

# PROF. RUCHIKA MALHOTRA

Currently working as Head of Department & Professor in Department of Software Engineering, Delhi Technological University (DTU), Delhi, India

## Research Contributions

**H-index: 33 & Citation count: 3915** as reported by Google Scholar

**Publications in Top Journals in Software Engineering:** Empirical Software Engineering (IF: 3.156), Information and Software Technology (IF: 2.726), Automated Software Engineering (IF: 1.875), Applied Soft Computing, (IF: 5.472), Software Quality Journal (IF: 1.460), Swarm and Evolutionary Computation (IF: 6.912), Neurocomputing (IF: 4.438)

**Total Publications: 206**

Number of Books Published: 02

Number of Book Chapters Published: 03

Publications in International Journals: 89

Publications in National Journals: 04

Publications in National and International Conferences: 108

Ph.D Awarded: 07

Ph.D Pursuing: 10

M.Tech Thesis Guided: 55

## Awards & Recognitions

- **Received Raman Post Doctoral Fellowship of \$3000 per month in USA for 12 months** from University Grants Commission, Govt. of India, India.
- **Ranked amongst top 2% scientists in the world for careerlong citation impact up until the end of 2019 & 2020 in field of Artificial Intelligence & Image Processing by a recent study by Stanford University published in Ploss Biology, 2020.**
- **Received Commendable Research Award for SCIE indexed publications in 2020, 2019 and 2018 by DTU.**
- IBM Best Faculty Award 2013 of \$5000
- Received Best Presenter Award of £100 in “Search Based Software Testing”, 36<sup>th</sup> ICSE 2014.

## Expertise

- Software Engineering and Quality
- Empirical Software Engineering
- Software Testing and Metrics

## Administrative Contributions

- **Head of Department, Department of Software Engineering**, March 2021-Till date
- **Associate Head, Department of Computer Science & Engineering**, December 2015-March 2021
- **Associate Dean IRD**, October 2018-Till Date
- **Nodal Officer**, International & National Rankings
- Assistant Director, International Affairs, Delhi Technological University, October 2018-December 2019
- Ph.D & M.Tech Admissions Co-ordinator, Delhi Technological University, 2012–14
- Public Relations Officer, Delhi Technological University, Feb 2012 – July 2014

## Subjects Taught & Courses Developed

**Graduation level (B.Tech):** Software Testing, Software Engineering, Object Oriented Software Engineering

**Post-Graduation (M.Tech & Ph.D):** Software Testing, Software Quality & Metrics, Software Engineering

**Designed B.Tech(Software Engineering), M.Tech (Software Engineering) & M.Tech (Data Science Scheme)**

## Countries Visited for Research and Academic Collaboration

United Kingdom, USA, Switzerland, Germany, Italy, Finland, Greece, Srilanka, Indonesia

## Qualifications

Academic Qualification	University	Year
Post Doc	Indiana University Purdue University Indianapolis, USA	2014-15
Ph.D	Guru Gobind Singh Indraprastha University, Thesis title: Empirical Validation of Object-Oriented Metrics for Predicting Quality Attributes	