

Dr. Hariram K. Chavan

Professor, Department of Information Technology, KJSIT, Sion, Mumbai
MTech(AI) & PhD Coordinator, Dean Administration

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With over 30 years of experience in the education sector, I have cultivated deep expertise in academic administration, institutional management, student support, and regulatory compliance. My long association with students, faculty, and administrative teams has given me a comprehensive understanding of academic systems, record management, enrollment procedures, and institutional governance.

I am a highly numerate professional with strong analytical and organizational abilities, enabling me to handle academic records, compliance reporting, and administrative operations with precision and accountability. Known for my systematic, composed, and collaborative approach, I have consistently built trusted relationships across all levels of an institution.

I am firmly committed to upholding transparency, efficiency, and confidentiality while placing student interests at the center of every administrative decision. I look forward to contributing these strengths toward building a professionally managed, well-structured, and forward-looking academic environment.

Administrative Experience

01/2020 - Present

Currently serving as Professor in the Department of Information Technology, with additional responsibilities as Coordinator – M.Tech (Artificial Intelligence), Coordinator – PhD Program, and Dean of Administration at KJSIT since January 4, 2021.

07/2017 – 01/2020

Previously, as Head of Department at FCRIT (July 2017 – January 2020), I successfully led the department to achieve the highest standards of academic excellence. Under my leadership, the Information Technology program was formally recognized and accredited by the NBA in 2019. I also spearheaded institutional efforts toward NAAC accreditation, reflecting my commitment to quality and compliance.

As a member of the Syllabus Setting Committee at the University of Mumbai since 2014, I have contributed to the design of UG and PG curricula aligned with emerging industry trends and technological advancements.

2011-12, 2018-19

A pioneer in Machine Learning, I received a minor research grant in 2013–14 and was awarded a prestigious Rs. 10 Lakhs grant by AICTE-IIPC in 2010–11 to provide corporate exposure to engineering students. I was honored to be invited by INS Valsura, Indian Navy, to conduct a two-week workshop on AI and Big Data in June 2019.

Feb 2020

Most recently, I submitted an international research proposal under the European Union Horizon 2020 framework, focusing on Personalized Risk Prediction using Artificial Intelligence, Big Data Analytics, and Cloud Computing for accurate and timely COVID-19 diagnosis — demonstrating my commitment to applying technology to solve real-world challenges.

Education

05/2017

- **VJTI, Mumbai**
  Ph.D., Computer Engineering
  Design & Optimization of Cache Replacement Policies for Mobile Environment

08/2006

- **Walchand College of Engineering, Sangli**
  M. E., Computer Science and Engineering
  Neural Network & Fuzzy Logic

07/1993

- **Walchand College of Engineering, Sangli**
  B. E., Computer Science and Engineering

07/2021

- **University of Mumbai**
  LLB- Balasaheb Thackeray Law College, Taloja, Panvel, Maharashtra 410208

Work Experience

Jan 2020 to till Date
- **Professor, Dept of Information Technology, Dean Administration**
  K. J. Somaiya Institute of Technology, Sion. Mumbai

Jul 2017 to Dec 2020
- **Professor and Head IT Department**
  Fr. C. Rodrigues Institute of Technology, Sector-9A, Vashi, Navi Mumbai

Aug 2002 to July 2017
- **Lecturer - Associate Professor**
  Terna Engineering College, Nerul, Navi Mumbai

July 2001 to June 2002
- **Lecturer**
  Institute Of Technology for Women, SNDT Santacruz, Mumbai

July 1996 to July 2001
- **Lecturer**
  Bharati Vidyapeeth's Institute of Technology, Belpada, Navi Mumbai

Work for University of Mumbai

Nov 2023 to till date
Member-BoS Computer Engineering, University of Mumbai

2022 to 2024
Member-BoS Computer Engineering, SPIT Mumbai

2022 to 2024
Member-BoS AI and ML, Computer Engineering, TCET Mumbai

2024-2026
Member-BoS Computer Engineering, Wilson College Mumbai
Member-BoS Computer Engineering, SIES Nerul
Member-BoS Computer Engineering, Lokmanya Tilak College of Engineering

Member of syllabus setting committee

2014
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2026
- Designed the syllabus for Python Programming - NEP-2020
- Designed the syllabus for MECOMP Advanced Database System.
- Designed the syllabus for TEIT-CGVRS. -2014.
- Designed the syllabus for MEIT-Data Science. -2016.
- Designed the syllabus for BEIT-Soft Computing. -2017.
- Designed the syllabus for SEIT-2020.
- Designed the syllabus for MEIT-Data Analytics-2022
- Designed Syllabus for Computational Technology – 2025
- Designed Syllabus for Natural Language Processing- 2026

Awards

Academic Excellence

2023
- IEI NMLC-FCRIT Excellence Award for recognition under Academic Excellence in Teaching Faculty Regional Category September 15, 2023.

