

**CURRICULUM - VITAE**

**Dr. KAVERI UMESH KADAM**

**Diploma (Industrial Electronics),  
B.E. Electronics,  
M.Tech Electronics (VLSI),  
(Ph.D.) Doctor of Philosophy**



## **CURRICULUM – VITAE**

**NAME** : Dr. KAVERI UMESH KADAM

**NATIONALITY** : INDIAN

**DATE OF BIRTH** : 17-09-1979

**SEX** : FEMALE

**MARITAL STATUS** : MARRIED

**CONTACT ADDRESS** : C/o Professor Umesh Ashok Kadam,  
House No 1312,  
Poorvanchal, Jawaharlal Nehru University,  
New Delhi 110067.

**Aadhaar No.** : 357250241684

**PERMANENT ADDRESS** : Dr. Kaveri Umesh Kadam,  
House No 1312, Poorvanchal,  
Jawaharlal Nehru University,  
New Delhi 110067

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### **EDUCATIONAL QUALIFICATION :**

EXAM	SUBJECT	UNIVERSITY/ BOARD	CLASS	% OF MARKS	YEAR OF PASSING	COLLEGE
SSC	COMP.SUB.	KOLHAPUR BOARD	DISTINCTION	89.28 %	1995	PRINCESS PADMARAJ E GIRLS HIGH SCHOOL
DIPLOMA	INDUSTRIAL ELECTRONICS	GPKP COLLEGE KOLHAPUR	DISTINCTION	77.94%	1998	<b>GPKP</b>

B.E.	ELECTRONICS	SHIVAJI UNIVERSITY	HIGHER SECOND CLASS	56.60%	2004	TKIET COLLEGE WARANA NAGAR
M.Tech. (VLSI)	ELECTRONICS VLSI DESIGN	BHARATI VIDYAPEETH DEEMED UNIVERSITY	FIRST CLASS WITH DISTINCTION	68.25%	2013	BVDUCOE
Ph.D.	<p style="text-align: center;"><b>SCHOOL OF LIFE SCIENCES</b></p> <p style="text-align: center;"><b>“Detection of Bud Blight disease caused by Groundnut Bud Necrosis Virus (GBNV) on Tomato Plant using Image Processing Algorithm”</b></p> <p style="text-align: center;"><b>Jawaharlal Nehru University, New Delhi</b></p>				<b>09/09/2020</b>	JNU, Delhi

**Fellowship (JRF&SRF):** Dr. Babasaheb Ambedkar Research and Training Institute (BARTI), Pune, Maharashtra has granted research fellowship for this research for a period of three years.

**Co-Supervisor for Ph.D. Research:** AL-FALAH University, Dhauj, Faridabad (Haryana): Department of Computer science w.e.f. 31-01-2024.

**Award: IRSD Distinguished Teacher Award 2024**, 13<sup>th</sup> International Conference on Interdisciplinary Research for Sustainable Development (IRSD), Jamia Hamdard, New Delhi, India – 30<sup>th</sup> May 2024.

**Life Time Membership:** International Institute of Organized Research (I2OR) w.e.f. March 2024, Membership Number: I2OR, ICIDSSD 2024/H-25, Ministry with MSME, **Govt. of India** (UDYAM-PB-20-0002405).

**Lecture:** Delivered on the topic **Artificial Intelligence, Government of India**, in ministry of Micro, Small and Medium Enterprises (MSME) - Development & Facilitation office.

**External Examiner for Viva:** Department of Computer Science and Engineering, School of Engineering and technology, **Manav Rachna** International Institute of Research and Studies, Faridabad.

**Teaching and Research Experience: 08 years.**

**Current Position: from 3/11/2023 till date.**

Assistant Professor in Department of Computer Science and Engineering, School of Engineering Sciences and Technology, Jamia Hamdard Deemed University, New Delhi.

