

Dr. Mohit Bansal serves Gateway Education in multiple domains as **Head - Career Counseling Cell, Head - Marketing & Branding, Manager - Admission & Outreach, and Assistant Professor**. He is a well-known career coach in the region. His experience in teaching, research, and career mentoring spans over 16 years. Through more than 250 seminars, webinars, and one-on-one in-person counseling sessions, he has given career advice to more than 30000 students and parents. He also enjoys solid online popularity among career-oriented students and job seekers through his 200+ career counseling videos that have received over 30 Lakh views, 25K likes, and 2000 questions and comments on the official YouTube channel of Gateway Education and Career Jaano. He has been awarded and honored with numerous awards at national and international events. He is the founder & Director of the career solution company Career Jaano. He has published 32 research and review articles and one book on Data Security, Wireless Sensor Networks, Digital Image Processing, Wireless Communication, Data Mining, and Software Engineering that has been published in reputed international journals and conferences. He possessed significant research followers through Google Scholar and Research Gate. He has also worked as an Assistant Professor in the Electronics and Communication departments at the Hindu Institute of Technology, Bhagwan Mahaveer Institute of Engineering & Technology, and Seth Balwant Institute of Technology.

LinkedIn Profile: <https://www.linkedin.com/in/mohit-bansal>

Orcid ID: [0000-0002-0997-2338](https://orcid.org/0000-0002-0997-2338)

Google Scholar ID: <https://scholar.google.co.in/citations?user=02kyAL4AAAAJ&hl=en>

Research Gate ID: <https://www.researchgate.net/profile/Mohit-Bansal>

## Research Publications

1. **“Color Image Security Using Advanced Image Cryptography & Audio Steganography”** in *Journal of Harbin Engineering University*, vol. 44, no. 7, Nov 2022.  
DOI: <https://harbinengineeringjournal.com/index.php/journal/article/view/446>
2. **“Designing a Novel Technique for Multi-Level Security System for Digital Data by Combined DSSS Audio Steganography & Random Permutation Cryptography”** in *Journal of Propulsion Technology*, vol. 44, no. 4, 2023.  
DOI: <https://doi.org/10.52783/tjjpt.v44.i4.925>
3. **“Evaluation and Ranking of E-Government Websites Using Weighted-Combinative Distance-Based Assessment Approach”** in *International Journal of Software Innovation* vol. 10, no. 1, 2022.

DOI: <https://doi.org/10.4018/IJSI.309729>

4. **“A Comprehensive Review on Various Image Dehazing Techniques”** *NeuroQuantology*, vol. 20, no. 14, pp. 841-851, October 2022.

DOI: [10.47704/nq.2022.20.14.NQ880118](https://doi.org/10.47704/nq.2022.20.14.NQ880118)

5. **“Comparative analysis of different techniques for breast cancer detection in Mammograms”** in *International Journal of Advance Research, Ideas and Innovations in Technology*, Vol. 4, no. 2, 1361-1365, 2018.

<https://www.ijariit.com/manuscripts/v4i2/V4I2-1714.pdf>

6. **“Design and Analysis of Trust Based Modified DSR Routing Protocol in Mobile Ad-Hoc Networks”** in *IJER*, Vol.3., Issue.1, pp. 139-144, 2015.

[https://www.researchgate.net/publication/320491133\\_Design\\_and\\_Analysis\\_of\\_Trust\\_Based\\_Modified\\_DSR\\_Routing\\_Protocol\\_in\\_Mobile\\_Ad-Hoc\\_Networks](https://www.researchgate.net/publication/320491133_Design_and_Analysis_of_Trust_Based_Modified_DSR_Routing_Protocol_in_Mobile_Ad-Hoc_Networks)

7. **“A Proposed Approach for Biomedical Image Denoising Using PCA\_NLM”** in *International Journal of Bio-Science and Bio-Technology*, ISBN: 2233-7849, Vol.6, No. 6 (2014), pp.13-20.