2011
- Best paper award: A Markov Model Based Cache Replacement Policy for Mobile Environment, at International Conference on Technology Systems and Management (ICTSM – 2011), February 25-27, 2011.

2012
- Third rank in the Poster Presentation for Research Scholars on "NATIONAL SCIENCE DAY", VJTI, 29th February 2012.

Grants

2011
- AICTE-Industry Institute Partnership Cell (IIPC) Rs. 1000000.00 for financial year 2010-11.

2019
- AICTE-Modernization and Removal of Obsolescence (MODROB) Rs. 740000, for financial year 2019-20.

2013
- University of Mumbai: "Small project", Rs. 15000.00

Courses/Workshops/Seminars

Convener

2008

- NS2 Workshop

Coordinator

2025

- A one-day workshop on "Probing the Research Process: From Idea to Impact" was organized on 2nd August 2025, featuring eminent dignitaries including:
  Dr. Raghunath Shevgaonkar, Padma Shri Prof. Deepak B. Phatak, Prof. N. C. Shivaprakash, and Dr. Nadir Nizar Ali Charniya

2025

- 7th International Conference on Advances in Science and Technology, by K. J. Somaiya Institute of Technology, Mumbai, India in association with University of Mumbai, on 20th and 21st June 2025.

2023

- 6th International Conference on Advances in Science and Technology, by K. J. Somaiya Institute of Technology, Mumbai, India in association with University of Mumbai, on 8th and 9th December 2023.

2022

- 5th International Conference on Advances in Science and Technology, by K. J. Somaiya Institute of Technology, Mumbai, India in association with University of Mumbai, on 2nd and 3rd December 2022.

2013

- DBMS and GUI

2014

- Database Management System, IIT Mumbai

2015

- Computer Networking, IIT Mumbai
- Data Mining & Business Intelligence

Conducted

2026

- Practical Approach to Data Mining & Analytics – Birla College - 2026

2024

- Research Methodology and Literature Survey at University of Mumbai, Department of Information Technology (UDIT)

2022

- Mathematical Foundation of Machine Learning - SAKEC
- Deep Learning and its Applications – KJSIEIT -2021

2021

- Big Data Analytics - TEC
- Network Security - TEC

2018

- Data Mining with R - BVCOE
- R Programming - ACPCE

2017

- Data Mining and R Programming, TEC Nerul
- Data Structure – FCRIT Vashi

Publications:

Book

2022

- Introduction to DBMS: Designing and Implementing Database from Scratch for Absolute Beginners, published by BPB publications.

Patent

2016

- H. Chavan, and S. G. Bhirud, "HMM and Association based Cache Management System for Mobile Environment.", Patent Application Number 201621001367 dated 14th January 2016.

Journals and Conferences

2026

- Pradeep Shukla, Hariram Chavan, Disease Identification in Tomatoes Using AI (DITA), Industrial Artificial Intelligence, springer nature – Accepted May 2026

Journals and Conferences

2026

- Samina Shaikh, Hariram Chavan, Intelligent Handwriting-Based System for Predicting Schizophrenia and Bipolar Disorder with XAI Interpretability, International Journal of Drug Delivery Technology (IJDDT), March 2026

Under Review

- Leeaa Nair, Hariram Chavan, Automated Short Answer Grading System using NLP, Journal of Computer Assisted Learning, first review received, under review (2nd)..

Modifying …

- Hariram Chavan, IoT based optimization of average patient waiting time (APWT) retrieval algorithm using big data techniques for emergency services, International Journal of Speech Technology, rejection received, modifying based on comments..

- H. Chavan, S. Sane, and H. B. Kekre, "A Dynamic Markov Biclustering Cache Replacement Policy for Mobile Environment", In International Journal of Computer Applications, pp. 11-17, 2011.