**WORK EXPERIENCE: 07 different Institutes.**

1. Currently working as Assistant Professor in Department of Computer Science and Engineering, School of Engineering Sciences and Technology, **Jamia Hamdard Deemed University, New Delhi.**
2. Worked as Assistant Professor (Guest Faculty, Department of Electronics and Communication Engineering, **Jamia Millia Islamia**, Central University, New Delhi. (21st September 2022 till 31<sup>st</sup> May 2023).
3. Worked as Assistant Professor (Full Time-Contractual), Department of Electronics and Communication Engineering, **Jamia Millia Islamia**, Central University, New Delhi. (6<sup>th</sup> April 2021 to 31<sup>st</sup> May 2022).
4. Worked as Lecturer (Full Time) in the Department of Physics, **National Defense Academy**, Khadakwasala, Pune from 1<sup>st</sup> August 2012 to 30<sup>th</sup> November 2012.
5. Worked as Technical Assistant in Electronics and Telecommunication Department, **Alard College of Engineering** and Management from 16<sup>th</sup> August 2010 to 30<sup>th</sup> August 2010.
6. Worked as Technical Assistant in Electronics and Telecommunication Department, **Modern College of Engineering** from 16<sup>th</sup> July 2008 to 14<sup>th</sup> August 2010.
7. Worked as Assistant in Computer Laboratory in the Department of Management Sciences, **University of Pune**, from 1<sup>st</sup> July 2008 to 15<sup>th</sup> July 2008.

**SUBJECTS TAUGHT: 03 Jamia Millia Islamia- ECE Dept. (B.Tech, M.Tech, Ph.D.)**

1. Basic Electronics & Communication Engineering (B.Tech. ECE- I & II SEM.)
2. Advanced Signal Processing (Analog) (M.Tech. ECE- III SEM. & Ph.D.)
3. VLSI (Very Large Scale Integration) (B.Tech. ECE-VII SEM.)

**PRACTICALS/LABS CONDUCTED: 07 JMI-ECE Dept.(B.Tech, M.Tech.)**

1. Circuit Simulation (B.TECH. ECE -III SEM.)
2. Analog Electronics (B.TECH. ECE- III SEM.)
3. Logic Design (B.TECH. ECE- III SEM.)
4. Communication (B.TECH. ECE- IV SEM)
5. Microprocessor (B.TECH. ECE- VI SEM.)
6. Advanced VLSI (M.TECH. ECE- I SEM.)
7. Advanced DSP (M.TECH. ECE- II SEM.)

**SUBJECTS TAUGHT: 07 Jamia Hamdard Computer Science Department (B.Tech., B.Sc, BCA, BSC.IT, M.SC., MOOCS)**

1. Machine Learning. (BTCSE AI-501 V SEM. & BTCSE DED13) Credits 03[2023, 2024]
2. Programming in Python. (BTCSE AI 305- III SEM.) Credits 03[2023, 2024]

3. Disaster Management. (BTCSE 409-IV SEM.) Credits 03[2023]
4. Speech and Natural Language Processing. (BTCSE AI-606- VI SEM.) Credits-03[2023]
5. Introduction to Artificial Intelligence. (BSC 402 & BCA 402- IV SEM.) Credits 04[2023]
6. Neural Network and Deep Learning. (MCSB SCE21) Credits 03[2024]
7. Computer Application in Pharmacy (BP-205 T) Credits 03[2024]
8. Soft Computing (BTCSE DED 22) Credits 03[2024]
9. Databases and Data Mining (Course Code-B MDC 201-B.Sc-Biochemistry, Botony, Biotechnology, Chemistry, Bio medical Science) Credits 03[2025]
10. Digital and Technological Solutions (Course Code-B VAC 201- B.S Biochemistry, Botany, Biotechnology, Chemistry, Bio medical Science) Credits 03[2025]

**PRACTICALS/LABS CONDUCTED: 04 Jamia Hamdard CSE Dept. (B.Tech.)**

1. Programming in Python (BTCSE AI 310-III SEM.) Credits 02[2023, 2024]
2. Software Engineering Lab (BTCSE 307-III SEM.) Credits 02[2023, 2024]
3. Machine Learning (BTCSE AI-506-V SEM.) Credits 02[2023, 2024]
4. Speech and Natural Language Processing (BTCSE AI-607 VI SEM.) Credits: 02[2023]
5. Computer Networks Lab (BTECE-606, VI SEM.) Credits: 02[2025]

**Project Guide:** BTCSE, BTCSE-Lateral Entry, BTCSE-AI [6<sup>th</sup> & 7<sup>th</sup> Sem.] (Minor Project)  
BCA, BTCSE, BTCSE-AI (Final Year-Major Project)

**Active participation @ Jamia Milia Islamia & Jamia Hamdard, New Delhi in various academic and administration work:**

1. NAAC
2. NBA.
3. Gati Project.
4. Workshops & Seminars, Conferences.
5. Paper Setting (B.Tech, M.Tech, Ph.D. MOOCS),
6. Paper Evaluation – 2021-2024.
7. Tabulation, 2023,2025,2025.
8. Admission Committee for MCA and BTCSE, 2024.

