

Curriculum Vitae

MS FARHAT ROOHI

Office: Department of Electronics and Instrumentation Technology University of Kashmir, J&K

Home: H No-4 Alnoor Colony, Buchpora, Srinagar

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PROFESSIONAL PREPARATION:

PRESENT POSITION:

Scientist B, Since July 2003, Department of Electronics and Instrumentation Technology University of Kashmir

TEACHING:

- Fuzzy Logic and Neural Networks
- Mathematics I & II

TAUGHT:

- Active Filters
- Advanced Engineering Mathematics

PREVIOUS POSITION:

Lecturer (Contractual) Department of Electronics and Instrumentation Technology University of Kashmir 2000 –2003

Taught Following Subjects to PG Students

- Advanced Engineering Mathematics
- Digital Electronics
- Numerical Techniques
- Micro Processor

OTHER ACTIVITIES:

- Lab Assignments
- Curriculum Development (UGC, Model)
- Guiding Project Work of Students

GUEST FACULTY:

- Geology and Geo Physics
- IGNOU

ACADEMIC PREPARATION:

- **PhD**
- “**Fuzzy System Modelling Using Artificial Neural Networks**” (Pursuing)

Supervisor: Professor G. Mohi Ud Din , Department of Electronics and Instrumentation
University of Kashmir
- **M.Phil.**
-“**Study of High Capacity Associative Memory using Fuzzy Approach**” (2004)

Supervisor: Professor N. A. Shah, Department of Electronics and Instrumentation
University of Kashmir
- **M.Sc**
Department of Electronics and Communication University of Kashmir (1999) Gold Medalist

ORIENTATION/REFRESHER PROGRAMMES/TRAININGS ATTENDED:

- “Three Weeks Refresher Course in Computer Applications (MD)” Organized by UGC Academic Staff College, University of Kashmir, December 26, 2013- January 20, 2014
- UGC Sponsored WORKSHOP on “Capacity Building of Women Managers in Higher Education” Organized by Women Study Centre and Institute of Home Science, University of Kashmir, June 23-27, 2008

RESEARCH PAPERS:

- Fuzzy Clustering Through Neural Network, International Journal of Creative Research Thoughts (IJCRT), Vol. 6, No. 2, April 2018, pp. 823-830 ISSN: 2320-2882, www.ijcrt.org
- Knowledge Management: A Challenge for Higher Education, Asian Journal of Research in Social Sciences and Humanities, Vol. 7, No. 10, Oct 2017, pp.485-495, ISSN: 2249-7315
- “CRM for Competitive Advantage” International Journal of Core Engineering & Management (IJCEM) Vol. 2, Issue 12, March 2016, ISSN 2348 9510
- “Neuro Fuzzy Approach To Data Clustering: A Framework For Analysis” European Scientific Journal, March 2013 edition vol.9, No.9 ISSN: 1857 – 7881 (Print) e - ISSN 1857- 7431
- “Artificial Neural Network Approach to Clustering” The International Journal Of Engineering And Science (Ijes), Volume 2, Issue 3 Pages 33-38 2013 Issn: 2319 – 1813 Isbn: 2319 – 1805.

- *“Development Through Knowledge Management: A Challenge for Higher Education”*, Book Chapter in Higher Education in Changing scenario Challenges and Prospects, Kashmir Book trust, 2009.

SEMINARS/WORKSHOPS/CONFERENCES:

- *“Classification Model: Neural Networks To Deep Convolutional Neural Networks”* 13 JK Science Congress, Organized by University of Kashmir in collaboration with J&K State Science Technology and Innovation Council Govt. of J&K, April 2-4, 2018
- *“Training Deep Neural Networks to Optimize Learning”* UGC Sponsored National Seminar on Electronic Devices, Systems and Information Security (SEEDS-2018) Organized by Dept. of Electronics and Instrumentation Technology University of Kashmir, April 4 2018.
- *“Forecast Modelling: Artificial Neural Network Method”* UGC Sponsored National Seminar on Electronic Devices, Systems and Information Security (SEEDS-2017) Organized by Dept. of Electronics and Instrumentation Technology University of Kashmir, 24-25 March 2017.
- *“K- means Clustering: A New Approach to Determine number of Clusters”* UGC Sponsored National Seminar on Electronic Devices, Systems and Information Security (SEEDS-2016) Organized by Dept. of Electronics and Instrumentation Technology University of Kashmir, 18-19 March 2016.
- *“Fuzzy Learning Model and Artificial Intelligence”* UGC Sponsored National Seminar on Electronic Devices, Systems and Information Security (SEEDS-2015) Organized by Dept. of Electronics and Instrumentation Technology University of Kashmir, 16-17 March 2015.
- *“Liner Programming Through Neural Network: An Approach to Optimization” International Conference on “Operations Research for Data Analytics and Decision Analysis”* Organized by Dept. of Statistics, University of Kashmir Srinagar, J&K in Conjunction with 46th Annual Convention of Operations Research Society of India (ORSI), October 19-23, 2013
- *International Workshop on “Optimization Techniques & Softwares”* Organized by Dept. of Statistics, University of Kashmir Srinagar, J&K in Conjunction with 46th Annual Convention of Operations Research Society of India (ORSI), October 19-23, 2013
- *One Day National Seminar on Muslim Contribution to Science and Technology* Organized by the Department of Islamic Studies, Islamic University of Science and Technology, Awantipora, Kashmir, May 3, 2012

- *“Privatization of Higher Education and Social” Regional Conference-2010- Higher Education and Social Change (The J&K Context) Issues-Interventions-Intent* Organized by Government College for Women M A Road Srinagar Sponsored by ICSSR Chandigarh, March 25, 2010.
- *“Strategic Perspective of Declining Trend in Science Education” National Conference on Science Education: Challenges, Present Status and Future Prospects* Sponsored by UGC Organized by Govt. Degree College Bemina, March 5, 2012.
- Workshop on *“Capacity Building Of Women Managers in Higher Education”* Organized by Women’s Study Centre and Institute of Home Science University of Kashmir Sponsored by UGC, 23-27 June, 2008
- Sixth JK Science Congress, 2010 (Attended)
- *“Knowledge Management: A Challenge For Higher Education”*, Three day National Convention on Knowledge Resources in India with Special Reference to Jammu and Kashmir, Organized by Allama Iqbal Library, University of Kashmir, May 11-13, 2009.
- *“Fuzzy Approach to Data Clustering”*, Fourth JK Science Congress, 12-14 Nov. 2008
- *“Fuzzy Modeling of Supply Chain Management (SCM): Issues and Imperatives”*, Fourth JK Science Congress, 12-14 Nov. 2008
- *“Fuzzy Clustering For Market Segmentation”*, Fourth JK Science Congress, 12-14 Nov. 2008
- *“The Asset of Knowledge Through Data Mining”*, Fourth JK Science Congress, 12-14 Nov. 2008
- *“Customer Relationship Management (CRM): Leveraging Through Technology”*, Fourth JK Science Congress, 12-14 Nov. 2008
- *“Knowledge Management: Approach to Development”*, Fourth JK Science Congress, 12-14 Nov. 2008