- H. Chavan, S. Sane, and H. B. Kekre, "Neural Network based Mobility aware Prefetch Caching and Replacement Strategies in Mobile Environment", In International Journal of Advanced Computer Science and Applications, Vol.4, No. 5 pp. 154-160, 2013.

- Prashant Swant, Hariram Chavan, Dynamic Workload Prediction for Containerized Micro services via Knowledge-Aware Spiking Graph Framework, 10th International Conference on Smart Trends in Computing and Communications, SmartCom 2026, January 2026.

2026

- Samina Shaikh, Hariram Chavan, Multimodal Physiological Signal-Based Stress Detection Using Machine Learning and Deep Learning: A Comprehensive Survey, International Conference on Innovations in Engineering, Humanities & Social Sciences (ICEHS-2026), January 27, 2026, New Delhi.

2024

- Haider Nakara, Prashant Mishra, Hariram Chavan, Machine Learning Algorithm Recommendation System, Lecture Notes in Electrical Engineering, Computational Intelligence in Machine Learning, DOI: 10.1007/978-981-99-7954-7_54, February 2024.

2023

- Nikita Mahajan, Hariram Chavan, MRI Images Based Brain Tumor Detection Using CNN for Multiclass Classification, 2023 3rd Asian Conference on Innovation in Technology (ASIANCON), August 2023.

- Shreya Singh; Omkar Manchekar; Ambar Patwardhan; Uday Rote; Sheetal Jagtap; Hariram Chavan, Tool for evaluating subjective answers using AI (TESA), 2021 International Conference on Communication information and Computing Technology (ICCICT), January 2021.

- Parmila Mate, Hariram Chavan, Android based continuous query processing in location based services, International Journals of Advanced Research in Computer Science and Software Engineering (IJARCSSE), Volume: 4 Issue: 5 Pages: 134-138

- Vedant Kokate, Arghyadeep Karmakar; Mustansir Kapasi; Hariram Chavan, An Algorithmic Approach to Audio Processing and Emotion Mapping, 2022 5th International Conference on Advances in Science and Technology (ICAST), December 2022.

- Sneha Singh, Sneha Zacharia, Jibbin P. Mathew, Hariram K. Chavan, S. Park: A Smart Parking Approach, Fifth International Congress on Information & Communication Technology (ICICT 2020), February 20-21, 2020 at Newton Room, Hamilton Centre, Brunel University London, UK.

- Animesh Pawar, Vaibhav Suvarna, H. K. Chavan, Intelligent Attendance System with Attention Analysis, 2nd international conference on Advances in Science and technology (ICAST -2019), 8-9th April 2019.

- Mamta Patil, H K Chavan , Event Based Sentiment Analysis of Twitter Data, International Conference on Advances in Big Data, Computing and Data Communication Systems

- Aaroosh Pandoh, Ankita Gawde, Delrina Michael, Gaurav Singh and Hariram Chavan, Tourist Guide with intelligent chat box, April, 2018.

- Arjun, Anish, Kirtana, H K Chavan, Contextual Text Summarizer for Mails, IEEE International Conference on Current Trends Towards Converging Technologies, ICCTCT 2018, March 01-03 2018.

Publications:

- Shruti D. Meshram, H. K. Chavan, Agent Guilt Model and Fake Object Distribution for Identifying Data Leakage. International Journal of Technical Research and Applications e-ISSN: 2320-8163, Special Issue 31(September, 2015), PP. 22-28, www.ijtra.com.
- N. R. Bhosale, H. K. Chavan, Interesting Measure Computations & Mining For Data Cube, International Conference on Communication and Computing (ICC-2016), July 9th - 11th, 2015.
- Dakshata Argade, Hariram Chavan, Improve Accuracy of Prediction of User's Future M-Commerce Behavior. International Conference on Advances in Computing, Communication and Control-April 1st, 2015