[https://gvpress.com/journals/IJBSBT/vol6\\_no6/2.pdf](https://gvpress.com/journals/IJBSBT/vol6_no6/2.pdf)

8. **“Comparative Analysis of Advanced Thresholding Methods for Speech-Signal Denoising”** in *International Journal of Computer Applications*, ISSN: 0975–8887, Vol. 59–No.16, December 2012, **Impact factor-0.814.**

[Comparative Analysis of Advanced Thresholding Methods for Speech-Signal Denoising \(researchgate.net\)](https://www.researchgate.net/publication/261111111_Comparative_Analysis_of_Advanced_Thresholding_Methods_for_Speech-Signal_Denoising)

9. **“Denoising of Image Using Least Minimum Mean Square Error”** in *International Journal of Engineering and Advanced Technology*. *IJEAT* Vol. 2, Issue 1, October 2012, ISSN: 2249-8958, **Impact factor-1.0**

<https://citeseerx.ist.psu.edu/document?repid=rep1&type=pdf&doi=8ab97cef338f53e33066223d10ee0c7dabfb2937>

10. **“Performance Evaluation of Butterworth Filter for Signal Denoising”** in *International Journal of Electronics and Communication Technology*, Vol. 1, Issue 1, December 2010, ISSN: 2230 -7109, **Index Copernicus value- 5.09**  
[https://www.researchgate.net/publication/302027782\\_Performance\\_evaluation\\_of\\_Butterworth\\_Filter\\_for\\_Signal\\_Denoising](https://www.researchgate.net/publication/302027782_Performance_evaluation_of_Butterworth_Filter_for_Signal_Denoising)
11. **“Comparative Analysis of Design & Development of Various Equalization & Diversity Techniques for MIMO System”** in *International Journal of Man Adhoc Networks*, Vol. 1, Issue 3, November 2011, ISSN: 2231-6825, **Impact factor-1.0**  
[Comparative-Analysis-of-Design-Development-of-Variou-Equalization-Diversity-Techniques-for-MIMO-System.pdf \(researchgate.net\)](#)
12. **“Reduction of Noise from Speech Signal using Wavelet Thresholding”** in *International Journal of Advanced Research in Computer Science*, Vol. 3, No. 4, July- August 2012, ISSN No. 0976-5697, **Impact factor-0.74, Index Copernicus value- 5.47**  
[Reduction of Noise from Speech Signal using Wavelet Thresholding \(researchgate.net\)](#)
13. **“Reduction of Noise from Enhanced Image using Wavelets”** in *International Journal of Electronics Engineering*, Vol-3, Issue-2, 2011, pp. 275– 277, ISSN: 0973-7383.  
[Reduction-of-Noise-from-Enhanced-Image-Using-Wavelets.pdf \(researchgate.net\)](#)
14. **“Comparative Analysis of Different Parameters in Propagation Model for Mobile Communication System”** in *International Journal of Advanced Research in Computer Science*, Vol. 2, No. 6, Nov-Dec 2011, ISSN No. 0976-5697, **Impact factor-0.74, Index Copernicus value- 5.47.**  
[https://www.researchgate.net/profile/Mohit-Bansal/publication/320491033\\_Comparative\\_Analysis\\_of\\_Different\\_Parameters\\_in\\_Propagation\\_Model\\_for\\_Mobile\\_Communication\\_System/links/59e88c3faca272bc42409df4/Comparative-Analysis-of-Different-Parameters-in-Propagation-Model-for-Mobile-Communication-System.pdf](https://www.researchgate.net/profile/Mohit-Bansal/publication/320491033_Comparative_Analysis_of_Different_Parameters_in_Propagation_Model_for_Mobile_Communication_System/links/59e88c3faca272bc42409df4/Comparative-Analysis-of-Different-Parameters-in-Propagation-Model-for-Mobile-Communication-System.pdf)
15. **“Multimedia Streaming Technology in 4G Mobile Communication Systems”** in *International Journal of Soft Computing and Engineering (IJSCE)* ISSN: 2231-2307, Vol. 2, Issue-4, September 2012, **Impact factor-1.0.**  
<https://citeseerx.ist.psu.edu/document?repid=rep1&type=pdf&doi=34896af40073fe71367b70a03c58e2f6b4d48dfe>

