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: 40 & Citation count: 6047 as reported by Google Scholar

Publications in Top Journals in Software Engineering: Empirical Software Engineering (IF: 3.5), Information and Software Technology (IF: 3.8), Automated Software Engineering (IF: 2.0), Applied Soft Computing, (IF: 7.2), Software Quality Journal (IF: 1.7), Swarm and Evolutionary Computation (IF: 8.2), Neurocomputing (IF: 5.5), ACM Computing Surveys (23.8), Cluster Computing (IF: 3.6)

Total Publications: 271

Number of Books Published: 02	Number of Book Chapters Published: 05
Publications in International Journals: 132	Publications in National Journals: 04

Publications in National and International Conferences: 128

Ph.D Awarded: 11   Ph.D Pursuing: 09   M.Tech Thesis Guided: 130

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, 2021, 2022, 2023, and 2024 in field of Artificial Intelligence & Image Processing by a recent study by Stanford University published in Ploss Biology.**
- **Received Commendable Research Award for SCIE indexed publications in 2024, 2023, 2022, 2021, 2020, 2019 and 2018 by DTU.**
- IBM Best Faculty Award 2013 of $5000
- Received Best Presenter Award of £100 in "Search Based Software Testing", 36th 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- August 2022
- **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	