- H. Chavan, S. Sane, and H. B. Kekre, "Locations Prediction with Hidden Markov Models in Mobile Environment", in proceedings of International Conference on Advances in Computing and Information Technology, ICACIT'14, pages 223–228, December 2014.
- N. Jagtap, A. Chavan, and H. Chavan, "Modified PAID policy for improving Spatial Behaviour", In proceedings of International Conference on Advances in Computing and Information Technology, ICACIT '14, pages 218–222, December 2014.
- S. Desai, H. Chavan, and D. K. Chitre, "Location Based Services Cache Replacement Policy for Mobile Environment", In proceedings of International Conference of Technology Systems and Management, ICATE '13, pages 1–6, January 2013.
- H. Chavan, S. Sane, and H. B. Kekre, "A Markov-Graph Cache Replacement Policy for Mobile Environment", in proceedings of International Conference on Communication, Information and Computing Technology, ICCICT'12, pages 1–6, October 2012.
- H. Chavan, S. Sane, and H. B. Kekre, "A Dynamic Markov Cluster Prefetch Cache Replacement Policy for Mobile Environment", in proceedings of International Conference on Network Infrastructure and Management Systems, INTERFACE '11, pages 77-83, December 2011.
- H. Chavan, S. Sane, and H. B. Kekre, "A Markov Model based Cache Replacement Policy for Mobile Environment", in proceedings of International Conference on Technology Systems and Management, ICTSM '11, pages 18–26, February 2011.
- H. Chavan, S. Sane, and H. B. Kekre, "Mobile Database Cache Replacement Policies: LRU and PPRRP", In proceedings of The First International Conference on Computer Science and Information Technology, COSIT'11, pages 523–531, January 2011.
- Mobile Phones as remote Control for Device and PC Control, National Conference on Emerging Trends in Engineering and Technology, Shree L. R. Tiwari College of Engineering, Mumbai-401107, March 11, 2011.
- H. Chavan, S. Sane, and H. B. Kekre, "Mobile Database Cache Replacement Policies: Temporal, Spatial and Temporal-Spatial", in proceedings of International Conference on 'On Demand Computing, ICODC '10, pages 1–6, November 2010.
- H. Chavan, S. Sane, and H. B. Kekre, "A Survey of Mobile Database Cache Replacement Policies", In proceedings of National Conference on Intelligent Information Retrieval, NCIR'10, pages 42–46, September, 2010.
- Content based image retrieval using relevance feedback with color spatial feature, International Conference on Science, Engineering and Spirituality (ICSES' 10), S.E.S College of Engineering, Navalnagar, April 1-2, 2010.
- A geometrical feature classified leaf recognition algorithm using probabilistic Neural Network, International Conference and Workshop on Emerging Trends in Technology, February 26-27, 2010.

Expert Sessions:

- "GALE-Generative AI for Learning Experiences", FDP on Empowering educators with Generative AI : Shaping the future of learning on 28th November 2024, organized by B. K. Birla College, Kalyan Empowered Autonomous Status, Affiliated to University of Mumbai, 'College of Excellence' Status by UGC, Reaccredited by NAAC (4 Cycle) with 'A++' th Grade (CGPA – 3.51)
- "Case Study on Research in Mobile Database", ISTE-approved Two-Week Short-Term Training Program (STTP) on "Research Insight in Multi-Disciplinary Domains," organized by SAKEC Research Centre On 15th November 2024.
- UGC Madan Mohan Malaviya Teacher Training Centre(MMTTC) earlier known as Human Resource Development Centre, University of Mumbai is organizing an Offline Short Term Course in "Artificial Intelligence(Multidisciplinary)" under RUSA from July 31, 2024.
- "Data classification and Association –Python", Vidyalankar School of Information Technology, Wadala East, 06 March 2020.
- "Database Management", TEC Nerul, 27-3-2019.
- "Artificial Intelligence & Machine learning", PMMMNMTT scheme, RUSA sponsored by MHRD, VJTI Mumbai, 26-12.2018. "Data Structure & Analysis", Terna Engineering College, Nerul, Navi Mumbai, on 11th September 2018.
- "Genetic Algorithm and Machine Applications", STTP on "Hands on: Machine Learning using Python", SPIT, July 6, 2018.
- "Orientation workshop on Outcome based Accreditation", SPSPM, SKN Sinhgad College of Engineering, Pandharpur on June 9, 2018.
- Application of Design, Analysis with R programming, MCA, SPIT, 20th March 2018.
- "Linear Programming and Dimensionality", Information Technology, SPIT, March 2018.
- "Machine Learning", at STTP, FCRIT, Computer Engineering, on 2nd Jan 2018.
- "Data Analytics and R Tool" , at Rizvi College of Engineering, on 9th October, 2017
- "Data Analytics", at Bharati Vidyapeeth College of Engineering, Navi Mumbai, on 14th September, 2017
- "R-Tool" , at Shree L R Tiwari College of Engineering on 8th August, 2017
- "Data Science", at ARMIT, Mumbai, on 1st and 4th April 2017.
- "Data Science", at Vidyalankar Institute of Technology, Mumbai, on 10th February, 2017.
- "Data Structures and Algorithm Analysis" at Father Conceicao Rodrigues Institute of Technology (FCRIT) Vashi, Navi Mumbai on 30th August 2016.
- "Data Mining and Business Intelligence" at Father Conceicao Rodrigues Institute of Technology (FCRIT) Vashi, Navi Mumbai on 27th February 2016.
- "Neural Networks and its Application" at STTP organized by Department of Electronics and Telecommunication, Saraswati College of Engineering, Kharghar, Navi Mumbai on 3rd July 2015.
- "Data Mining Classification & Clustering", at STTP on Advanced Data Mining – Tools & Techniques organized by Shah & Anchor Kutchhi Engineering College Mumbai. Sept 2014.
- "Header Files and Make Utility", at NS2 Workshop organized by Terna Engineering College, Nerul, Navi Mumbai on 7th FEB 2014.
- "Neural Networks and its Applications" at STTP on Image processing, Artificial Intelligence and its Applications organized by HVPMCOET, Amravati, on 23rd Nov 2013.
- "Neural networks" at STTP on Advancement in Electronics and Telecommunication Technologies organized by K C College of Engineering and Management Studies and Research, Thane on 17th June 2013.
- "SHODH 2011" Technical Festival Judge at Department of Information Technology, Gharda Institute of Technology on April 2, 2011.
- "Data Mining Applications" at National Workshop on Data Warehousing and Data Mining (NWDWDM-10) organized by Department of Computer Science & Information Technology Dr. Babasaheb Ambedkar Marathwada University Aurangabad, February 25-27, 2010.
- "Database Management System" at Department of Computer Engineering, Gharda Institute of Technology on April 24-25, 2010.

