management)*. Springer, Singapore, ISBN 978-981-15-3647-2 pp 303-314, June-2020.
24. *Artificial Intelligence to Fight against COVID-19 Coronavirus in Bharat, Data Science for Effective Healthcare Systems*, by Chapman & Hall, ISBN 9781032105680 July-2022 page:37.
25. “INTERNET OF THINGS AND SMART LIVESTOCK ARE CHANGING THE FUTURE OF AGRICULTURE” *Industrial Engineering Journal*, ISSN: 0970-2555, Vol: 52, Issue 5, No. 3, May : 2023 page-78-87.
26. ALL INCLUSIVE STUDY OF SAFEKEEPING GLITCHES AND DEFENSE MECHANISMS WITH INTERNET OF THINGS, *Industrial Engineering Journal*, ISSN: 0970-2555, Vol: 52, Issue 6, No. 31 June: 2023 page-01-10.
27. Verma, P. K., Pathak, P. ., Kumar, B. ., Himani, H., & Preety, P. (2023). Automatic Optical Imaging System for Mango Fruit using Hyperspectral Camera and Deep Learning Algorithm. *International Journal on Recent and Innovation Trends in Computing and Communication*, 11(5s), 112–117. (Scopus)
28. Verma, P. K. ., Sharma, V. ., Kumar, P. ., Sharma, S. ., Chaudhary, S. ., & Preety, P. (2023). IoT Enabled Real Time Appearance System using AI Camera and Deep Learning for Student Tracking. *International Journal on Recent and Innovation Trends in Computing and Communication*, 11(6s), 249–254. (Scopus)
29. R. Naaz, Y. Bajpai, P. Kumar Verma, N. V. Balaji, P. N. Ramesh and V. N. Aher, "Big Data and Reinforcement Learning, Emg Clustering," 2023 6th International Conference on Contemporary Computing and Informatics (IC3I), Gautam Buddha Nagar, India, 2023, pp. 2121-2125, doi: 10.1109/IC3I59117.2023.10397820. (Scopus)
30. Verma, P. K., Arya, S., & Asbe, C. (2023). Predicting future housing prices: a machine learning approach. *Multidisciplinary Science Journal*, 5, 2023ss0206. <https://doi.org/10.31893/multiscience.2023ss0206> (Scopus)
31. Gupta, M., Vashishth, T. K., & Verma, P. K. (2024). Machine learning and deep learning-based intrusion detection for blackhole attacks in mobile ad-hoc networks. *Multidisciplinary Science Journal*, 6(11), 2024209. <https://doi.org/10.31893/multiscience.2024209> (Scopus)
32. Jain, T & Verma, P.K., “Analysis of Multi-Spectral Data for improvement of shortest route incorporating Geographic Information Systems and Remote Sensing”, *Int J Intell Syst Appl Eng*, vol. 12, no. 21s, pp. 3651–3658, Mar. 2024. (Scopus)
33. Sharma. K, Verma P.K. “Evaluation of IoT-Enabled Energy Management Systems: Uncovering Sustainable Energy Storage Parameters and Their Significance” *J. Electrical Systems*20-5s(2024):2722-2736. <https://doi.org/10.52783/jes.2753> (SCI & Scopus)
34. Yadav, M., Verma, P. K., & Ansari, S. (2024). Investigation of the Role of Machine Learning and Deep Learning in Improving Clinical Decision Making for Musculoskeletal Rehabilitation. *ADCAIJ: Advances in Distributed Computing and Artificial Intelligence Journal*, 13(1), e31590. <https://doi.org/10.14201/adcaij.31590> (SCI & Scopus)
35. Himani, Dr. Verma P. K. Pathak P. (2024). Personalized Predictive Modeling for Rehabilitation Outcomes in Neurological Conditions through Machine Learning. *Frontiers in Health Informatics*, 13 (3), 9227-9238. <https://healthinformaticsjournal.com/index.php/IJMI/article/view/882>. (Scopus)
36. Sanjay Priyadarshan, Dr. Verma Pushpendra K. (2024). Optimizing Asset Turnaround in Indian Railways: A Machine Learning and Big Data Analytics Approach. *Advances in Nonlinear Variational Inequalities*, Vol. 28 No. 2s (2025), 1092-910X. <https://doi.org/10.52783/anvi.v28.2532> . (Scopus)
37. Sanjay Priyadarshan, Dr. Verma Pushpendra K. (2024). AI-Powered Decision Support System for Enhancing Railway Asset Management and Reducing Turnaround Time: A Focus on the Northern Division. *Advances in Nonlinear Variational Inequalities*, Vol. 28 No. 2s (2025), 1092-910X. <https://doi.org/10.52783/anvi.v28.2534> . (Scopus)