**PUBLICATIONS: Book, Patent, APP, International& National Papers, Book Chapters:**

**Book: 01 (Authored)**

“Detection of Bud Blight Disease caused by Groundnut Bud Necrosis Virus (GBNV) on Tomato Plant using Image Processing Algorithm”. Published by Lambert Academic Publishing, Republic of Moldova Europe, ISBN-978-620-3-92753-5, **2021**, copyright © Dr. Kaveri Umesh Kadam.

**Patent: 01 (Authored): Awarded**

“Artificial Intelligence-Enabled Populated Area Management System for Efficient Evacuation. Design Number: 408599-001, Cbr number: 203072, Date of Issue: **24/04/2024**.

**Patent: 01 (Authored): Filed.**

“Advanced Portable AI-Driven Device for Proactive Cybersecurity Threat Prediction and autonomous Response”, Application No. 454111-001, CBR No. 207149, CBR Date-03/04/2025.

**App: 01**

1. Kaveri Diagnosis APP 01/02/2020-31/03/2020, Links for website & Play store:

<https://play.google.com/store/aaps/details?id=com.kaveri&hl=en>,

<https://kaverikadam.com/#/login>

**International and National Publications: 15**

**SCI or SCIE or ESCI, Scopus, Web of SCIENCE: 10**

**UGC Care Listed: 03**

**(IEEE Xplore): 02**

- “Optimizing Wound Classification: A Deep Learning Method with VGG16 and Feature Selection for Clinical Application”, African journal of Biomedical Research, IJ-1107, Vol.27, issue 2, Pages: 506-514, DOI: <https://doi.org/10.53555/AJBR.v27i2S.2016>, **September, 2024**, Naved Alam<sup>1</sup>, Munna Khan<sup>2</sup>, Kashif Shervani<sup>3</sup>, **Kaveri Umesh Kadam<sup>4</sup>, SCOPUS.**
- “Fault Detection and diagnosis through Profiling in Cloud-based Software Systems”, African Journal of Biological Sciences (AFJBS), Volume 6, IssueSi3, **25July 2024** ISSN: 2663-2187, 1. DOI: [http://doi.org/10.48047/AFJBS.6.Si3.2024\\_Pages3391-3402](http://doi.org/10.48047/AFJBS.6.Si3.2024_Pages3391-3402), Pooja Singh<sup>1</sup>, Saud Sarvar<sup>2</sup>, **Kaveri Umesh Kadam<sup>2\*</sup>, SCOPUS.**
- “Comparison of using air, CO2 and Helium for the cooling of square shaped electronic parts: CFD study with entropy generation analysis”, Thermal Science, ISSN:2334-7163 **27/01/2024** Online –First Issue 00, Pages: 1-14, <https://doi.org/10.2298/TSCI230908073K>, Mohamed A.KARALI<sup>1</sup>, Bandar Awadh, ALMOHAMMADI<sup>2</sup>, Abdullah M. A. ALSHARIF<sup>2</sup>, **Kaveri Umesh KADAM<sup>3</sup>**, Abdul KHALIQ<sup>2</sup>, Hassanein A. REFAEY<sup>2,4\*</sup>, Eslam HUSSEIN<sup>4</sup> **SCI/SCIE.**
- “A Comprehensive Review of Software Profiling Tools: Techniques, Applications and Future Directions”, Industrial engineering Journal, ISSN: 0970-2555, Volume: 53, Issue1, No.4, **January, 2024**. Pooja Singh<sup>1</sup>, **Kaveri Umesh Kadam<sup>2\*</sup> (UGC Care Listed, Peer Reviewed Journal).**
- “Prolong the lifetime of sensor monitoring system using schedule matrix while Employing digital signatures”, Journal of Information & Optimization Sciences ISSN 0252-2667 (Print), ISSN 2169-0103 (Online), Volume 44, 2023, Issue 7, Pages 1327–1346, <https://doi.org/10.47974/JIOS-1286>, **19/10/2023**, Pankaj Kumar \*, Saurabh Kumar Sharma †, **Kaveri Umesh Kadam § , SCOPUS, ESCI/WOS.**
- “Image Segmentation in Diagnosing the Ground Bud Necrosis Virus in Tomatoes using K- Means Clustering”. International Journal of Electrical and Electronics Research

(IJEER) Volume 11, Issue 3, **13/07/2023**, e-ISSN: 2347-470X; Paper Id:

