UDAY ROTE

Dean, Student Welfare, KJSIT | Assistant Professor, Information Technology

K. J. Somaiya Institute of Technology, Sion, Mumbai

PROFESSIONAL PROFILE

Senior academic professional with more than two decades of experience in Information Technology education, academic administration, student welfare, departmental leadership, project guidance, accreditation support, university examination work and technical event coordination. Research and teaching interests span Wireless Sensor Networks, IoT, Artificial Intelligence, Machine Learning and intelligent applications. Known for sustained student-centric leadership, institutional service and industry-research-oriented mentoring.

CORE COMPETENCIES

Student Welfare & Development	**Academic Administration**	**Department Leadership**	**Project & Research Guidance**
NAAC / NBA Activities	**IoT & Wireless Sensor Networks**	**AI / ML**	**Event Administration**

CURRENT APPOINTMENT & PROFESSIONAL EXPERIENCE

- Dean, Student Welfare, K. J. Somaiya Institute of Technology — 2018 to Present
- IoT, Centre of Excellence In-Charge—2024 to present
- Assistant Professor, Department of Information Technology, KJSIT — 2002 to Present; joined under UGC Selection on 02 September 2002
- Head of Department, Information Technology — institutional leadership responsibility-2016-2018
- Head of Department, Computer Engineering — 2009 to 2015
- Lecturer, L.T. College of Engineering, Koparkhairane, Navi Mumbai — 1.5 years

EDUCATIONAL QUALIFICATIONS

Degree	Year / Status	Institution	University	Result
B.E.	2000	SSGMCE, Shegaon	Amravati University	First Class – 63.23%
M.E.	2008	Bharati Vidyapeeth, Pune	Bharati Vidyapeeth, Pune	First Class – 7.51 CGPA
Ph.D.	Pursuing	K. J. Somaiya Institute of Technology, Sion	University of Mumbai	Pursuing

RESEARCH INTERESTS

Artificial Intelligence & Generative AI • Internet of Things • Wireless Sensor Networks • Data Analytics & Intelligent • AI-enabled Educational Applications

RESEARCH PUBLICATIONS

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Year	Publication	Venue / Publisher
2024	Smart Contracts and Tokenization: Revolutionizing Real Estate Transactions with Blockchain Technology	2024 International Conference on Inventive Computation Technologies (ICICT), IEEE, pp. 1598–1604
2024	IBM Cognos Analytics: The Next Generation of Business Monitoring Designed for the Data-Driven Enterprise	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Vol. 4, Issue 1
2022	WiFi Deauth and Cloning using ESP8266	5th International Conference on Advances in Science and Technology (ICAST), IEEE, pp. 106–110
2021	Travel Buddy: Travel Companion using Knowledge Graph	4th International Conference on Advances in Science and Technology (ICAST); SSRN

	Attention Networks	Repository
2021	Tool for Evaluating Subjective Answers using AI (TESA)	4th International Conference on Advances in Science and Technology (ICAST); SSRN Repository
2021	Roadways Distress Management System	4th International Conference on Advances in Science and Technology (ICAST); SSRN Repository
2021	Data Aggregation Approaches in WSNs	2021 International Conference on Computer Communication and Informatics (ICCCI), IEEE
2020	Improved Energy Efficient Structure-Free Data Aggregation and Delivery (IESDAD) Convention in WSNs	2020 2nd International Conference on Advances in Computing, Communication Control and Networking (ICACCCN), IEEE
2020	Real-Time Stock Market Forecasting using Ensemble Deep Learning and Rainbow DQN	3rd International Conference on Advances in Science and Technology; SSRN Repository
2020	Tourism Application Using Augmented Reality	3rd International Conference on Advances in Science and Technology; SSRN Repository
2019	Bank Reconciliation Bot	2nd International Conference on Advances in Science and Technology; SSRN Repository
2018	IoT Based Smart Projector	International Research Journal of Engineering and Technology
2018	Anti-Theft Mobile Application	Advances in Wireless and Mobile Communications
2018	Fuel Level Calibration Using Wireless Sensor Network	Open Access International Journal of Science and Engineering
2018	Linear Regression for Trends in Technical Skills	International Journal for Innovative Research in Science & Technology
2018	Anti-Theft Mobile Tracking Application	Open Access International Journal of Science and Engineering
2018	IoT Based Petrol Level Detection	International Journal of Computational Intelligence Research

ACADEMIC & ADMINISTRATIVE LEADERSHIP

- **Dean, Student Welfare** — 2018 to Present; leadership of student development, welfare, co-curricular and extracurricular initiatives.
- Head of Department — Information Technology; Head of Department — Computer Engineering (2009–2015).
- Dean, Alumni and Corporate Relations(2012-2018)
- Overall In-charge, Admission Committee (FE and DSE)(2013-2018).
- CSI Student Chapter , Convener 2009 to present.
- NAAC/NBA-related academic and institutional activities; Laboratory In-charge; Training & Placement Coordinator.
- Proctor & Discipline Committee;
- Unfair Means Inquiry Committee; Chief/Joint Chief Conductor and Senior Supervisor for University Examinations.
- Syllabus Revision Committee Member, University of Mumbai Paper Setter, and External Examiner for M.E./B.E. oral examinations.

STUDENT WELFARE & INSTITUTIONAL ENGAGEMENT

- Lead student welfare activities through the Students' Council and support holistic student development.
- Convener/mentor for academic, cultural, awareness and development activities, professional bodies, clubs and institutional events.
- Promote leadership, teamwork, communication, technical capability and extracurricular participation among students.

FACULTY DEVELOPMENT & PROFESSIONAL DEVELOPMENT

- AI/ML Faculty Development Programme — recently attended (organizing institute, dates and duration to be added when available).
- FDP Coordinator — Ph.D. Aspirants FDP, 2014.
- AICTE-ISTE Sponsored STTP on Emerging Trends in Wireless Communication & Networks — Umrer College of Engineering, 23–28 March 2009.
- Faculty Development Programme "Enabling the Guru" — L&T Infotech, Navi Mumbai, 17–18 January 2008.
- AICTE-ISTE Sponsored STTP on Component Technology — Fr. C. Rodrigues Institute of Technology, Vashi, 17–22 December 2007.

- Two-week STTP on Opportunities and Trends in Information System Security — DBIT, Kurla, 20 November–01 December 2006.
- Two-day Faculty Training Programme — Accenture, Mumbai, 21–22 August 2006.
- Three-day Workshop on Bioinformatics – Application in Life Sciences — University of Mumbai, 09–11 February 2007.
- Additional seminars/workshops in modern data communication, GNU/Linux, mobile cellular systems and wireless LAN.

TEACHING, PROJECT GUIDANCE & EXAMINATION RESPONSIBILITIES

- Project Guide for B.E. students in Computer Engineering and Information Technology — 2002 to Present.
- Project Guide for M.E. students at Tasgaonkar College of Engineering, Karjat.
- University examination duties including paper setting, chief conduction, supervision and unfair-means inquiry.
- External examiner for M.E. and B.E. oral examinations.

PROFESSIONAL MEMBERSHIPS

• ISTE — Member • Computer Society of India (CSI) — Member

RECOGNITION

- Best HOD Award by CSI Mumbai at IIT Bombay — 2018.

TECHNICAL / ACADEMIC AREAS

• Generative AI • IoT • Wireless Sensor Networks • Computer Networks • Educational Technology.

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PERSONAL DETAILS

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