



**Ms. Patel Mosam Pankajbhai,**

Assistant Professor, Computer Science & Engineering  
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**Education**

PhD Pursuing-DDU, Nadiad, Gujarat.

M.E. Computer Engineering- GTU, Gujarat

B.E. Computer Engineering- Gujarat University

MOOC- NPTEL (3 Courses), Infosys Springboard (2 Courses), Other MOOC Platforms-(3 Courses)

**Key Skills**

Ms. Mosam Patel is well verse with various skills of Computer Science & Engineering.

Apart from Teaching at Engineering, she possesses following skills:

- Strong ability to deliver course material through a variety of teaching methods.
- Mentoring Students and help them overcome various Academic issues.
- Excellent presentation and communication skills.
- Proficiency in .Net Technologies, Python programming, Artificial Intelligence, Machine Learning, Natural Language Processing.

**Background**

Joined GSFC University in September 2022

**Scholarship and Accomplishments**

Ms. Mosam Patel is a proficient Professor. Her major area of research interest is Natural Language Processing & Data Science. Currently she is doing a research on Knowledge Graphs and its applications in Health Care.

She has more than 14 years of Teaching Experience wherein he has served as Faculty in the Faculty of Science, MS University of Baroda, MBICT-CVM, Parul University and then, GSFC University. She teaches subjects like Computer Organization, Computer Programming. During her academic career she has taught other subjects like Compiler Design, Web Technologies, DotNet Technologies, Data Base Systems, etc.

While Working at MS University of Baroda, Ms. Mosam had got notable recognition from the University management for automating the Admission Process and Subject Choice Filling at the Faculty of Science. She has been a successful Student Academic Counsellor throughout her entire Academic career. She has guided MTech Students on Thesis topics like “An Automation to Reduce Road Traffic Accidents Using Machine Learning Techniques”, “Air Quality Prediction using Various Machine Learning Techniques”. She has guided many students at undergraduate level for their minor and major projects.

She has worked on various live projects and have completed various certificate courses like Python for Data Science on NPTEL- Swayam platform, Applied Natural Language Processing on NPTEL- Swayam platform, Programming concepts with Python part-1 & 2 on Infosys SpringBoard platform, etc.

Currently, Ms. Mosam is a part of Coordinating Minor Degrees offered in various specializations offered by CSE Dept. She is also a part of Departmental Time Table Committee.

### **Three Notable Publications**

1. "Efficiency and time complexity improvement of hybrid fuzzy-neuro model using rule pruning" published in the International Journal of Software & Hardware Research in Engineering ISSN No: 2347- 4890(Online) for May 2014 VOLUME 2 ISSUE 5.
2. "Various Rule pruning techniques and Accuracy Measures for Fuzzy Rules" published in the International Journal of Application or Innovation in Engineering and Management ISSN No. 2319 – 4847 in Volume 2, Issue 12, December 2013.
3. "An Automation to Reduce Road Traffic Accidents Using Machine Learning Techniques" Elsevier – JESTCH available at SSRN 4051654- May 2022