IJEERSPDB202301; Pages 07, **K. U. Kadam<sup>1</sup>**, R. B Dhumale<sup>2</sup> (**Scopus-Elsevier**),

- “ID/700 a Survey on SQL Injection Attacks and Defence Mechanism”, presented in International Conference on Electrical, Computer and Energy Technologies (ICECET) 2022, 20-22 July **2022** to be published in **IEEE Xplore/SCOPUS, PES** (Power and Energy Source) Pankaj Kumar, Saurabh Kumar, and **Kaveri Umesh Kadam**.
- “Empirical Evaluation of ECC Batch Verification Algorithms of Digital Signature in Wireless Sensor Network”, Electronics/Elektronika (1450-5843), VOL.26, NO.2, December **2022**, pp. 51-62, DOI: 10.53314/ELS2226051K (**SCIE, Scopus, and WOS**). Pankaj Kumar, Saurabh Kumar, and **Kaveri Umesh Kadam**.
- “Linear Vector Quantization for the Diagnosis of Ground Bud Necrosis Virus in Tomato”. International Journal of Electrical and Electronics Research (IJEER) Volume 10, Issue 4, 30/10/**2022**, e-ISSN: 2347-470X; Paper Id: 0822SI-IJEER-2022-10; Citation: 10.37391/IJEER.100426; Pages 906-914, e-ISSN: 2347-470X, (**Scopus- Elsevier**) Webpage-link: <https://ijeer.forexjournal.co.in/archive/volume-10/ijeer-100426.html> **Kaveri Umesh Kadam<sup>1</sup>**, R.B.Dumale<sup>2</sup>.
- “Analysing Transmission of Tospovirus - GBNV (Thrips Palmi) on Tomato and its Implications on Economy”, Wesleyan Journal of Research, Vol. 15 No.1, August **2020**, pp. 43-49, ISSN: 0975-1386 (**UGC Care Listed, Peer Reviewed Journal**).
- “Traditional Approaches and Artificial Intelligence Curing Solanum Lycopersicum (Tomato) through the Lenses of Image Processing” Sambodhi, Vol-43, No-02, April-June **2020**, pp. 540-541 ISSN: 2249-666, (**UGC Care Listed, Peer Reviewed Journal**), **Kaveri Umesh Kadam**.
- “Identify Outliners Using Local Minima Density in Kohonen Self Organization Future Map”, Journal of Critical Reviews, Vol.7, Issue 11, **2020**, pp. 2123-2127, ISSN: 2394-5125, (**Scopus Indexed Journal**) **Kaveri Umesh Kadam**, Sanjay B Patil.
- “Identification of Groundnut Bud Necrosis Virus on Tomato Fruits using Machine Learning based Segmentation Algorithm” International Journal of Future Generation Communication and Networking, Vol.13, No. 2, **2020**, pp.259-264, ISSN: 2233-7857 IJFGCN, (**ESCI, Web of Science Journal**) **Kaveri Umesh Kadam**.
- “Ground Bud Necrosis Virus Identification in Tomato using Support Vector Machine” International Journal of Advanced Science and Technology, Vol 29, No. 4s, 2020, pp 2225-2231, ISSN: 2005-4238 IJAST, copyright **2020** SERSC, (**Scopus-Elsevier**), **Kaveri Umesh Kadam**, Atul Kumar Johri.
- “Machine Learning (Reinforcement Learning) for Routing in Wireless Sensor Networks (WSNs)” The International Journal of **IEEE Xplore**, **2012**, **Kaveri Umesh Kadam**, Navin Shrivastava. (**In International Conference-Paper id-200 co-author**)

### **Book Conference Proceeding: 03**

- “Artificial Intelligence in Medicine: Current Trends and Future Directions” in 4<sup>th</sup> International Conference on ‘ICT for Digital, Smart and Sustainable Development: IC-ID-SSD from April **23-24.2024**(Offline Mode) organized by Department of Computer

Science and Engineering, School of Engineering Sciences and Technology, **Jamia**

**Hamdard** Deemed University, New Delhi, Devansh Sharma<sup>1</sup>, **Kaveri Umesh Kadam<sup>1\*</sup>**.

- “Artificial Intelligence in Medicine through the lenses of Current Trends and Future Directions”, in International Institute of Organized Research (I2OR), India, Vol-3, May **2024**, pp.362-366, ISBN: 978-81-967563-3-8, Devansh Sharma<sup>1</sup>, **Kaveri Umesh Kadam<sup>1\*</sup>**
- “Online and Digital Education: Ensuring Equitable use of Technology”, in National e-Conference on National Education Policy: A Paradigm shift & Implications on Online Education **27-28 September, 2024**, Organized by Centre for Online Learning, Dr. D.Y.Patil Vidyapeeth, Pune, India, Empryal Publication House, ISBN-978-81-978639-0-5, Paper No. 32, Page No. 15,