38. Animesh Kumar Jain, Dr. Verma Pushpendra K. (2024). Innovative Fuzzy Logic Methods for Congestion Control in Vehicular Ad-Hoc Networks, Advances in Nonlinear Variational Inequalities, Vol. 28 No. 2s (2025), 1092-910X. <https://doi.org/10.52783/anvi.v28.2716> . (Scopus)
39. Animesh Kumar Jain, Dr. Verma Pushpendra K.,(2025) Smart Traffic Management Analyzing Network Congestion Mitigation Techniques in Vehicular AD-HOC Networks, Advances in Nonlinear Variational Inequalities, Vol. 28 No. 2s (2025), 1092-910X. <https://doi.org/10.52783/anvi.v28.2710> . (Scopus)
40. Ashwani Goyal, Dr. Verma Pushpendra K. (2025). Harnessing Blockchain to Safeguard Educational Integrity: A Transparent Future for Learning, Vol. 28 No. 3s (2025), 1092-910X. <https://doi.org/10.52783/anvi.v28.3124>. (Scopus)
41. Ashwani Goyal, Dr. Verma Pushpendra K. (2025). Blockchain for Academic Integrity Preventing Fraud and Enhancing Transparency in Education, Vol. 28 No. 3s (2025), 1092-910X. <https://doi.org/10.52783/anvi.v28.2853>. (Scopus)
42. Kapil Kumar Sharma, Dr. Pushpendra Kumar Verma, Puneet Garg, (2024) IoT-Enabled Energy Management Systems For Sustainable Energy Storage: Design, Optimization, And Future Directions. Frontiers in Health Informatics, Vol.13, No.8, 2234-2225. <https://doi.org/10.52783/fhi.1858> , (Scopus)
43. Verma, PK, Singh, B., Preeti, Sharma, SK, & Prasad Joshi, R. (2024). Evaluating the Effectiveness of Zero Trust Architecture in Protecting Against Advanced Persistent Threats. ADCAIJ: Advances in Distributed Computing and Artificial Intelligence Journal, 13 (1), e31611. <https://doi.org/10.14201/adcaij.31611> .(SCI)

- *Developed and Updating of Course content of BCA in 2012-13.*
- *Developed and Updating of Course content of MCA in 2012-13.*
- *Developed and Updating of Course content of PGDCA in 2012-13.*
- *Developed of ordinance and syllabus of B.Sc. computer science in 2015-16.*
- *Developed of course content “Cyber Crime and Law” and “Information System for Managers”, for MBA and BBA under CBCS system in 2018.*
- *Written Book (SLM) “Introduction to Assembly Language” for DDE- S. V. Subharti University, Meerut in year 2016.*

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### **National Patents:**

1. **Patent Number** 202311004792, Automatic Solar Power Bank System with Wireless Charging using Machine Learning, Artificial Intelligence and IoT.

