

CURRICULUM VITAE

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➤ **EDUCATIONAL PROFILE**

Ph.D CVRU, Bilaspur (Viva Awaited)

M.E. C.S.V.T.U., Bhilai, 2013

B.E. G.G.V., Bilaspur, 2010

➤ **TITLE OF PHD THESIS:** Identification of Diabetic Retinopathy Stages using modified DWT and Artificial Neural Network.

➤ **TEACHING EXPERIENCE:** 04 year

➤ **RESEARCH INTEREST:** Digital Image Processing, Watermarking, Wavelet, Artificial Neural Network.

➤ **ACHIEVEMENTS:**

- UGC-NET 2013 exam qualified in Electronic science with 264 marks (**75.43%**).
- Gate 2013 exam qualified in Electronics & telecommunication with 327 marks.

➤ **PUBLICATION IN NATIONAL/ INTERNATIONAL JOURNALS:**

- Nikita Kashyap and G. R. Sinha. (2012), "Image Watermarking Using 2-Level DWT", Advances in Computational Research, Vol. 4, No.1, pp. 42-45.
- Nikita Kashyap and G. R. Sinha. (2012), "Image Watermarking Using 3-Level DWT", I. J. Modern Education and Computer Science, Vol. 3, pp. 50-56.
- Nikita Kashyap and G. R. Sinha. (2013), "Robust Image Watermarking scheme based on LSB Replacement", National conference in advance in computing, pp. 45-50.
- Nikita Kashyap, A. Ahmad, G.R. Sinha. (2014), "3-Level DWT Image Watermarking Against Frequency & Geometrical Attacks", I.J. Computer Network & Information Security.
- Nikita Kashyap, Dr. Dharmendra Kumar Singh and Dr. Girish Kumar Singh. (2019), "Review of Digital image processing techniques for detection of diabetic retinopathy". International Journal of Emerging Technologies and Innovative Research. Vol. 6, Issue 3, 559-563.
- Nikita Kashyap, Dr. Dharmendra Kumar Singh and Dr. Girish Kumar Singh. (2019), "A Novel Approach for Detecting and Grading Diabetic Retinopathy using Wavelet Transform and Artificial Neural Network". International Journal of Research in Electronics and Computer Engineering, IJRECE. Vol. 7, Issue 2, 100-104.
- Nikita Kashyap, Dr. Dharmendra Kumar Singh and Dr. Girish Kumar Singh. (2019), "Comparison of Different Diabetic Retinopathy Detection Algorithms with a Proposed One Using Neural Network and DWT". International journal of Engineering development and research(IJEDR) . Vol. 7, Issue 3, pp. 298-304.

- Nikita Kashyap and Dr. Dharmendra Kumar Singh. (2017), “Color Histogram Based Image Retrieval Technique for Diabetic Retinopathy Detection”. 2nd International Conference for Convergence in Technology (I2CT). 799-802, DOI: 10.1109/I2CT.2017.8226238.
- Nikita Kashyap, Dr. Dharmendra Kumar Singh and Dr. Girish Kumar Singh. (2017), “Mobile Phone Based Diabetic Retinopathy Detection System Using ANN-DWT”. 4th IEEE UPCON Conference on Electrical, Computer and Electronics, Mathura, India. 463-467, DOI: 10.1109/UPCON.2017.8251092.
- Nikita Kashyap, Dr. Dharmendra Kumar Singh and Dr. Girish Kumar Singh. (2019), “Develop a Novel Screening Tool Based on Wavelet Transform for Identification of Diabetic Retinopathy”. Anusandhan (AUJ-AN), Vol 9, issue 17, pp.41-46.

➤ **Book Chapters Published:**

- **Name of the Book:** Engineering Vibration, Communication and Information Processing ISBN: 978-981-13-1641-8. 2019.
Name of the Book Chapter: Color Histogram- and Smartphone-Based Diabetic Retinopathy Detection System
Authors: Nikita Kashyap, Dr. Dharmendra Kumar Singh and Dr. Girish Kumar Singh
Publisher: Springer, Singapore.
- **Name of the Book:** Diabetes and Fundus OCT. (Reference: B978-0-12-817440-1.00004-8)
Name of the Book Chapter: Mobile Phone Based Diabetic Retinopathy Detection System.
Authors: Nikita Kashyap, Dr. Dharmendra Kumar Singh and Dr. Girish Kumar Singh
Publisher: Elsevier publisher. (Accepted)

➤ **Conference/Winter School:**

- Participated the IEEE Sponsored 2nd International conference for convergence of technology (I2CT), 4th IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics (UPCON), and Springer Sponsored international conference on Engineering vibration, communication and information processing
- Participated the national conference in innovation in science engineering & technology (NCISET 2019) and in Advances in Computational (NCAC 2012) at North Maharashtra University, Jalgaon.
- Attended Winter School in Digital Image Processing (WISDIP 2011) in NIT Rourkela during 13 to 18 December 2011