#### **Upcoming Project: Overseas Consultant:**

1. **Funded Research Project** title ‘Nano-enhanced molten salt operated tower solar collector driven multi-generation for sustainable production of diverse types of energy, and fresh water’, Deanship of Scientific Research of King Abdulaziz University, Jeddah, Ministry of Education, **Kingdom of Saudi Arabia**. Project No: IFPRC-148-135-2022. (10 Lakhs).

#### **Book Chapters: 04 (In Press):**

“Enhanced Methodology to Software Profiling & their Mitigating Performance Issues” in International Conference on “Progressive Computational Intelligence, Information Technology and Networking”: COM-IT-CON 2024, from 24-25<sup>th</sup> October 2024, ISBN 9781041094272, 74 Page, **June 30, 2025** by CRC Press, Organized by the Department of Computer Science and Engineering, School of Engineering and technology, **Manav Rachna** International Institute of Research and Studies, Faridabad, **Routledge, Taylor & Francis Group**. Pooja Singh<sup>1</sup>, Saud Sarvar<sup>2</sup>, **Kaveri Umesh Kadam<sup>2\*</sup>**.

<https://www.routledge.com/Progressive-Computational-Intelligence-Information-Technology-and-Networking/Nandal-Dahiya-Singh-Dagur-Kumar/p/book/9781041094272>

“Regulation of Plant Biology by Phytohormones”, **Kaveri Umesh Kadam**

“ABA-mediated regulation of plant biology under heavy metal stress: Physiological and Molecular Aspects”, **Kaveri Umesh Kadam**

“Gibberellins-mediated regulation of Plant Biology under Heavy metal stress: Physiological and Molecular Aspects”, **Kaveri Umesh Kadam**

#### **Publications under Revision: Upcoming**

1. “Effects of Drought Stress on Plant Growth and Development: A Response Mechanism and Management”, **Kaveri Umesh Kadam<sup>1</sup>**, Om Narayan<sup>2</sup>, Journal of Plant Growth, (SCI, Scopus, QI Journal), **First review completed.**
2. “Influence of operating fluid on the cooling of square-shaped electronic parts including dummy parts inside a rectangular duct”, *H.A.Refaey<sup>1,2</sup>, A.Khaliq<sup>1</sup>, Kaveri Kadam<sup>3</sup>, Bandar Awadh Almohammadi<sup>1</sup>, H.F.Elattar<sup>4</sup>, Mohammed A. Karali<sup>4</sup>* (SCI)



3. “An Enhanced Framework for Pulmonary Emphysema Classification Using Advanced Optimization Algorithm and Deep Learning Techniques”, Avadhesh kumar Sharma<sup>1</sup>  
**Kaveri Umesh Kadam<sup>2\*</sup>**

#### **MEMBER in COMMITTEES and Session Co-Ordinator: 06**

- Member in Organizing Committee for 5<sup>th</sup> International Conference & Golden Jubilee Celebration of Vijnana Parishad of India (Society for applications of mathematics) on “Recent Advances in Mathematical Sciences with Applications in Engineering and Technology”: **IC-RA-MSA-ET-2022** from June 16<sup>th</sup> -18<sup>th</sup>, **2022** (offline mode)  
Organized by SC&IS, JNU, New Delhi, India.
- Member in Publication Committee for 4<sup>th</sup> International Conference on ‘ICT For Digital, Smart and Sustainable Development: **IC-ID-SSD** from **April 23-24,2024**(hybrid Mode) organized by Department of Computer Science and Engineering, School of Engineering Sciences and Technology, **Jamia Hamdard Deemed University, New Delhi.**
- Member in Session Co-ordination Team for 13<sup>th</sup> International Conference on ‘Interdisciplinary Research for Sustainable Development’: **IRSD** on May **30/05/2024** organized by Department of Computer Science and Engineering, School of Engineering Sciences and Technology, **Jamia Hamdard Deemed University, New Delhi.**
- Member in Organizing Committee for 2<sup>th</sup> International Society for Regional History Conference on “people, Places, Landscapes and Memory”: **ISRH** from 4<sup>th</sup> -6<sup>th</sup> **November, 2024** (offline mode) Organized by **JNU, New Delhi, India.**
- Member in Registration Committee for VIKSIT BHARAT, YOUTH PARLIAMENT, ONE NATION-ONE ELECTION held on **18-19 March, 2025** at Jamia Hamdard.
- Member in Publicity Committee for 5<sup>th</sup> International Conference on ‘ICT For Digital, Smart and Sustainable Development: **IC-ID-SSD** from **April 22-23,2025** (hybrid Mode) organized by Department of Computer Science and Engineering, School of Engineering Sciences and Technology, **Jamia Hamdard Deemed University, New Delhi.**