2. **Patent Number** 202311011539. Machine Learning and Deep Learning based Approaches for prediction of Brain Disease, Diagnosis, brain disorders and brain tumours
3. **Patent Number** 202321004190. IOT based Automatic wearable sensors for Smart Healthcare Monitoring System using WSN, Artificial Intelligence and Machine Learning Algorithms.
4. **Patent Number:** 202321013295. A Deep-Learning based Automated Smart Nutrition Monitoring System for Health care management systems for all ages of people using Artificial Intelligence and IoT.
5. **Patent Number: 202311027822**, VIRTUAL REALITY-BASED TRAINING SYSTEM FOR HIGH-RISK JOBS Inventor(s): Sachin chaudhary Dr. Bhupendra Singh Dr. Suraj Malik Dr. Pushpendra Kumar Verma, Assignee: IIMT University Meerut Published: 2023-05-19.
6. **Patent Number: 202311027825**, INTELLIGENT CHATBOT FOR CUSTOMER SERVICE AND SUPPORT, Inventor(s): Dr. Bhupendra Singh, Dr. Suraj Malik, Dr. Pushpendra Kumar Verma, Persh Pathak, Assignee: IIMT University Meerut, Published: 2023-05-19
7. **Patent Number: 202311027819**, Cloud Based Secure Video Conferencing System, Inventor(s): Dr. Suraj Malik, Dr. Pushpendra Kumar Verma Persh Pathak Vikas , Assignee: Published: 2023-05-19.
8. **Patent Number: 202311027823**, Automated Expense Tracking and Management Mobile Application, Dr. Pushpendra Kumar Verma Paresh Pathak Vikas Sharma Dr. Tarun Vashishtha, Published: 2023-05-19.
9. **Design Patent:** 418182-001, Compost Machine, Dr. Pushpendra Kumar Verma et al. Published: 2024-05-27.

### **International Patent(s) and Grant(s):**

1. **Patent Grant:** 6274670, "IOT BASED WEARABLE MEDICAL MONITORING DEVICE" UK Design.

### **BOOK(s):**

1. "**Artificial Intelligence**" (Dr. Deepak A. Vidhate, Dr. R Rambabu, Dr. Pushpendra Kumar Verma, Mr. Francis Densil Raj V.) ISBN: 9789357570442, Scientific International Publishers March-2023
2. "**Deep Learning for Computer Vision**" (Mr. Amol Dattatray Dhaygude, Dr. Pushpendra Kmar Verma, Dr. S. D. Degadwala, Renato Racelis Maaliw III), ISBN:97893994707795, Xoffencer International Publisher.

### **Memberships / Reviewer:**

- Life time membership of International Association of Engineers.
- One year membership of The Society of Digital Information and Wireless Communications.
- Reviewer and member of the Editorial Board IRA-International Journal of Education and Multidisciplinary Studies.
- Reviewer and member of the Editorial Board, SCIREA Journal of Computer.
- Reviewer of Software Engineering, journal, Science Publication Group, New York, USA.
- Reviewer and member of the Editorial Board International Journal of Network Security National Chung Hsing University, 250 Kuo Kuang Road, 402 Taichung, Taiwan, R.O.C.
- Reviewer and technical member of 3ICT 2021, Sponsored by IEEE Bahrain Section, Bahrain, University of Bahrain.

## **Conference/Seminar/Symposia/ Training/ Workshop Organized**

- International Conference ICA3C-June 2020, organized in IIMT university Meerut
- Training program and FDP on C and CPP organized with Spoken tutorial IIT Bombay and IIMT University Meerut in June-July 2020.
- Training program and FDP on Java organized with Spoken tutorial IIT Bombay and IIMT University Meerut in June-July 2020.
- Training program and FDP on Python organized with Spoken tutorial IIT Bombay and IIMT University Meerut in June-July 2020.
- Training program on ICT for non-teaching Staff members organized in Swami Vivekanand Subharti University Meerut in March 2018.
- Awareness program on Cyber Crime in Panchali Village and Swami Vivekanand Subharti University Meerut in June 2018.
- Awareness program on Women and Child education in Panchali Village in June 2018.
- Coordinator of FDP on Machine Learning, IIT Roorkee and IIMT University, Meerut, April 2023.
- Coordinator of FDP on AI and ChatGPT, IIT Roorkee and IIMT University, Meerut, June, 2023.

