

## Bio-Data

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**Areas of Research:** Software Engineering, Software Testing

**Research Metrics (Google scholars):**

	Citations	h-index	i10-index
All	144	7	6
Since 2019	107	6	7

**Link:** <https://scholar.google.com/citations?user=zJcF61MAAAJ&hl=en>

**Academic Qualifications:**

Examinations	Board/ University	Year of Passing	%age	Division/Rank/ University Position	Subject
Matric	Central Board of Secondary Education	1987	62.6%	First	Mathematics, Science, Social Studies Languages
10+2	Central Board of Secondary Education	1989	75.4%	First	Mathematics, Physics, Chemistry, Biology, Languages
B.Sc (Non-Medical)	Guru Nanak Dev University, Amritsar	1992	62.16%	First	Mathematics, Physics, Chemistry
M. C. A.	Guru Nanak Dev University, Amritsar	1995	79.50%	Distinction University Medal	Computer Applications
NET for Lectureship	UGC	December 1996			Computer Science
SLET Qualification	Punjab University, Chandigarh	April 1997			

**Research Degree:**

Sr. No	Degrees	Title	Date of Award	University
1.	Ph. D.	Analysis and Development of Testing Techniques for Component-based Software Systems	12 <sup>th</sup> September, 2012	Punjabi University Patiala

**Details of Experience:**

Sr. No	Name of the Institute/Employer	Position held	Period	Duration	Major Job responsibilities
1.	Department of Computer Science, Punjabi University, Patiala	Assistant Professor (Ad hoc)	Oct 1997 - Sep 2000	3 Years	<ul style="list-style-type: none"><li>Teaching, Research and Development</li><li>Research work and research guidance in the area of Software Engineering and testing activities</li><li>Modification and Updation of the course contents</li><li>Member of various academic and administrative committees of the Department.</li><li>Member summer internship programme For various programmes</li></ul>
		Assistant Professor (Stage 1)	Sep 2000 - Oct 2006	6 Years	
		Assistant Professor (Stage 2)	Oct 2006-Oct 2011	5 Years	
		Assistant Professor (Stage 3)	Oct 2011- Oct 2014	3 Years	
		Associate Professor	Oct 2014-Oct 2017	3 Years	
		Professor	Oct 2017 Till Date		

**Papers taught at Undergraduate and Postgraduate Levels:**

- Operating Systems
- Computer System Architecture
- Software Engineering
- Object-Oriented Modelling and Design using UML
- Python Programming
- Data Science using Python

**Technical Proficiency:**

- Programming Languages: C/C++, Python
- Operating Systems : Windows, Unix

**Reviewer of the Journals:**

Scopus, Science Direct, Elsevier, IEEE

**Research Publications:**

**Link:** <https://scholar.google.com/citations?user=zJcF61MAAAAJ&hl=en>

**Research Guidance:**

**Ph. D.** Completed: 05                      Under Guidance: 02  
**M.Tech/M. Phil.** Completed: 26