Paper Review:

- IEEE Access Journal.
- Journal of Computer Assisted Learning, by Wiley
- Journal of Sensors (Wiley)
- IET Software Journal.
- International Journal of Computational Vision and Robotics
- 5th IEEE International Conference on Computer Vision and Machine Intelligence (CVMI-2026) - jointly organized by the Indian Institute of Information Technology IIIT(Allahabad) and COEP Technological University, Pune, October 30 to November 1, 2026, in Pune, Maharashtra, India.
- 3rd International Conference on Technologies for Energy, Agriculture, and Healthcare (ICTEAH 2026) scheduled on 16th-17th April 2026, Somaiya Vidyavihar University Campus, Vidyavihar, Mumbai-400077, Maharashtra, India
- International Conference on Communication, Computing and Emerging Technologies, IC3ET 2026, organized by Vidyavardhini's College of Engineering and Technology, Vasai, 9-10 February 2026.
- Reviewer for 2025 IEEE International Conference on Emerging Trends in Industry 4.0 Technologies (ICETI4T-2025) at SIES Graduate School of Technology (Autonomous), Nerul, Navi Mumbai, Maharashtra - 400706, June 6th- 7th 2025.
- Session chair for 2025 IEEE International Conference on Emerging Trends in Industry 4.0 Technologies (ICETI4T-2025) at SIES Graduate School of Technology (Autonomous), Nerul, Navi Mumbai, Maharashtra – 400706 on June 7th 2025.
- IEEE International Conference on Advances in Computing, Communication, and Control (ICAC3'21), December 2021.
- First International Conference on Automation, Computing and Communication (ICACC-2020), April 2020.
- 2nd international conference on Advances in Science and technology (ICAST -2019), April 2019
- Fist International Conference on Smart City and Emerging Technologies, January, 2018.
- International Conference on Innovation and research in Technology and Engineering, October 2017
- 4th National Conference on Advances in Technology and Management (NCATM-2017), March 2017.
- 2nd Biennial International Conference on Nascent Technologies in Engineering, Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, January 27-28 2017
- 3rd National Conference on Advances in Technology and Management 2016, 21-22 March 2016.
- International conference on Technologies for Sustainable Development-ICTSD 4-6th Feb 2015.
- International Conference on Advances in Computing and Information Technology-ICACIT 18-19th December 2014.