

## RESUME

Name : Dr. Vikas Mittal

Date of Birth : Dec 28, 1970

Highest Qualifications : Ph.D. (NIT Kurukshetra)

Present Status : Associate Professor,  
ECE Department, NIT  
Kurukshetra, India since 2009

Total Teaching Experience : 28 years

Professional Membership : ISTE LM 72661

PhD Guided : 01

PhDs Ongoing : 05

MTech Dissertations : 15

Number of Publications  
(Journals and Conferences) : 50+

Sponsored Research Project : 01 worth 21.39 lakhs

Patents Granted : 03

Expert Lectures : 22+

Conferences/Seminars  
/Workshops/FDPs organized : 12

Citations : ~900 till date



### **SPONSORED RESEARCH PROJECT**

S. No.	Name of scheme and Principal Investigator	Amount sanctioned	Sponsoring Agency	Duration	Topic	Status
1.	CARS, DRDO PI: Dr. Vikas Mittal Co-PI: Dr. Monika Mittal	21.39 lacs	TBRL Chandigarh, DRDO, GOI	2 years Granted on 29.9.17	Data Fusion Algorithms for Vehicle Detection and Classification System	Submitted final report

## PATENTS GRANTED

Sr. No.	Patent Title	Status
		Applied/ Granted
1.	Reduction of Harmonics in Three Phase Induction Motor using Harmonic Injection Method	Granted
2.	A novel wavelet-based multiresolution method with optimization techniques for process control and disturbance rejection	Granted
3.	A memory based brain computer interface (BCI) system for monitoring physiological signals of brain	Granted

## COLLABORATION WITH INDUSTRY

Development of a MATLAB toolbox for unified system analysis framework that is computationally efficient and can handle different types of complexities single-handedly with Mathworks Inc.

## LIST OF PUBLICATIONS (NATIONAL/INTERNATIONAL JOURNALS)

1. N. Gupta and **V. Mittal**, "Polarimetric SAR Image Classification using Multifeature Combination and Extremely Randomized Clustering Forests with K-Nearest Neighbor (KERCF)", Journal SGI Reflections, vol 2, issue 2, pp. 53, Dec. 2011.
2. A. Soor and **V. Mittal**, "An improved method for robust and efficient clustering using EM algorithm with Gaussian kernel", Int. J. of Database Theory and Application, vol. 7, no. 3, pp. 191-200, 2014
3. **V. Mittal**, D. Singh and L. M. Saini, "A Critical Analysis of EM Based Fusion of Different Polarization Data for Effect on Land Cover Classification", Advances in Space Research, Elsevier, vol. 56, no. 6, pp. 1094-1105, 2015. (SCI)
4. R. Sain, **V. Mittal** and V. Gupta, "Variational bayesian inference based image in-painting using gamma distribution prior", International Journal of Signal Processing, Image Processing and Pattern Recognition, vol. 8, no. 12, pp. 207-216, 2015
5. **V. Mittal**, D. Singh, and L. M. Saini, "Critical Analysis of Classification Techniques for Polarimetric Synthetic Aperture Radar Data," International Journal of Advances in Intelligent Informatics, vol. 2, pp. 10-20, 2016 (SCOPUS)
6. P. Kumar and **V. Mittal**, "Digital Video Sewing and Stabilization by using the Bezier Curve and Optimization", International Journal of Research in Electronics and Computer Engineering (IJRECE), vol. 6, issue 3, pp. 209-214, 2018
7. P. Kumar and **V. Mittal**, "Edge detection by using the Block Based Segmentation", International Journal of Research in Electronics and Computer Engineering (IJRECE), vol. 6, issue 3, pp. 222-226, 2018
8. **V. Mittal** and M. Mittal, "Haar Wavelet Based Numerical Approach for Computing System Response to Arbitrary Excitations", Journal of Advanced Research in Dynamical & Control Systems, Issue 09, 2018, pp. 2433-2439 (SCOPUS)
9. M. Mittal and **V. Mittal**, "Analysis of Analytically Intractable Complex MIMO Dynamical Systems using Haar Transform Algorithm", Journal of Advanced Research in Dynamical & Control Systems, Issue 09, 2018, pp. 2452-2460 (SCOPUS)
10. A. Kumar and **V. Mittal**, "A Hybrid Feature Extraction Technique for Continuous Hindi Speech Recognition using Neural Network Controller", Journal of Advanced

Research in Dynamical & Control system, vol. 10, Issue 9, pp. 694-699, 2018  
(SCOPUS)