## **Awards / Honours:**

1. “Vidya Ratna” award in 1994.
2. “Certificate of Excellence” for displaying academic for securing brilliance 1<sup>st</sup> Position in M.Tech.(CSE) in 2014.
3. First position in “Long Jump” at district level in 1994.
4. Research Excellence award by IIMT University, Meerut in 2024

## **Teaching / Administration Experience: 19 Years +**

- Associate Professor, Computer Science department, in IIMT University, Meerut, Uttar Pradesh (16/08/2022 to Till Date)
- Professor and Principal, Computer Science department, in IME Group of Colleges, Ghaziabad Uttar Pradesh (November-2021 to August 2022)
- Associate Professor, Computer Science department, in IIMT University, Meerut, Uttar Pradesh (05/08/2019 to 11/11/2021)
- Associate Professor and HOD-CS in Neelkanth Group of Institutions, Meerut, Uttar Pradesh (10/01/2019 to 03/08/2019)
- Assistant Professor and HOD-CS Dept. in S.V. Subharti University, Meerut, Uttar Pradesh (01/09/2006 to 14/12/2018).
- Lecturer in CS department, Meerut College of Advance Technology, Meerut, Uttar Pradesh (01/07/2005 to 30/05/2006).

## **Responsibilities:**

Dean- Faculty of Science (2009-2012).  
HOD- department of Computer Science and Application (2009-2018).  
Coordinate/Member of Admission Committee (2007-2016)  
Convener of Board of studies (2009-2016).  
Member of Academic Council (2009-2014).  
Member of RDC committee from 2015 to till date.  
Coordinator of Computer Application Department during NAAC. (2012-2016).  
Assistant Superintendent in University Examination 2008-2016.  
Member of the Anti-Ragging Squad from 2016 to 2018.  
Member of the Proctorial Board at University level from 2016 to 2018.  
Coordinator PhD- Computer Science in IIMT University Meerut.  
Assistant Superintendent in IIMT University Examination 2019-2021.  
Principal-IME College Ghaziabad

### **Achievements**

- ❖ **Convener** at the International Conference (ICA3C-June 2020), IIMT University Meerut, (2020).
- ❖ **Keynote Speaker** at the International Conference (ICA3C-June 2020), IIMT University Meerut,
- ❖ **Session Chair** at the International Conference (ICA3C-June 2020), IIMT University Meerut,
- ❖ **Training Head**, at two-week training on ‘Python 3.4.3’ collaboration with Spoken, Tutorial IIT Bombay.
- ❖ **Training Head**, at two-week training on ‘Java ‘collaboration with Spoken Tutorial, IIT Bombay.

### **Future Plans as per my research statement for Next Two Years**

- Publish at least two to three research papers in Springer/ IEEE Journal.
- Present at least two research papers in IEEE/ Springer level international conferences.
- Apply for funding approx. Rs.15 to 30 lakhs under various schemes of DST/AICTE.
- Try to develop the industrial linkages/ university collaboration for R&D support and/or exchange the ideas.
- Motivate and design some guidelines for the students to participate in National/ International conferences/ symposium etc.
- Organize one IEEE/ Springer level conference.
- Memberships of Professional Societies.

### **Personal Details:**

*Father's Name* : Sh. Shri Ram Verma

*Date of Birth* : 30/12/1981.

*Hobbies* : Reading and Writing.

*Marital Status* : Married

*Languages known* : English, Hindi.

*Permanent address* : Pushpendra Kumar Verma

Rana Nagar, Dibiyapur, Auraiya, UP-206244

*Contact no.* : 7599155776, 09719304013

Email : dr.pkverma81@gmail.com

I hereby declare that all the particulars given above are true to the best of my knowledge.

Place: \_\_\_\_\_

Date: \_\_/\_\_/\_\_

**(Dr. Pushpendra Kr. Verma)**