

Dr. Neha Mittal (Electronics and Communication Engg.)

Soft Skills: Management skills, leadership quality, Communication skills and Strong Work Ethics

Specialization

M.Tech: Digital Communication

Ph.D: Digital Image Processing, Biometrics

Area of Interest: ML, Digital Image Processing, Biometrics

Research

Technology Development:

Technology Transfer:

Participated - In Specialized Training / Certified Courses:

1. Coursera: Programming for Everybody (Getting Started with Python). (27-June-2020)
2. Coursera: Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization. (22-June-2020)
3. Coursera: Neural Networks and Deep Learning. (29-May-2020)
4. Scored **87%**(Elite score) marks in NPTEL online certification course "Introduction to Remote Sensing", (Jan-Feb 2019).
5. Scored **81%**(Elite score) marks in NPTEL online certification course "Digital Image Processing", (Jul-Oct 2018).
6. Scored **68%**(Elite score) in NPTEL online certification course "Principal of Signals and Sytem", (Jan-Apr 2018).
7. Scored **67%**(Elite score) in NPTEL online certification course "Remote Sensing in Image Processing", (Oct 2017).
8. Scored **86%** (Elite score) in NPTEL online certification course "Medical Image Analysis", (Feb-Mar 2017).

Publication - Books / Chapters / Papers / Articles / Blogs •

Journal :

1. Madasu Hanmandlu, Neha Mittal, and Ritu Vijay, "A Robust Finger Knuckle Print Authentication using Topothesy and Fractal Dimension", Defence Science Journal, Vol. 67, No. 1, January 2017, pp. 66-73, DOI : 10.14429/dsj.67.9003. [*SCI indexed*]
2. Madasu Hanmandlu, Neha Mittal, Ankit Gureja, Ritu Vijay, "A Comprehensive Study of Palm print based Authentication", International Journal of Computer Applications (0975 - 8887), Volume 37-No.2, pp.18-23, January 2012.
3. Neha Mittal, Madasu Hanmandlu, Jyotsana Grover, Ritu Vijay, "Rank Level fusion of multispectral Palm print", International Journal of Computer Applications (0975 - 8887), Volume 38-No.2, pp.33-37 January 2012.

Conferences:

1. Neha Mittal, M. Hanmandlu and S. Vasikarla, " An Authentication System based on Hybrid Fusion of Finger-Shapes & Geometry", Proceedings of the 47th IEEE Applied Imagery Pattern Recognition Workshop, 2018.
2. Neha Mittal, Madasu Hanmandlu, Ritu Vijay, "Hand Geometry based Personal Authentication System", I2CT-2014, 6-8 Apr 2014 Pune, India.
3. Neha Mittal, Madasu Hanmandlu, Ritu Vijay, "A Finger Knuckle print authentication system based on Daisy Descriptor", 12th International Conference on Intelligent Systems Design and Applications (ISDA 2012), IEEE Systems, Man and Cybernetics Society, 27-29 November 2012 Cochin (Kochi), India

4. Madasu Hanmandlu, Ritu Vijay, Neha Mittal, "A Study of Some New Features for Palmprint Authentication", Proceedings of the World Congress on Engineering 2011, WCE 2011, 6-8 July, 2011, London, U.K., pp 1623-1628.
5. M. Hanmandlu, H.M. Gupta, Neha Mittal, S. Vasikarla, "An Authentication System Based on Palmprint", in Proc. ITNG, IEEE Computer Society, 2009, pp.399-404.
6. Akansha Chauhan, Neha Mittal, Vidisha Garg, "Effective Performance Management System for Enhancing Growth", International conference on Business and Technology, 04-05 November 2011.
7. Neha Mittal, Prabhakar, Manish, Ashish, Mukul, "An Authentication System based on Ear", National Conference on Future Innovations & Research In Science & Technology-2017, 22-23 April, 2017, IIMT Engineering College, Meerut.
8. Neha Mittal, Ruchi Gupta, "Hybrid of Score and Feature Level Fusion on Multispectral Palmprint Authentication", National conference on recent trends in communication system and devices, (NCRTCD-2012), 1-2 Sep 2012, at RGGI, Meerut.
9. Ruchi Gupta, Neha Mittal, "Low Power Estimation Algorithms used in VLSI wireless Devices", Proceedings of National conference on Engineering Technology in VLSI (NCET VLSI-2011), 18th Sep, 2011 at MIET, Meerut.

Book Chapter

1. Madasu Hanmandlu, Neha Mittal, Ritu Vijay, "A Palmprint Recognition System Based on Spatial Features", Book chapter in Electrical Engineering & Intelligence system, Springer.

Any other information

Award

1. **Certificate of Merit Award** from World Congress of Engineers 2011, **London, UK** for the paper "A study of Some New Features for Palm print Authentication".

Memberships of professional Bodies/ National /International Committees

1. Life time senior membership of Institute of communication engineers and information technologists (ICEIT) membership No is SM1100212L
2. International Association Of Engineers (IAENG) -Member No: 113929
3. Member of TC on soft computing, IEEE SMCS (System, Man and Cybernetics Society).