11. A. Kumar and V. Mittal, "Speech Recognition: A Complete Perspective", International Journal of Recent Technology and Engineering, vol. 7, no. 6C, pp. 78-83, April 2019 (SCOPUS)
12. M. Gupta, V. Mittal, J. Saxena et al., "Miniaturized Microstrip Patch Antenna Array for ISM Band Using Complementary Split Ring Resonator," Wireless Personal Communications, 109 (4), pp. 2251–2262 (2019). <https://doi.org/10.1007/s11277-019-06679-2> (SCIE)
13. A. Kumar and V. Mittal, "Design, Implementation and Evaluation of Hindi Speech Recognition system in Clean Environment," Journal of solid-state Technology, vol. 63, no. 6, 2020 (SCOPUS)
14. V. Gupta, M. Mittal and V. Mittal, "R-peak Detection Using Chaos Analysis in Standard and Real Time ECG Databases," IRBM. Volume 40, Issue 6, Pages 341-354, 2019. (SCIE)
15. D. Jaiswal, M. Mittal, and V. Mittal, "A Review on the Impact of Various Factors on a Solar PV System's Efficiency," Journal of Green Engineering, 2020. (Accepted) (SCOPUS)
16. V. Gupta, M. Mittal and V. Mittal, "R-peak detection based chaos analysis of ECG signal," Analog Integrated Circuits and Signal Processing, vol. 102, 479–490 (2020). <https://doi.org/10.1007/s10470-019-01556-1> (SCI)
17. V. Gupta, M. Mittal and V. Mittal, "Performance Evaluation of Various Pre-Processing Techniques for R-Peak Detection in ECG Signal," IETE Journal of Research. <https://doi.org/10.1080/03772063.2020.1756473>, 2020 (SCIE)
18. V. Gupta, M. Mittal and V. Mittal, "Chaos theory: An Emerging tool for Arrhythmia Detection," Sensing and Imaging, Vol. 21, pp. 1-22, 2020 (SCOPUS)
19. V. Gupta, M. Mittal, V. Mittal and Anshu Gupta "An efficient AR modeling-based Electrocardiogram signal analysis for Health Informatics," International Journal of Medical Engineering and Informatics, Vol 14, No. 1, pp. 74-89, Nov. 2021 (SCOPUS)
20. M. Rana and V. Mittal, "Wearable Sensors for Real-Time Kinematics Analysis in Sports: A Review," in IEEE Sensors Journal, vol. 21, no. 2, pp. 1187-1207, Jan.15, 2021, doi: 10.1109/JSEN.2020.3019016. (SCIE)
21. A. Kumar and V. Mittal, "Hindi speech recognition in noisy environment using hybrid technique", International Journal of Information Technology, vol 13, no. 2, pp. 483–492, April 2021, <https://doi.org/10.1007/s41870-020-00586-7> (SCOPUS)
22. V. Gupta, M. Mittal and V. Mittal, "An Efficient Low Computational Cost Method of R-Peak Detection," Wireless Personal Communications 118, 359–381 (2021). <https://doi.org/10.1007/s11277-020-08017-3> (SCIE)
23. V. Gupta, M. Mittal and V. Mittal, "ECG Signal Analysis using CWT, Spectrogram and Autoregressive technique," Iran Journal of Computer Science, vol. 4, pp. 265-280, <https://doi.org/10.1007/s42044-021-00080-8>, 2021 (Springer)
24. V. Gupta, M. Mittal and V. Mittal, "Chaos theory and ARTFA: Emerging tools for interpreting ECG signals to diagnose cardiac arrhythmias," Wireless Personal Communications, Vol.118, No.4, 3615-3646, 2021. (SCIE)
25. V. Gupta, M. Mittal, V. Mittal and N. K. Saxena, "BP Signal Analysis Using Emerging Techniques and its Validation Using ECG Signal," Sensing and Imaging, Vol.22, No.1, pp.1-22, 2021. (SCOPUS)
26. V. Gupta, M. Mittal, V. Mittal and N. K. Saxena, "A Critical Review of Feature Extraction Techniques for ECG Signal Analysis," Journal of The Institution of Engineers (India): Series B. 102, 1049–1060 (2021). <https://doi.org/10.1007/s40031-021-00606-5>, 2021. (SCOPUS)