#### **Reviewer: 05+04=09**

- Reviewed papers for 4<sup>th</sup> International Conference on ‘ICT for Digital, Smart and Sustainable Development: IC-ID-SSD from **April 23-24,2024**(Hybrid Mode) organized by Department of Computer Science and Engineering, School of Engineering Sciences and Technology, **Jamia Hamdard Deemed University, New Delhi.**
- Reviewed papers for 5<sup>th</sup> International Conference on ‘ICT for Digital, Smart and Sustainable Development: IC-ID-SSD from **April 22-23, 2025** (Hybrid Mode) organized by Department of Computer Science and Engineering, School of Engineering Sciences and Technology, **Jamia Hamdard Deemed University, New Delhi.**

#### **Paper Presented: 06**

- “Machine Learning (Reinforcement Learning) for Routing in Wireless Sensor Networks

(WSNs)” in the International Conference of IEEE Explore, 2012, (Paper id-200).

- “Artificial Intelligence in Medicine: Current Trends and Future Directions” in 4<sup>th</sup> International Conference on ‘ICT for Digital, Smart and Sustainable Development: IC-ID-SSD from **23-24 April 2024**(Offline Mode) Organized by Department of Computer Science and Engineering, School of Engineering Sciences and Technology, Jamia Hamdard Deemed University, New Delhi.
- “Artificial Intelligence in Medicine through the lenses of Current Trends and Future Directions”, in International Institute of Organized Research (I2OR), India, in 13<sup>th</sup> International Conference on ‘Interdisciplinary Research for Sustainable Development’: **IRSD** on May **30/05/2024** organized by Department of Computer Science and Engineering, School of Engineering Sciences and Technology, Jamia Hamdard Deemed University, New Delhi.
- “Enhanced Methodology to Software Profiling & their Mitigating Performance Issues” in International Conference on “Progressive Computational Intelligence, Information Technology and Networking”: **COM-IT-CON 2024**, from **24-25<sup>th</sup> October 2024**, Organized by the Department of Computer Science and Engineering, School of Engineering and technology, **Manav Rachna** International Institute of Research and Studies, Faridabad.
- “Role of AI/ML in Handling Complex Historical Databases in Archives” in 2<sup>th</sup> International Society for Regional History Conference on “people, Places, Landscapes and Memory”: **ISRH** from **4<sup>th</sup> -6<sup>th</sup> November, 2024** (offline mode) Organized by **JNU, New Delhi, India**.
- “Online and Digital Education: Ensuring Equitable use of Technology”, in National e-Conference on National Education Policy: A Paradigm shift & Implications on Online Education **27-28 September, 2024**, Organized by Centre for Online Learning, Dr. D.Y.Patil Vidyapeeth, Pune, India.

#### **Training Workshop: 05**

1. “5G Network Security” organized by 5G Indigenous Test Bed O&M Team of **IIT Delhi** on 26 February, 2024.
2. “LiFi” organized by 5G Indigenous Test Bed O&M Team of **IIT Delhi** on 27 Feb., 2024.
3. “IoT” organized by 5G Indigenous Test Bed O&M Team of **IIT Delhi** on 28 Feb., 2024.
4. “5G PHY LAYER ” organized by 5G Indigenous Test Bed O&M Team of **IIT Delhi** on 29 February, 2024.
5. “Artificial Intelligence in Next Generation Communication “on 8-9 March, 2024, organized by Bharati School of Telecommunication Technology and Management **IIT Delhi**.

#### **Faculty Development Programs (FDP): 03**

- “Research Methodology and Publication” from **19 to 23 February, 2024** organized by the Department of Mechanical Engineering and Department of Electronics & Communication Engineering, IMS Engineering College, Ghaziabad, Uttar Pradesh, India.