16. **“Designing of Fuzzy Expert System for Control of Air Conditioners”** in *International Journal of Engineering Research*, ISSN: 2321-7758, Vol. -3, Issue.1, 2015.  
[https://www.researchgate.net/publication/346565262\\_RAVI\\_KANT\\_et\\_al\\_DESIGNING\\_OF\\_FUZZY\\_EXPERT\\_SYSTEM\\_FOR\\_CONTROL\\_OF\\_AIR\\_CONDITIONERS\\_RAVI\\_KANT\\_et\\_al](https://www.researchgate.net/publication/346565262_RAVI_KANT_et_al_DESIGNING_OF_FUZZY_EXPERT_SYSTEM_FOR_CONTROL_OF_AIR_CONDITIONERS_RAVI_KANT_et_al)
17. **“Design and Analysis of Trust-based Modified DSR Routing Protocol in Mobile Ad-hoc Network”** in *International Journal of Engineering Research*, ISSN: 2321-7758, Vol. -3, Issue.1, 2015.  
[https://www.researchgate.net/profile/Mohit-Bansal/publication/320491133\\_Design\\_and\\_Analysis\\_of\\_Trust\\_Based\\_Modified\\_DSR\\_Routing\\_Protocol\\_in\\_Mobile\\_Ad-Hoc\\_Networks/links/59e88d1f0f7e9bc89b541079/Design-and-Analysis-of-Trust-Based-Modified-DSR-Routing-Protocol-in-Mobile-Ad-Hoc-Networks.pdf](https://www.researchgate.net/profile/Mohit-Bansal/publication/320491133_Design_and_Analysis_of_Trust_Based_Modified_DSR_Routing_Protocol_in_Mobile_Ad-Hoc_Networks/links/59e88d1f0f7e9bc89b541079/Design-and-Analysis-of-Trust-Based-Modified-DSR-Routing-Protocol-in-Mobile-Ad-Hoc-Networks.pdf)
18. **“Comparative Analysis of Different Techniques for Breast Cancer Detection in Mamograms”** in *International Journal of Advance Research, Ideas and Innovations in Technology* (ISSN: 2454-132X).  
<https://www.ijariit.com/manuscripts/v4i2/V4I2-1714.pdf>

## Book and Chapter Publications

1. Published a book on **“Denoising of Speech and ECG Signal by Using Wavelets”** at **LAMBERT Academic Publishing House**, ISBN 978-3-659-23170-4.  
[Denoising of Speech and ECG Signal by Using Wavelets: Digital Signal Processing | Guide books | ACM Digital Library](#)

## Paper presentation in Seminars / Conferences / full paper in Conference

1. **“Comprising Survey of Steganography & Cryptography: Evaluations, Techniques, and Trends in Future Research”** in 8th International Conference on Signal Processing and Communication (ICSC), also included in *IEEE Xplore Digital Library*.  
 DOI: [10.1109/ICSC56524.2022.10009533](https://doi.org/10.1109/ICSC56524.2022.10009533)
2. **“Designing of Licensed Number Plate Recognition System Using Hybrid Technique from Neural Network & Template Matching”** in *ICCCS (2015)* also included in *IEEE Xplore Digital Library*.  
 DOI: [10.1109/CCCS.2015.7374170](https://doi.org/10.1109/CCCS.2015.7374170)
3. **“Characters and Numerals Recognition Technique Using Template Matching”** in *Emerging*

*Trends in Engineering and Technology* at SBIT, Sonapat, January 2016.