27. V. Gupta, M. Mittal, **V. Mittal**, A. K. Sharma and N. K. Saxena, “A novel feature extraction-based ECG signal analysis,” Journal of The Institution of Engineers (India): Series B. 102, 903–913 (2021). <https://doi.org/10.1007/s40031-021-00591-9>, 2021. (SCOPUS)
28. V. Gupta, M. Mittal, **V. Mittal** and Y. Chaturvedi, “Detection of R-peaks using fractional Fourier transform and principal component analysis”, Journal of Ambient Intelligence and Humanized Computing (2021). <https://doi.org/10.1007/s12652-021-03484-3> (SCIE)
29. V. Gupta, M. Mittal and **V. Mittal**, “FrWT-PPCA-Based R-peak Detection for Improved Management of Healthcare System,” IETE Journal of Research, DOI: 10.1080/03772063.2021.1982412, 2021 (SCIE)
30. A. Kanungo, M. Mittal, L. Dewan, **V. Mittal** and V. Gupta, “Speed control of DC motor with MRPID controller in the presence of noise”, pp. 1-15 Wireless personnel communication <https://doi.org/10.1007/s11277-021-09388-x> (SCI)
31. V. Gupta, M. Mittal, **V. Mittal**, “A Novel FrWT Based Arrhythmia Detection in ECG Signal Using YWARA and PCA,” Wireless Pers Commun (2021), pp. 1-18. <https://doi.org/10.1007/s11277-021-09403-1>

#### LIST OF PUBLICATIONS (NATIONAL/INTERNATIONAL CONFERENCES)

1. M. Mittal and **V. Mittal**, “Mathematical Principles: A Basis for Simulation Software” at two days National Seminar on “Role of Mathematics on the Forthcoming Developments in Computer Science” held at S.D. College, Muzaffarnagar during 29-30 Nov. 2005.
2. M. Mittal and **V. Mittal**, “Fourier Transforms & Wavelets: A Comparison”, National Seminar on Some Aspects of Recent Trends in Engineering & Technology, Punjab College of Engg. & Technology, Lalru, 28 April 2007
3. S. Kumar and **V. Mittal**, “Features’ Extraction from Hurricane’s Remotely Sensed Images using Wavelets”, National Level Technical Symposium on Emerging Trends and Technologies, COMMUNE 2009, 16 April 2009, ECE Deptt., N.I.T. Kurukshetra.
4. **V. Mittal**, D. Singh, and L. M. Saini, “A Review of Pattern Recognition Techniques for Information Extraction in Satellite Images ”, National Seminar on Radar Remote Sensing and its Applications, 25-26th Sept. 2009, I.I.T Roorkee, pp. 18.
5. **V. Mittal**, D. Singh, and L. M. Saini, “Landcover classification using EM algorithm based multi-polarized ALOS PALSAR image fusion”, IEEE Int. Conf. on Microwaves and Photonics (ICMAP 2013), Indian school of mines (ISM), Dhanbad, Jharkhand, Dec. 13-15, 2013, pp. 1 – 5.
6. **V. Mittal**, D. Singh, and L. M. Saini, “A Comparison of Supervised Classifiers on EM Fused data for various land covers”, National Seminar on Advancement of Radar Imaging and its Applications, Jan. 21, 2014, I.I.T Roorkee.
7. A. Soor and **V. Mittal**, “A Perspective on Finite Mixture Model”, National Conference on VLSI, Signal Processing and Communication Engineering, N.I.T Hamirpur, 2014.
8. **V. Mittal**, D. Singh, and L. M. Saini, “A Comparative Analysis of Supervised Land Cover Classification using Multi-Polarized PALSAR EM Image Fusion”, IEEE Int. Conf. on Industrial and Information Systems (ICIIS2014), IITM Gwalior, Dec. 15-17, 2014, pp. 1 – 5.
9. **V. Mittal**, D. Singh, and L. M. Saini, “A Study of PDF Based Approach to Classify Full Polarimetric Radar Data”, presented at National Conference on Recent Advances in Electronics and Computer Engineering (RAECE – 2015) at IIT Roorkee, Feb. 13-15, 2015. DOI: [10.1109/RAECE.2015.7510215](https://doi.org/10.1109/RAECE.2015.7510215)

