NAMTECH | Job Description | Faculty Hiring | Artificial Intelligence, Machine Learning & Data Science

Center of Advanced Computing & AI | Ahmedabad

Last Date to Apply: 30 November 2026

1. Position Overview

NAMTECH invites applications from qualified and experienced academicians and industry professionals for faculty positions in Artificial Intelligence, Machine Learning and Data Science.

The selected faculty members will contribute to teaching, curriculum development, applied research and industry-oriented academic initiatives. Candidates should have expertise in one or more of the following domains: Machine Learning, Deep Learning, Data Analytics, Database Management, Mathematics for AI, Computer Vision and Natural Language Processing (NLP).

The role involves delivering foundational and advanced courses, developing hands-on laboratory exercises, and mentoring students in industry-oriented projects focused on AI-driven data analysis, deployable machine learning solutions, intelligent computer vision systems and NLP applications.

2. Key Teaching Areas

Core Areas

- Machine Learning and Deep Learning
- Data Analytics and Statistical Learning
- Database Management Systems, SQL and Big Data Analytics
- Mathematics and Statistics for Artificial Intelligence
- Pattern Recognition and Predictive Analytics

Specialised and Advanced Areas

- Industrial Computer Vision and Image Analysis
- Generative AI and Large Language Models (LLMs)
- Natural Language Processing (NLP)
- Retrieval-Augmented Generation (RAG)
- MLOps and Machine Learning Deployment
- Agentic AI and Intelligent AI Systems

3. Roles and Responsibilities

- Deliver high-quality theoretical and practical sessions in Machine Learning, Deep Learning, Statistical Data Analytics and Computer Vision.
- Develop and conduct hands-on laboratory sessions, practical exercises and project-based learning activities using Python, SQL and relevant AI/ML frameworks.
- Mentor and guide students in developing AI-driven solutions for industrial applications, including automated quality inspection, defect detection, predictive analytics and process optimisation.
- Design assessments, assignments, case studies and capstone projects aligned with emerging technologies and industry requirements.
- Integrate advanced AI concepts, including Generative AI, NLP, RAG, MLOps and Agentic AI, into teaching and applied learning activities.
- Collaborate with industry partners to develop real-world datasets, applied research projects and experiential learning opportunities.
- Contribute to curriculum design, academic planning, programme development and interdisciplinary academic initiatives.
- Undertake applied research, publish research papers and contribute to sponsored research and consultancy projects.
- Participate in academic administration, student mentoring, institutional activities and other responsibilities assigned by the School.

4. Essential Qualifications and Experience

- Ph.D. in Computer Science, Artificial Intelligence, Data Science, Information Technology or a closely related discipline from a reputed institution.
- Candidates with qualifications and experience from Institutes of National Importance (INIs), IITs, NITs or other Institutes of Eminence will be preferred, in accordance with the applicable faculty-level requirements.
- Strong understanding of Machine Learning algorithms, Deep Learning architectures, Pattern Recognition, Statistical Learning and Data Analytics.
- Proficiency in Python and relevant libraries/frameworks such as NumPy, Pandas, Scikit-learn, OpenCV, TensorFlow and PyTorch.
- Practical knowledge of SQL, relational databases, data preprocessing and large-scale data analysis.
- Ability to deliver effective teaching through laboratory sessions, experiential learning and project-based pedagogy.

5. Desirable Qualifications and Experience

- Experience in industrial AI applications, particularly smart manufacturing, automated inspection, intelligent automation and predictive maintenance.
- Hands-on experience in developing and deploying machine learning and deep learning models.
- Knowledge of Generative AI, LLMs, RAG pipelines, Agentic AI and MLOps.
- Experience in research publications, funded projects, industry collaborations and interdisciplinary research.
- Relevant industry experience in AI, Data Science, Computer Vision or software development will be an added advantage.

6. Faculty Designation and Eligibility Criteria

The designation will be determined based on the candidate's academic qualifications, relevant experience and applicable institutional faculty recruitment norms.

Designation	Minimum Qualification	Experience Requirement
Associate Professor	Ph.D. in a relevant discipline, preferably from an Institute of National Importance (INI).	Minimum 6 years of teaching experience, including at least 3 years as Assistant Professor.
Assistant Professor (III)	Ph.D. from an Institute of National Importance (INI).	Minimum 3 years of experience as Assistant Professor (Level II).
Assistant Professor (II)	Entry-level faculty recruited from INIs for NAMTECH Schools / NSSI Lecturer Grade II / Assistant Professor (Level I) who has completed Ph.D.	Minimum 2 years of experience as Assistant Professor (Level I) at NAMTECH.
Assistant Professor (I)	Master's degree in a relevant discipline, preferably M.Tech./M.E.	Minimum 2 years at NAMTECH and 5 years of post-M.Tech./M.E. experience (Institutional Track).

Note: Appointment and designation will be subject to NAMTECH's applicable faculty recruitment policy, institutional norms and approval of the competent authority.

7. Key Competencies

- Strong academic, communication and presentation skills.
- Ability to translate complex AI concepts into practical, industry-relevant learning experiences.
- Strong programming, analytical and problem-solving capabilities.
- Demonstrated commitment to student mentoring, innovation and applied research.
- Ability to work collaboratively with multidisciplinary academic and industry teams.

8. Application Process

Interested candidates are invited to share their updated CV, highlighting their academic qualifications, teaching experience, research contributions, technical expertise and relevant industry projects.

Application Email: dhara.shah@namtech.ac

Email Subject: Application – Faculty – Artificial Intelligence, Machine Learning & Data Science – [Preferred Designation]

Last Date for Submission of Applications: 30 November 2026

Only shortlisted candidates will be contacted for further selection processes.