

RESUME

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5. Institution: Trinity College, Jalandhar, Punjab

6. Academic Qualification: Ph.D, M.Phil,NET, M.Sc.

7. Work Experience (in chronological order): 22.8 years

- St. Soilder College, Jalandhar –2002-2003
- Trinity College Jalandhar since 7 July 2003 till date.

8. Professional Recognition/Award/Prize/Certificate, Fellowship:

- Best Teacher Award by C.T. Group of Institutions.
- Member Board of Studies of Faculty of Sciences in Guru Nanak Dev University, Amritsar
- Academic Council Member of Guru Nanak Dev University, Amritsar

9. Peer Reviewed Publications:

- Fast and Effective Method for the Detection of Brain Tumor using Chebyshev Harmonic Fourier Moments. E-ISSN 2347-2693, Vol. -6, Issue-10, Oct-2018.
- Magnetic Resonance Brain Image Segmentation and Detection of Tumor in Medical, ISSN 2455-4847, pp 125-131.
- An Effective Method for early Diagnosis of Alzheimer Disease using Angular Radial Transform and Orthogonal Fourier Mellin Moments E-ISSN 2347-2693, Volume-05, Issue-10.
- Fast computation of Chebyshev-Harmonic Fourier Moments, Lecture Notes on Information Theory, Vol.-03, No. 02, December 2015.
- Detection of Alzheimer Disease Using Zernike Moments, ISSN 2229-5518, Vol. – 8, Issue 1.
- Fast and Efficient Method for the Diagnosis of Brain Tumor based on CHFMs on Segmented Magnetic Resonance Brain Images, ISSN 2347-8616, Vol. 7, Issue 3.
- Analysis of Various Medical Image Segmentation Techniques, ISSN 2347-8527, Vol. 07, Issue 04.

10. Books/Reports/Chapters/General Articles etc.:

Books Published:

- A text book on “Numerical Methods and Statistical Techniques” with Sharma Publications, Jalandhar, Punjab
- An edited book titled “National Education Policy 2020: Concerns and Challenges”, Media House Publications New Delhi, 2022.

Chapters Published

- Technology in Education and National Educational Technology Forum in the book titled “National Education Policy 2020: Concerns and Challenges”, Media House Publications New Delhi, 2022.

Papers published in Conference Proceedings

- Analysis of various Medical Image Segmentation Techniques, International Conference on Emerging Trends in Science & Technology 2018, ISBN: 978-93-87433-20-5.
- Orthogonal Radial Moments, Transforms and Their Applications, ICTMS-15.
- Fast and Efficient Method for the Diagnosis of Brain Tumor based on CHFMs on Segmented MR Brain Images, ICRTESM-2018, ISBN:978-93-87433-14-4.
- Proximity Capacitive Sensor Technology for Touch Sensing Applications in National Conference held at B.D. Arya Girls College, Jalandhar Cantt., ISBN No. 9788192270975.
- Recent Trends in Algebra and Analysis, National conference held at DAV College, Jalandhar, ISBN No. 9788192270937.

Research Studies Undertaken

- Medical Image Analysis using Moments and Transforms in Alzheimer Disease and Brain Tumor for the degree of Ph.D. under the guidance of Dr. Rahul Upneja and Dr. S.S Billing, SGGSWU, Fatehgarh Sahib, Punjab.

Any other information:

- Presented 16 papers in various International and National conferences.
- Invited as Chairperson in various institutions for National and International level conferences.