10. R. Sain, **V. Mittal** and V. Gupta, "A Comprehensive Review on Recent Advances in Variational Bayesian Inference", IEEE International Conference on Advances in Computer Engineering and Applications – 2015 (ICACEA-2015), IMS Engg. College, Ghaziabad, March 19-20, pp. 488-492, 2015
11. G. B. Krishna and **V. Mittal**, "A Survey on Unsupervised Classification and Automated Labelling of SAR Images," 1<sup>st</sup> International Conference on New Frontiers in Engineering, Science and Technology (NFEST 2018) at DTU, New Delhi from Jan 8-12, 2018 (**SCOPUS**)
12. A. Kumar and **V. Mittal**, "Automatic Isolated Hindi Words Recognition Using Neural Networks", National Conference on Advances in Power, Control and Communication Systems (NCAPCCS-2018), at ECED, NIT Kurukshetra from April 21-22, 2018
13. A. Deep, M. Mittal and **V. Mittal**, "Position estimation of an object using Kalman filter algorithm based on GPS system", National Conference on Advances in Power, Control and Communication Systems (NCAPCCS-2018), at ECED, NIT Kurukshetra from April 21-22, 2018
14. G. B. Krishna and **V. Mittal**, "Land Cover Classification of Full Polarimetric PALSAR Images Using Decision Tree Based on Intensity and Texture Statistical Features", IEEE International Conference on Recent Innovations in Electrical, Electronics & Communication Engineering (ICRIEECE) at School of Electrical Engineering, Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar, India from July 27-28, 2018
15. A. Deep, M. Mittal and **V. Mittal**, "Application of Kalman Filter in GPS Position Estimation", IEEE 8th Power India International Conference (PIICON 2018), at ECED, NIT Kurukshetra from Dec. 10-12, 2018
16. A. Kumar and **V. Mittal**, "Speech Recognition: A Complete Perspective", International Conference on Future Computing and Communication Technology (ICFCCT-18), December 22, 2018 (**SCOPUS**)
17. A. Kumar and **V. Mittal**, "A Critical analysis of different features for Hindi ASR using ANN," 3rd International Conference on Modern Mathematical Methods and High-Performance Computing in Science & Technology (M3HPCST-2020), IPEC Ghaziabad, India, January 9-11, 2020.
18. M. Rana and **V. Mittal**, "Design and Development of Wearable Sensor System using MQTT Protocol for Real Time Kinematics Analysis," Global Conference for Advancement in Technology (GCAT), 2019, pp. 1-6, [doi: 10.1109/GCAT47503.2019.8978309](https://doi.org/10.1109/GCAT47503.2019.8978309)
19. R. Venkatesh, **V. Mittal** and H. Tammana, "Indoor Localization in BLE using Mean and Median Filtered RSSI Values," 5th International Conference on Trends in Electronics and Informatics (ICOEI), 2021, pp. 227-234, [doi: 10.1109/ICOEI51242.2021.9453000](https://doi.org/10.1109/ICOEI51242.2021.9453000).
20. V. Gupta, M. Mittal, **V. Mittal** and N. K. Saxena, "Spectrogram as an Emerging Tool in ECG Signal Processing," Recent Advances in Manufacturing, Automation, Design and Energy Technologies (ICoFT 2020), NIT Puducherry, [https://doi.org/10.1007/978-981-16-4222-7\\_47](https://doi.org/10.1007/978-981-16-4222-7_47)
21. N. R. Srivastava and **V. Mittal** (2021), "A Review on Hardware Implementations of Signal Processing Algorithms". National Conference on Renewable Energy and Sustainable Environment (NCRESE 2020) organized by School of Renewable Energy and Efficiency, NIT Kurukshetra, in association with Bureau of Energy Efficiency, Government of India (GOI); Department of New and Renewable Energy, Haryana; and Haryana Renewable Energy Development Agency, Panchkula during 28-29 Aug. 2020

