FACULTY PROFILE

Name: Dr. Rolly Gupta

Designation: Assistant Professor, CSE Department

E_Mail: rollyg@srmist.edu.in

Professional Qualification:

- ➢ Ph.D. from Delhi University in 2022.
- ➢ M.Tech (CSE) from GGS Indraprastha University, Delhi in 2010.

- ➢ Research Interests: Databases, Data Analytics, Machine Learning, Software Engineering, Data warehousing and data mining.

Publications (Journals & Conferences):

- ➢ Published +50 research papers in International / National journals and conferences.
- ➢ Rolly Gupta, Lalit Kumar Sagar, 'Predicting Encopresis & Enuresis Treatment: Utilizing AI', International Conference on Artificial Intelligence, Blockchain, Computing and Security-2023.
- ➢ Saurabh Gupta, Rolly Gupta, 'Randomized Gaze-Contingent Music Reward Therapy for Major Depressive Disorder in Adolescents', NIELIT's International Conference on Communication, Electronics and Digital Technologies (NICE-DT'23).
- ➢ Rolly Gupta, Lalit Kumar Sagar,' Anomalies in risks and returns after pronouncement of investments in Artificial Intelligence', Sustainability Principles and Applicationsin Engineering Practice (SPAEP) 2023.
- ➢ Anjana Gosain, Sangeeta Sabharwal and Rolly Gupta, "Validation of Quality metrics for the Cost efficiency of View Maintenance Models in Data Warehouse" International Research Journal of Computer Science, (IRJCS) ISSN: 2393-9842, Issue 05, Volume 6, Page no. 213-222, May 2022.

- Anjana Gosain, Sangeeta Sabharwal and Rolly Gupta, "Quality metrics Validation in View Maintenance Models of Data Warehouse", International Journal of Computer Applications 178(11):36-42, May 2021.
- Rolly Gupta, Sangeeta Sabharwal, Anjana Gosain "Model Based Feature Selection for View Maintenance Models Of Data Warehouse", International Journal of Emerging Technologies and Innovative Research, ISSN:2349-5162, Vol.6, Issue 5, page no.609-615, May-2019.
- Rolly Gupta, Sangeeta Sabharwal, Anjana Gosain, "Two-Stage Stochastic Algorithm for View Maintenance model: Cost-Efficiency and Maintenance Optimization", International Journal of Electronics Engineering (ISSN: 0973-7383) Volume 11, Issue 1 pp. 503-510 Jan 2019-June 2019.
- Anjana Gosain, Sangeeta Sabharwal, Rolly Gupta, "Validating Quality metrics for the View Maintenance Models of Data Warehouse", International Journal of Applied Engineering Research ISSN 0973-4562 Volume 14, Number 8 (2019) pp. 1984-1996.
- Anjana Gosain, Sangeeta Sabharwal, Rolly Gupta, "A Constraint Based Approach to View Maintenance" International Journal of Engineering Science and Computing, ISSN 2321 3361, Vol9, issue 4, April 2019, pp.21247- 21250.
- Anjana Gosain, Sangeeta Sabharwal, Rolly Gupta, "Framework Based Materialized View Evolution: A survey" , International Journal of Engineering Science and Computing, November 2017, ISSN 2321 3361, Volume 7, issue 11, pp. 15620-15635.
- Anjana Gosain, Sangeeta Sabharwal, Rolly Gupta "Model Based Materialized View Evolution: A Review", ICRTC2015, ELSEVIER, Procedia Computer Science, Ghaziabad, India.
- Anjana Gosain, Sangeeta Sabharwal, Rolly Gupta, "Architecture Based Materialized View Evolution: A Review", ICCC2014 , ELSEVIER, Procedia Computer Science,. Bhubaneswar, India.
- Anjana Gosain, Sangeeta Sabharwal, Rolly Gupta," Quality Metrics for View Maintenance Models of Data Warehouse" , ERCICA2014, Elsevier, Bangalore, India.
- Anjana Gosain, Sangeeta Sabharwal, Rolly Gupta, "An Efficient Feature Selection Approach for Materialized Views", ICCCCM2013, IEEE, Allahabad, India.
- Anjana Gosain, Sangeeta Sabharwal, Rolly Gupta, "Non Functional Requirement Classification for Service-Oriented Data Warehousing", IJSRP, Volume 3, Issue 7, July 2013 Edition.
- Anjana Gosain, Rolly Gupta "Validating Data Warehouse Quality Metrics Using PCA" published in International Conference ICDEM, LNCS, Volume 6411/2012, 170-172, Tiruchirappalli - India.
- 'Deployment of Mobile IP Handover Mechanism' published in International Conference ICCET2010, jodhpur, India.
- 'Optimization of Energy Using Hierarchical Routing Technique', published in International Conference ICRITO2010, Faridabad, India.
- 'Data Quality Factors in Transactional Systems' published at International Conference at MAIMT, Jagadhri.