4. **“Encoding & Decoding Of Wireless Data Using LDPC Codes”** in *Emerging Trends in Engineering and Technology* at SBIT, Sonapat, January 2016.
5. **“Design and Performance Analysis of Different Modulation Techniques MIMO OFDM Using STBC”** in *Proceedings of National Conference on Advances in Computing, Communication and Information at GIET, Sonapat, March 2015.*
6. **“Comparative Analysis of Different Wireless Image Transmission Techniques”** in *Proceedings of National Conference on Advances in Computing, Communication and Information at GIET, Sonapat, March 2015.*
7. **“Designing and Evaluation of Performance of a 256-Hierarchical QAM for Image Transmission”** in *Proceedings of National Conference on Advances in Computing, Communication, and Information, March 2015.*
8. **“Design Issues of matched Wavelets filter Designed from Fractional and Unit delay Filter”** in *National Conference on Emerging Trends in Electronics and Communication (NCETEC-2010)* at BRCM College of Engineering and Technology, Bahal.
9. **“Wireless Transmission of Electricity”** in *International Conference on Emerging Trends in Engineering and Technology* at GIMT, Kurukshetra.
10. **“Frequency Decomposition Analysis of Noisy Signal by Butterworth Filter”** in *National conference on Advanced Communication & Instrumentation Engineering (ACIE-10)* at Indo Global College of Engineering, Abhipur, Mohali.
11. **“Proportional Integral and Derivative Controller”** in *International conference on Emerging Trends in Electronics and Communications (ICETEC-2009)* at Indo Global College of Engineering, Abhipur, Mohali.
12. **“Enhanced image Noise reduction using Wavelets”** in *National Conference on Emerging Trends in Electronics & Electrical Engineering, IITM, MURTHAL, SONIPAT NCETEEE-2011.*
13. **“Comparative Analysis of Design & Development of Various Equalization & Diversity Techniques for MIMO System”** in *National Conference on Emerging Trends in Electronics & Electrical Engineering, IITM, MURTHAL, SONIPAT NCETEEE-2011.*

## Research Article Reviewer

1. **Honored for Reviewing a research paper** on "Class-Associative Multiple Targets Recognition for Highly-Compressed Color Images in a Joint Transform Correlator" for *Optical Engineering Journal* under *Spie Digital Library Publications*.
2. **Honored for Reviewing a research paper** on "Speech noise reduction system using a new combined algorithm" Manuscript ID TETN-2013-0036 at **International Journal of Electronics**, ISSN: 1362-3060 under Taylor and Francis publication, **Impact factor 2.9230**.

## FDP / MOOCS / Swyam / NPTEL / Courses with IITs / NITs Attended

1. Attended a 4-day workshop on "**PLC and SCADA**" at NITTTR, Chandigarh. ( 27-01-09 to 30-01-09)
2. Attended a 5-day workshop on "**GREEN COMPUTING**" at DCRUST, Murthal. (16-05-11 to 20-05-11)
3. Attended a 1-day workshop on "**NETWORK AND INFORMATION SECURITY (NIS-09)**" at DCRUST, Murthal. (06-03-09)
4. Attended a 1-day workshop on "**NETWORK AND INFORMATION SECURITY (NIS-10)**" at DCRUST, Murthal. (21-10-10)
5. Attended 6 days' workshop on "**High Impact Teaching Skills – Mission 10X**" sponsored by WIPRO at B.M.I.E.T. Sonapat. (April-May 2011)
6. Attended a two-day conference on "**Emerging Trends in Electronics and Electrical Engineering**" at IITM Murthal, Sonapat Haryana. (18-11-11 to 19-11-11)
7. Attended 5 days' workshop on "**Power Electronics**" at N.I.T.T.T.R., Chandigarh. (21-05-12 to 25-05-12)
8. Attended 2 days workshop on "**Robotics**" at B.M.I.E.T., Sonapat. (18-10-12 to 19-10-12)
9. Attended 5 days TEQIP sponsored FDP on "**Multi-Criterion Decision Making Methods and Analysis (MCDMA)**" at DCRUST, Murthal, Sonapat (09-09-16 to 13-09-16)
10. Attended 2 days workshop on "**MATLAB**" at Hindu College of Engineering, Sonapat (17-03-17 to 18-03-17)
11. Attended 10 days workshop on "**Moral Values, Ethics, Behavioral Science & Attitude**" at Gateway Inst. of Engineering & Technology, Sonapat (18-12-17 to 29-12-17)
12. Attended 5 days workshop on "**Mobile App Development**" at DCRUST, Murthal (19-02-18 to 23-02-18)