## BOOKS/BOOK CHAPTERS/MONOGRAPH

1. Lecture module on “Digital Signal Processing and System Design” for MHRD Sponsored Research Project “e-Based Technical Teachers’ Orientation Programme” in 2007
2. Mission 10X e-course on “System Stability” in May 2011
3. Mission 10X e-course on “System Damping” in May 2011
4. Reference Handbook on Power, Control and Communication Systems: Recent Headways edited by **V. Mittal**, Lillie Dewan, Monika Mittal, Shelly Vadhera and Rajender Kumar, Elixir Publication, 2018, ISBN: 978-81-933897-2-0
5. Book review titled Network Analysis by M. E. Vanvalkenberg, Revised 3<sup>rd</sup> edition contributed by T. S. Rathore, Pearson India, ISBN 978-93-534-3312-3, 2019
6. Varun Gupta, M. Mittal, **V. Mittal**, Nitin Kumar Saxena, Yatender Chaturvedi, “Nonlinear Technique-Based ECG Signal Analysis for Improved Healthcare Systems, 2021. <https://link.springer.com/book/10.1007/978-981-16-3246-4>
7. M. Gupta, N. Marriwala, **V. Mittal**, K. Singh, P. Singla and S. Sharma (2021) Conformal Patch Antenna Array for ISM Band. In: Marriwala N., Tripathi C.C., Jain S., Mathapathi S. (eds) Soft Computing for Intelligent Systems. Algorithms for Intelligent Systems. Springer, Singapore. [https://doi.org/10.1007/978-981-16-1048-6\\_39](https://doi.org/10.1007/978-981-16-1048-6_39)
8. N. R. Srivastava and **V. Mittal** (2021), “A Review on Hardware Implementations of Signal Processing Algorithms”. Latest Trends in Renewable Energy Technologies. Lecture Notes in Electrical Engineering, Vol 760. Springer, Singapore, pp. 295-302.
9. D. Jaiswal, M. Mittal, and **V. Mittal**, "A Review on Solar PV Cell and Its Evolution," in Latest Trends in Renewable Energy Technologies, Singapore, S. Vadhera, B. S. Umre, and A. Kalam, Eds., 2021: Springer Singapore, pp. 303-313.
10. Neelesh Srivastava & Vikas Mittal (2021), “Applications of GPUs for Signal Processing Algorithms: A Case Study on Design Choices for Cyber-Physical Systems”. In: **Singh**, K.K., **Nayyar**, A., **Tanwar**, S., **Abouhawwash**, M. (Eds.) Emergence of Cyber Physical System and IoT in Smart Automation and Robotics, Springer, Switzerland AG, pp. 147-159. DOI [https://doi.org/10.1007/978-3-030-66222-6\\_10](https://doi.org/10.1007/978-3-030-66222-6_10)

## EXPERT LECTURES

1. Two hours expert lecture on “**Development of Teaching Methodology in Electronics Engineering**”, during the programme organized by Director, Technical Education, Haryana at Parakeet Tourist Complex, Pipli in Feb 2009
2. Two hours expert lecture on “**Wavelet Applications in DSP**” during winter school on Recent Trends in Communication systems in March 9-22, 2009
3. Two hours expert lecture on “**MATLAB Handle Graphics**” during STC on MATLAB Programming for Engineers at NIT Kurukshetra on 11-15 Dec. 2013
4. Two hours expert lecture on “**MATLAB File I/O Functions**” during STC on MATLAB Programming for Engineers at NIT Kurukshetra on 11-15 Dec. 2013
5. Two hours expert lecture on “**Expectation Maximization Iterative Optimization Algorithm: Modeling and Simulation**” at ECE Deptt., NIT Kurukshetra on 26.9.2015
6. Two hours expert lecture on “**Satellite Imaging and Applications**” at ECE Deptt., UIET, KUK in 07.03.2017