- ‘Validating Data Warehouse Quality Metrics Using PCA’ published in International Conference ICDEM2010, LNCS, Tiruchirappalli - India.
- ‘Analysis of DWQM using LR’, published in International Conference ICT2010, Springer, Kerala, India.
- ‘Analysis of Data Warehouse Schema Metrics’ published in National Conference on Emerging Technological Trends (NCETT2010), Bhopal.
- ‘Analysis of Data Warehouse Star Metrics’ published in National Conference on Emerging IT’s (NCEIT’10), Tirunelveli.
- ‘Comparative study of DSMS & DBMS’ published in National Conference on Emerging Trends in Computational Sciences and Engineering (ETCOSE’10), Ghaziabad.
- ‘Analysis of Data Warehouse Schema Metrics’ (Extended Work) published in National Conference on New Advances in Core Computing and their challenges (NACCTC-2010), Jodhpur.
- ‘Validating Table Metrics’ published in National Conference on Emerging Trends in Computational Sciences and Engineering (ETCOSE’10), Ghaziabad.
- ‘Agile Development Process’ published in National Conference on New Advances in Core Computing and their challenges (NACCTC-2010), Jodhpur.
- ‘Analytical and Numerical Methods of solving Fokker-Planck equation’ published in seminar on ‘Current Trends in Mathematics with Special Focus on Operations Research and Computers’, Faizabad.
- ‘Managing Radio Resource Using Cell Planning Approach’ published at ACCT2010, Rohtak, Haryana.
- ‘Analyzing Metrics using Visualization Tool’ published at ACCT2010, Rohtak, Haryana.
- ‘Analysis of Data Warehouse Quality Metrics’ published in National Conference on Information, Networking and Communication Technologies (NCINCT 2010), Pollachi.
- ‘Evaluation of Software Metrics Using Visualization Tool-Cyvis’ published at National Conference on Computing, Communication& IT (CCIT-2010), SLIET, Punjab.
- ‘Managing Cell Planning in WiMAX’ published at CCIT-2010, SLIET, Punjab.
- ‘The Impact of Reward on Employee’s Motivation and Satisfaction (An Empirical Study)’, Published at UJAS, Faizabad.
- ‘Customer Relationship Management: Strategy & Implementation, published at UJAS, Faizabad.
- ‘The precursor of e-CRM in Electronic Services’, published at IJHR, Jaunpur, India

Awards and Achievements

- University 2nd Rank Holder in M.Tech from GGSIPU, 2010.

Workshops/Seminars/FDPs

➢ Attended +45 Workshops/Seminars/FDPs.
➢ Attended seminar on 'TRENDS IN COMPUTER VISION ', Allahabad university, Allahabad, India.
➢ Attended FDP on 'Parallel and Distributed Computing (PDC-20)' MJP Rohilkhand University, Bareilly, U.P., India
➢ Attended FDP on 'Leveraging Technology for Quality Education', BVICAM, Delhi.
➢ Attended workshop on 'Cyber Crime and Information Security', USIT, GGSIPU, Delhi.
➢ Successfully completed training by IBM on 'IBM DB2 9 Technologies'.
➢ Attended workshop on 'Mobile Architecture and Programming for ARM Processors' by IGIT, GGSIPU, Delhi.
➢ Participated in Technotriks20, organized by GGSIPU-ISF.
➢ Attended FDP on 'Data Science' from Graphic era deemed university, Dehradun, Uttarakhand.
➢ Attended FDP on 'Foundation of Cyber security and digital forensics', V R Siddhartha Engineering College, Vijayawada, Andhra Pradesh.
➢ Attended FDP on 'Data Analytics: Tool and techniques' From University of Hyderabad.
➢ Attended FDP on 'Recent Trends in industrial robot programming' from SRM Institute of Science and Technology, Tamil Nadu.

Work Experience:

➢ 4 years of work experience as a Visiting Faculty in Ideal Group of Institutions, Govindpuram, Ghaziabad. (2018-2021)

➢ 1 year of work experience as a Assistant Professor in Teerthanker Mahaveer University, Moradabad. (Aug 2016- July 2017)

➢ 4.5 years of work experience as TRF (Teaching cum Research Fellow) in NSIT, affiliated to Delhi University, New Delhi. (Jan 2012 – June 2016)

➢ 1.6 years of work experience as a Lecturer in Northern India Engg. College (NIEC), affiliated to GGSIPU, Delhi. (June 2010 – Jan 2012)

➢ 1 year of work experience as a Lecturer in Institute of Professional Studies (IPS), affiliated to Punjab Technical University, Jalandhar, India. (Aug 2007 – Aug 2008)

➢ 3 years of work experience as Software Engineer in IndiaBulls Limited, Gurgaon. (Aug 2004-Aug 2007)

Professional Memberships:

➢ ISTE, IAENG, SDIWC, CSTA, IACSIT