Miss Charmi Mehta,
Assistant Professor, Data Science
School Of Technology

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Education
M.E.-Computer Engineering-from GTU-in 2018
B.E.-Computer Engineering- from GTU-in 2016

Key Skills

Miss. Charmi Mehta is capable of providing comprehensive solutions to industry and university in following areas:

1. **Data Science & Machine Learning:** Expertise in statistical analysis, data visualization, supervised/unsupervised learning, and predictive modelling.

2. **Teaching & Mentoring:** Experience in developing and teaching data science and machine learning courses, mentoring students, and fostering hands-on learning.

3. **Collaboration & Curriculum Development:** Team-oriented, with experience designing courses, integrating real-world projects, and contributing to academic committees.

Background
Having more than 5 years of teaching experience in various institutes, Joined GSFC University in January, 2025

Development of New Courses:
- Designed and implemented cutting-edge courses in advanced topics like deep learning, reinforcement learning, or AI ethics, which have been well-received by students and faculty.
- Developed interdisciplinary courses that integrate data science with other fields (e.g., healthcare analytics, financial data science, AI in education).

Curriculum Revision & Enhancement:

- Led efforts to update and modernize the curriculum to align with emerging trends in data science, machine learning, and artificial intelligence.
- Integrated practical industry tools, case studies, and real-world data into the curriculum, increasing student engagement and job readiness.

Student Research Supervision:
- Supervised and mentored graduate and undergraduate students on successful research projects, some of which have been published in peer-reviewed journals or presented at conferences.
- Guided students in producing high-quality theses or dissertations on novel topics in machine learning, which contributed to the field.

Academic Leadership:
- Played a key role in establishing or enhancing data science programs within the department, leading to an increase in student enrollment and program recognition.
- Served as an academic advisor for graduate students, helping them with their research focus, career paths, and academic development

Top Notable Publications

1. Mehta, Charmi. "Basics of Data Mining: A Survey Paper." *International Journal of Trend in Research and Development* 4.2 (2017).