

Name of Faculty	Sonia Flora Panesar
Designation	Assistant Professor
Email id	soniapanesar.ce@bitseducampus.ac.in
Contact number	0265-2303991
Total Experience	3 Y 8 M
Teaching	Teaching- 2 Y 5 M
Industry	Industry- 1 Y 3 M
Professional Summary	After completing my B.Tech , Worked as Lecturer in DAV, College, Jalandhar in July,2006-07 , then joined Babaria Institute of Technology as Lecturer in April,2008 to Oct,2008. Served as IT Engineer in GMW Pvt Ltd, Vadodara from Dec,2015 to Mar,2017. Joined M.Tech – Computer Engineering in July,2017 in Parul Institute of Engineering and Technology. And from July,2019 till present, joined Babaria Institute of Technology as Assistant Professor.
Current Activities	Currently working as Assistant Professor in Babaria Institute of Technology.
Specialization Areas	<ul style="list-style-type: none"> ➤ Artificial Intelligence ➤ Machine Learning and Deep Learning ➤ Pattern Recognition and Classification ➤ Data Analytics
Subject Taught (UG/PG)	UG Level <ul style="list-style-type: none"> ➤ Computer Architecture ➤ Database Management System ➤ Data Structure ➤ Data Mining and Business Intelligence ➤ Theory of Computation
Qualifications	<ul style="list-style-type: none"> ➤ M.Tech(Computer Engineering – 2017-19)(With Distinction) Parul Institute of Engineering and Technology (Parul University) Vadodara, Gujarat ➤ B.Tech (Computer Science & Engineering - 2002-06) DAV Institute of Engineering and Technology (Punjab Technical University) Jalandhar, Punjab
Skills	Basic Python and Python for Data Analytics, R programming, Matlab, C and C++ programming, LaTeX, Good verbal and written communication skills, Willingness to learn and a team facilitator.
Achievements	NA
Research Project	During Dissertation of M.Tech, I have done the project in computer vision using Deep Learning Field. Project Title : Handwritten Gurmukhi Digit Recognition using Convolutional Neural Network
Publications	<ul style="list-style-type: none"> • A SURVEY ON FEATURE EXTRACTION METHODS & CLASSIFIERS FOR HANDWRITTEN GURMUKHI CHARACTER RECOGNITION published by International Journal of Computer Sciences and Engineering, Vol.7, Issue.2, pp.320-327, 2019. • HANDWRITTEN GURMUKHI DIGIT PREDICTION USING BACKPROPAGATION NEURAL NETWORK WITH KERAS AND TENSORFLOW published by International Journal of Research and Analytical Reviews, Vol.6, Issue.1, Page No pp.641-645, March, 2019.

* COMPARISON STUDY OF HANDWRITTEN DIGIT RECOGNITION USING ARTIFICIAL NEURAL NETWORK AND CONVOLUTIONAL NEURAL NETWORK: A REVIEW published in Journal of Emerging Technologies and Innovative Research, ISSN:2349-5162, Vol.6, Issue 5, page no.94-97

Activities and honours	NA
Grant Received	NA