## Organizing National Conference / International Conference / FDP / STTP

1. Given a 2-day workshop on ROBOTICS using ARDUINO-ATMEGA 328 and 8 at B.M.I.E.T. Sonapat (18-07-2013 to 19-07-2013)
2. Given a 1-day workshop on basic MATLAB at G.I.E.T. Sonapat. (29-08-14)

## Awards & Honors

1. Got a **Special Honor and Recognition as Chief Guest** at DITM, Gannaur. Counseled the Students and their Parents for the **Stream Selection after the 10th Class and College/University Selection** after the 12th Class, April 2024.
2. Got the **invitation and honor** for the Student's and Parent's Orientation Session '**Effective Parenting & Time Management**' at one the Delhi's Renowned Schools Mount Abu Public School, Rohini, March 2024.
3. Got the **invitation and honor Chief Guest** at the Student's and Parent's Orientation Session on **Subjects Stream Selection after the 10th Class** at one of the oldest and most prestigious Schools of Baghpat (UP), Growell Public School, March 2024.
4. Served as the **keynote speaker** and shared **Emerging Skills and Job Profiles in Electronics and Communication Engineering** for Industry at Dr. Akhilesh Das Gupta Institute of Professional Studies, Delhi, March 2024.
5. Got a **special Invitation as Keynote Speaker** to guide 11<sup>th</sup> & 12<sup>th</sup>-standard students about "**Various Career Oriented Courses after 12th**" at MRCR Public School, Jind, in January 2024.
6. Got an **award and special recognition for** contributing to **Innovation in Career Development** by the National Career Counseling Network (NCCN) on 2<sup>nd</sup> December 2023.
7. Got **honor and special recognition for** contributing to **Career Mentorship and Outstanding Service to Humanity** by Yuva Soch Army on 27<sup>th</sup> October 2023.
8. Got **honor and special recognition** for contributing to **Career Mentorship** by Rai constituency MLA Shri Manohar Lal Badoli on 5<sup>th</sup> September 2022.
9. Got special **Guest of honor by G.S.I.L. educational society** at an educational event at Dron Vidyapeeth, Sonapat, on June 10, 2022.

10. **Honored and interviewed by Career Dose Pvt. Ltd, Noida,** to the council "How to select a Perfect Stream" to 10<sup>th</sup> class pass-outs on June 4, 2022.
11. Got a special Invitation and Honor to guide 11<sup>th</sup> & 12<sup>th</sup>-standard students about **"Various Higher Education Options after School"** at Satyam Modern School, Sonapat, in January 2018.
12. Got a special Invitation and Honor to guide 11<sup>th</sup> & 12<sup>th</sup>-standard students about **"Various Career Oriented Courses after 12th"** at MRCR Public School, Jind, in January 2024.
13. Got a special Invitation and Honor to **guide the budding architects** at the national Level Webinar **"What After Architecture"** by Elitaire Group, Odisha on 19<sup>th</sup> & 20<sup>th</sup> June 2021.
14. Got the **"Yuva Soch Ratna Puraskar-2021"** award from Yuva Soch Army on August 1, 2021, for guiding the youth with **outstanding career guidance.**
15. Got a special Invitation and Honor to guide 12<sup>th</sup> standard science students at the national level webinar **"How to Select a Perfect Architecture College"** by Shruti's School of Architecture & Creation, Ghaziabad, on September 26, 2021.
16. **Served as the keynote speaker and shared Emerging Skills and Job Profiles in Computer Science Engineering for Industry at AVENIR 2022, Oman.**
17. **Interviewed by Career Dose Pvt. Ltd, Noida,** to the council **"How to select a Perfect Stream"** to 10<sup>th</sup> class pass-outs on June 4, 2022.
18. Got a special Invitation as Keynote Speaker to guide 11<sup>th</sup> & 12<sup>th</sup>-standard students about **"Various Higher Education Options after School"** at Satyam Modern School, Sonapat, in January 2018.