7. Chaired technical session in National Conference on Recent Advances in Mechanical Engineering (NCRAME 2017) organized by Department of Mechanical Engineering, NIT Kurukshetra on June 2-3, 2017
8. Two hours expert lecture on “**Wavelet theory and applications**” in STC on “Signal Processing in Power System Protection & Control (S3PC-2017)” organized jointly by Electrical Engineering & Electronics and Communication Engineering Departments, NIT Kurukshetra from 17-22<sup>th</sup> July 2017
9. Two hours expert lecture on “**Spotlight on Mechanism for Industry Academia Collaboration**” in STC on “Trends and challenges in Industry academia collaborations (TCIAC-2018)” organized by Electronics and Communication Engineering Department, NIT Kurukshetra from Jan. 8-12, 2018
10. Keynote address on “**Methodologies in Industry and Academia Collaboration**” in STC on “Trends and challenges in Industry academia collaborations (TCIAC-2018)” organized by Electronics and Communication Engineering Department, NIT Kurukshetra from Jan. 8-12, 2018
11. Two hours expert lecture on “**An Applied Approach for Research Methodology**” in one week workshop on “Research Methodology: An Applied Orientation (RMAO-2018)” organized by Electronics and Communication Engineering Department, NIT Kurukshetra from March 12-16, 2018
12. Two hours expert lecture on “**Endnote: Introduction and Usage**” in one week workshop on “Research Methodology: An Applied Orientation (RMAO-2018)” organized by Electronics and Communication Engineering Department, NIT Kurukshetra from March 12-16, 2018
13. Chaired technical session in National Conference on Advances in Power, Control and Communication Systems (NCAPCCS 2018) organized by Department of Electronics and Communication Engineering, NIT Kurukshetra on April 21-22, 2018
14. Two hours expert lecture on “**Synthetic Aperture Radar Imaging: Genesis and Trends**” in Faculty Development Workshop on “Next Generation Nano Satellite Communication Systems” scheduled from 07-11 May 2018 at Department of Electronics Engineering, JSS Academy of Technical Education, Noida on 11.5.2018. This has been organized jointly by the JSS Academy of Technical Education, Noida and Dr. A.P.J. Abdul Kalam Technical University, Lucknow.
15. Two hours Keynote Address and Guest of Honor on “**5G: Applications, Issues and Challenges**” at inaugural function of one week TEQIP-III sponsored STC on Analysis and Optimization of 5G Wireless Communication Networks organized by ECE Deptt. from Sept. 17-21, 2018, UIET, KUK on 17.09.2018
16. Two hours expert lecture on “**Introduction to Control Systems**” at One Day Seminar on Control Systems and Nonlinear Control at BKBIET, Pilani on July 30, 2019
17. Two hours expert lecture on “**E-learning: tools and techniques**” lectures at Two weeks Online Refresher course in Business Studies from 7-19<sup>th</sup> September 2020 organized by University School of Management and UGC-Human Resource development Centre (UGC-HRDC), Kurukshetra University.
18. Two hours expert lecture on “**Insights on novel implementation of embedded systems**” at One Week FDP on Mechatronics – Introduction, Modeling & Simulation, and Research during 6-10.7.20 on 9.7.20
19. One hour expert recorded lecture on “**Signal Processing Application in Digital Agriculture through Data Fusion**” at one week online FDP on Advanced Research Trends of Satellite Image Processing in Land Surface Monitoring during 24-28 August 2020 at Integral University Lucknow available online <https://youtu.be/JFV79SyERHs>

20. Invited Keynote talk on “**E-learning: the required skills**” at International Conference on Modern Approaches in Engineering, Science and Management (MAESM-2021), April 16-17, 2021 at Bansal Institute of Engineering and Technology (BIET), Lucknow on April 16, 2021
21. Session chair at International Conference on Modern Approaches in Engineering, Science and Management (MAESM-2021), April 16-17, 2021, Bansal Institute of Engineering and Technology (BIET), Lucknow on April 16, 2021
22. Two hours IETE ISLE Eminent talk on “**Satellite Image Processing**” through Webinar at UEM Jaipur on 26.6.21 <https://youtu.be/9Jh-CTMGotI>
23. Two hours expert lecture on “**Algorithms for AI: Types and Applications**” at FDP on Artificial Intelligence at BIET Lucknow during 19-25 July 2021 on 24.7.21

## AWARDS

1. Best paper award for **Automatic Isolated Hindi Words Recognition Using Neural Networks** presented at National Conference on Advances in Power, Control and Communication Systems (NCAPCCS-2018), at ECED, NIT Kurukshetra from April 21-22, 2018
2. State Board topper in 10+2 in 1988 (Gold medalist)
3. Scholarship holder throughout academics till B. Tech
4. BTech ECE program of ECE Deptt., NIT Kurukshetra got 6 years NBA accreditation only among all the Engineering Deptts. during stint as HOD of the Deptt.
5. Received an International Recognition due to being featured in the list of “World Ranking of Top 2% Scientists” in 2021 database published by Stanford University

## ADMINISTRATIVE/ACADEMIC DUTIES:

1. Member DPC CCN & Institute Telephones
2. Warden Hostel No. 7 for four years
3. Convener Deptt. Library Committee
4. Prof. I/C Deptt. UG/PG Affairs
5. Member DAC
6. Asstt. Nodal Officer TEQUIP – II
7. Deputy Supdt. Exam 2012-13
8. Member M.Tech. Dissertation Pre Submission Committee
9. Designed syllabus of M.Tech. course Research Methodology
10. Lab I/C Deptt. Computer Centre and Advanced Design lab
11. Prof. I/C UG Students' Comprehensive Viva
12. Prof. I/C UG Students' Comprehensive and training Viva Committee
13. Lab I/C Deptt. Microprocessor Lab
14. Member Discipline committee during Presidential Address on 5.8.2014
15. Joint Secretary NITK Alumni Association
16. Head of the ECE Department from May 2, 2017 to May 1, 2019