- “Recent Trends in Artificial Intelligence” organized by the Department of Computer Science and Application, Faculty of Science Bhupal Nobles’ University, Udaipur with PANTECH E LEARNING conducted on **22 January to 27 January 2024**.
- “Recent Advancement in AI & IOT” from **25-30/11/2024** organized by the Department of Computer Applications, Periyar Manjammai Institute of Sciences & Technology (PMIST), Vallam, Thanjavur in association with Pantech Solutions.

#### **Conferences Attended: 06**

1. “Artificial Intelligence in Medicine: Current Trends and Future Directions” **Devansh Sharma<sup>1</sup>, Kaveri Umesh Kadam<sup>1\*</sup>** in 4<sup>th</sup> International Conference on ‘ICT for Digital, Smart and Sustainable Development: IC-ID-SSD from **April 23-24, 2024**(Offline Mode) Organized by Department of Computer Science and Engineering, School of Engineering Sciences and Technology, Jamia Hamdard Deemed University, New Delhi.
2. “A Transformational Vision for Indian Higher Education” Center for Multi-Disciplinary Development Research, Dharwad in collaboration with Center for Educational and Social Studies, Bengaluru during **07-08 January, 2023**. (Offline Mode)
3. “International Conference on Pervasive Computing-2020”, organized by E&TC, Computer Engineering. & Information Technology at Sinhgad College of Engineering, Pune during **13-14 February, 2020**. (Offline Mode)
4. “Second International Conference on Recent Innovations in Engineering. & Technology” organized by Bhivarabai Sawant College of Engineering. & Research, Narhe, Pune during **30-31 January, 2020**. (Offline Mode)
5. “Third International Conference on Applied Science, Engineering., Technology, Management & Pharmacy” organized by Rajgad Dnyanpeeth Technical Campus, Shri Shivajiraje College of Engineering, Dhangwadi, Pune during 25-26 April, **2019**. (Offline Mode)
6. “Machine Learning (Reinforcement Learning) for Routing in Wireless Sensor Networks (WSNs)” The International Journal of **IEEE Explore, 2012, Kaveri Umesh Kadam, Navin Shrivastava**. (Offline Mode)

**Mentorship:** Ignite Society, Jamia Hamdard.

#### **Session Attended: 01**

Attended “Spoken Tutorial” session held on **8<sup>th</sup> February 2024** organized by Department of Computer Science Engineering, SEST, Jamia Hamdard in association with **IIT Bombay**.

#### **PARTICIPATIONS: Seminar, Symposia and Spoken Tutorial etc: 09**

1. Participated in a National Level Workshop on ‘Digital Signal Processor and Applications’ Under the QIP programme sponsored by the University of Pune, from 14<sup>th</sup> to 16<sup>th</sup> October 2008, organized by the Electronics and Telecommunication Department, conducted at the PES’s Modern college of Engineering.
2. Participated in a State Level Workshop on ‘Advance Communication Systems’ Under the

QIP programme sponsored by the University of Pune, from 23<sup>rd</sup> to 24<sup>th</sup> February 2010, organized by the Electronics and Telecommunication Department, conducted at the PES's Modern college of Engineering

3. Participated in a National Level Workshop on 'Scanning Probe Microscopy: Techniques and Applications (SPM-2011)' sponsored by the University of Pune, from 11<sup>th</sup> to 12<sup>th</sup> March 2011, organized by the Department of Physics, University of Pune.
4. Participated in a State Level Workshop on 'FPGA Based VLSI Design' organized by the Department of E & TC, Bharati Vidyapeeth's College of Engineering for Women, Pune, from 11<sup>th</sup> to 13<sup>th</sup> February 2012.
5. Participated in a State Level Workshop on 'Network Simulator 2 for Communication' organized by the Department of Electronics Engineering, Padmashree Dr.D.Y.Patil Institute of Engineering and Technology, Pimpri, Pune, from 23<sup>rd</sup> to 25<sup>th</sup> February 2012.
6. Participated in an International Seminar-Workshop (ISPTS-1) on 'Micro Sensor Packaging' organized by the Centre for Materials for Electronic Technology (C-MET) & Department of Physics, University of Pune, Pune, on 7<sup>th</sup> March, 2012.
7. Participated in an International Symposium (ISPTS-1) on 'Physics and Technology of Sensors' organized by the Centre for Materials for Electronic Technology (C-MET) & Department of Physics, University of Pune, Pune, from 8<sup>th</sup> to 10<sup>th</sup> March, 2012.
8. Attended "Spoken Tutorial" session held on **8<sup>th</sup> February 2024** organized by Department of Computer Science Engineering, SEST, Jamia Hamdard in association with **IIT Bombay**.
9. Attended "**Swayam NPTEL Workshop**" held on **7<sup>th</sup> April, 2025**, conducted by Indian Institute of Technology Kanpur at SEST, Jamia Hamdard, New Delhi.

