

Prof. (Dr.) Amit P. Ganatra

Provost (Vice Chancellor), Parul University, Vadodara

Professional Summary

Prof. (Dr.) Amit P. Ganatra is a distinguished, experienced, qualified professional and a highly accomplished academic leader with over 24 years of teaching experience at the UG level and 20 years of concurrent teaching and research experience at the PG level currently serving as the Provost (Vice Chancellor) of Parul University, Vadodara with extensive experience in teaching, research and administration. His expertise and research interests lies in computer engineering and specifically to Data Analytics (Data Mining), Big Data Analytics (Data Science), Artificial Intelligence, Machine Learning and Deep Learning, Explainable AI, Soft Computing, Cloud Computing, System Software, Software Engineering, IoT, Block-chain Technologies and more. He has made significant contributions to research through publications, project leadership and guidance of 23 (15 complete, 08 Ongoing) Ph.D and 02 (01 completed 01 ongoing) Postdoc supervision. His commitment to innovation is evident in his patent application and engagement with industry. Prof. Ganatra actively participates in professional societies and contributes to academic development through workshops and lectures. He has authored/co-authored over 170 research papers in reputed international journals and conferences. Proven ability to provide effective leadership, manage academic programs and contribute to the overall growth and development of an institution.

Education

- Ph.D. in Information Fusion Techniques in Data Mining, KSV University, 2012
- M.Tech. in Computer Engineering, Dharmsinh Desai University (DDU), 2004
- B.Tech. in Computer Engineering, Gujarat University, 2000

Work Experience

Provost, Parul University, Vadodara

Aug 2022 – Present

- Leading academic affairs and ensuring the highest quality of teaching, learning, and research.
- Overseeing the development and implementation of academic programs.
- Managing faculty recruitment, development, and performance evaluation.
- Fostering innovation and collaboration within the university.
- Representing the university at national and international forums.

Dean, Faculty of Technology & Engineering, CHARUSAT

Jan 2011 – July 2022

- Managed academic programs and supervised teaching and research activities.
- Founded and led the Computer Engineering and IT departments.

Professor, Computer Engineering Department, CHARUSAT

Sept 2012 – July 2022

- Taught postgraduate and undergraduate courses in computer engineering.

Principal, Devang Patel Institute of Advanced Technology & Research

Jan 2017 – July 2022

- Supervised all academic and administrative activities.

Head of Department, Computer Engineering, CSPIT

June 2019 – July 2022

- Headed the department and led its academic and research activities.

Research & Expertise

- Data Analytics & Big Data Analytics
- Artificial Intelligence & Machine Learning
- Cloud Computing & IoT
- Software Engineering & System Programming
- Blockchain Technologies

Key Achievements

- 🏆 Authored over 170 peer-reviewed research papers in reputed international journals and conferences.
- 🏆 Achieved an h-index of 64, an i10-index of 44, and over 5803 citations.
- 🏆 Published three research books including:
 - 📖 "Classification & Optimization to Evaluate the Fitness of an Algorithm"
 - 📖 "Optimization of Neural Network Parameter using Genetic Algorithm"
 - 📖 "Ensemble System in Data Mining"
- 🏆 3+ Filed/Published patents
- 🏆 Secured over INR - 2 crore in research grants from AICTE and ICMR.

Supervision & Leadership

- 👤 Supervised 23 Ph.D (15 complete, 08 Ongoing) and 02 Postdoc (01 completed 01 ongoing) candidates.
- 🏢 Led research projects for industries and funding agencies.
- 👥 Member of Board of Studies for various universities.
- 🤝 Strong industry collaboration in research and consultancy projects.

Skills

- 🔗 Programming Languages: C, C++, Java, Python
- 🔗 Database Management Systems: MySQL, PostgreSQL
- ☁️ Cloud Platforms: AWS, Azure
- ⚙️ Machine Learning Libraries: TensorFlow, PyTorch
- 👥 Leadership, Communication, Teamwork, Collaboration
- 🕒 Time Management, Problem-solving, Critical Thinking

Strong Projects

- 🤖 IoT-based Approach to Test Quality of Water for Drinking and Irrigation (AICTE funded).
- 🏥 Developing a High Quality Patient-Centric Integrated Model for Emergency Care (ICMR funded).

Professional Affiliations

- 👤 Senior Member, Institute of Electrical and Electronics Engineers (IEEE).
- 👤 Member, Association for Computing Machinery (ACM).
- 👤 Member, CSI Professional Society Chapters.

Previous Roles in Detail

- Dean, Faculty of Technology and Engineering, CHARUSAT** Jan 2010 – July 2022
 - 📁 Led and managed academic programs, research activities, and administrative tasks.
- Principal, Devang Patel Institute of Advanced Technology & Research (DEPSTAR)** Feb 2017 – July 2022
 - 📁 Managed institute operations, curriculum development, and faculty coordination.
- Coordinator, Academic Programs for FTE, CHARUSAT** Dec 2010 – July 2022
 - 📁 Coordinated academic programs and ensured alignment with university goals.
- Professor, U & P U. Patel Department of Computer Engineering, CHARUSAT** Jan 2013 – July 2022
 - 📁 Led teaching and research activities in the department.
- Associate Professor, U & P U. Patel Department of Computer Engineering, CHARUSAT** Jan 2010 – Dec 2012
 - 📁 Delivered lectures and supervised student research in computer engineering.

Head of Department, U & P U. Patel Department of Computer Engineering, CSPIT	Apr 2001 – June 2019
📁 Managed departmental activities, curriculum development, and faculty mentorship.	
Assistant Professor, U & P U. Patel Department of Computer Engineering, CSPIT	Aug 2005 – Dec 2009
📁 Conducted lectures, exams, and research projects.	
Lecturer, Senior Grade, Computer Engineering Department	May 2005 – July 2005
📁 Delivered lectures and supported departmental activities.	
Lecturer, Computer Engineering Department, CSPIT	Apr 2001 – Apr 2005
📁 Taught undergraduate students and assisted with research projects.	
Visiting Faculty, Dharmsinh Desai University	2004 – July 2019
📁 Taught postgraduate courses in engineering.	
Visiting Faculty, Ahmedabad University	2014 – July 2022
📁 Delivered specialized courses in computer engineering.	
Visiting Faculty, IIT Vadodara	2020 – 2022
📁 Taught advanced topics in computer science.	
Adjunct Professor, Atharva Institute, Mumbai	
📁 Taught specialized courses in computer engineering.	
Adjunct Professor, Parul University, Vadodara	
📁 Delivered lectures and supported academic activities.	

Additional Activities

- 🎤 Delivered over 400 expert lectures and conducted 200+ workshops.
- Reviewed research papers for various journals and conferences.
- 🌐 Invited speaker at international forums by CSI.

Contact Information

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