#### **PROJECTS in Graduation and Post Graduation: 04**

1. Participated and presented a "**Project on Electronic Blood Cell Counter**" at DIPEX 1998, Nasik presented for Diploma in Industrial Electronics. 01/01/1998- 30/06/1998
2. A Project on "**Automatic Remote Control**" presented for the Diploma course at the GPKP College 1998, 18/01/1998-18/06-1998.
3. A Project on "**SCADA**" presented for the B.E. Electronics course at the TKIET College 2003. 1/12/2003-31/05/2004.
4. A Project on "**Simulation and Analysis of Energy Efficient Protocols using NS2 simulator**" presented for M.Tech Electronics at BVDU, COE, Pune. 16/11/2012 -16/04-2013.

#### **Participation Online Webinars: 10**

1. Attended webinar on "Design of Control Algorithms using Low Cost Microcontrollers for Application in Power Electronics", organized by Department of Electrical Engineering, JCEP, K.M.Gad, Sangli on Monday 20/07/2020.
2. Attended webinar on "Design Concept of Embedded System and Testing", organized by Electronics and Telecommunication Engineering Department, Anantrao Pawar College of Engineering & Research, Pune on 14<sup>th</sup> & 15<sup>th</sup> July 2020.

3. Attended webinar on “Image Processing with MATLAB”, organized by Department of Electronics Engineering, Bharti Vidyapeeth (Deemed University), College of Engineering, Pune in association with Digi Tech Systems Pvt.Ltd., Pune on 6<sup>th</sup> July 2020.
4. Attended webinar on “Math Works – MATLAB for Internet of Things (IoT)”, organized by Department of Electronics and Telecommunication, Bharti Vidyapeeth (Deemed University), College of Engineering, Pune on 8<sup>th</sup> July 2020.
5. Attended Six Days webinar-workshop on “Six Days FDP on Deep Learning Systems and Its Application”, organized by Department of Electrical and Electronics, Sathyabama Institute of Science and Technology (Deemed University), Chennai, from 20<sup>th</sup> July to 25<sup>th</sup> July 2020.
6. Attended webinar on “Research Methodology and Future Research in Engineering” organized by Department of Computer Science and Engineering, Jayawant College of Engineering and Polytechnic, Sangli on 23<sup>rd</sup> July 2020.
7. Attended a webinar workshop on “Intellectual Property Rights (IPR) Awareness: Patent Drafting and Filling” organized by Research and Development Cell, Bharti Vidyapeeth (Deemed University), College of Engineering, Pune from 23<sup>rd</sup> to 25<sup>th</sup> July 2020.
8. Attended webinar on National Level Faculty Development Program on “Online Social Network” organized by IEEE MIT ADT University Branch & Department CSE, in association with IEEE Computer Society, Pune from 20<sup>th</sup> to 25<sup>th</sup> July 2020.
9. Attended webinar on “Successful Research Papers: Concepts to Submission” organized by Bharti Vidyapeeth (Deemed University), College of Engineering, Pune on 23<sup>rd</sup> July 2020.
10. Attended a One -Week webinar workshop on “Putting Science and Engineering in Practice Using MATLAB” organized by Department of Electronics and Communication Engineering, MIT School of Engineering, MIT ADT, University of Pune, IETE ISF chapter and IEEE Pune Section, Pune from 28<sup>th</sup> July to 1<sup>st</sup> August 2020.

#### **LANGUAGES KNOWN:**

- MARATHI
- HINDI
- ENGLISH

#### **COMPUTER LITERACY:**

1. Diploma in Computer Operation, First Class, 1995, Computer Fundamentals, **DOS Wordstar, Lotus 1-2-3.**
2. Programming in C, C++, **Multisim, NS-2, LTspice, Pspice, 8085 Simulator, MATLAB, Python, Xilinx (VHDL), and NLTK library.**

#### **INTERESTS:**

1. **TEACHING & RESEARCH**
2. **ADMINISTRATION**

**DECLARATION:**

I confirm that the information provided by me is true to the best of my knowledge.

**Date: 21/04/2025**

**Place: New Delhi**



**Dr. Kaveri Umesh Kadam**