



# Dr. Ridhima Ahluwalia

## Assistant Professor

### My Contact

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📞 9891677484

📍 Greater Noida

### Personal Profile

D.O.B - 27.11.1983

Gender - Female

Citizenship - Indian

Religion - Hindu

### Hard Skill

- Develop and deliver curriculum
- Provided students with necessary information
- Educate students on network administration, server administration
- Designed and administered exams
- Develop syllabus and curriculum

### Soft Skill

- Observation
- Decision making
- Communication
- Multi-tasking

### Education Background

- Noida International University  
*PhD in steganography as a tool of data hiding in cloud computing*  
Completed in 2022
- Amity University (Noida)  
*M.tech in electronics and communication*  
Completed in 2013
- SCDL  
*Master of Business Administration (MBA) in Information and technology*  
Completed in 2011
- Punjab Technical University  
*B.tech in electronics and communications*  
Completed in 2007

### About Me

Dr. Ridhima Ahluwalia is an assistant professor in the applied science department of Mangalmai College of engineering and technology. She completed her PhD in Steganography to provide a data hiding layer in cloud computing. Her research interest are in computer networking and network science. Dr. Ridhima is a pro active lecturer and researcher with over 15+ years of experience, Teaching various subjects at undergraduate levels. She was the part of NAAC and NBA working team handling various files related with both the affiliations.

### Professional Experience

Mangalmai College Of Engineering And Technology  
2023 – Present

Key responsibilities:

- Teaching first year basic electronics subject
- Handling lab of the above mentioned subject
- Doing mentoring of students
- Handling NAAC responsibilities, currently working on criteria I and making all the required documents
- Active member of IQAC Cell of Mangalmai college

IIMT College Of Engineering And Technology  
2007–2021

Key responsibilities:

- Taught Various subjects at graduation level like, computer networks, electronic measurement and instrumentation, industrial management, total quality management, fundamental of electronic devices, human values and ethics, data communication network, bio medical instrumentation, Analog and digital communication
- Mentor students at various levels
- Project guide of many students
- Event coordinator of the department, managing responsibilities like arranging guest lecture, industrial tour, workshops and departmental activities
- Active member of arranging conferences in the college
- Handled responsibilities of hostel coordinator by arranging meetings with hostel students, warden, mess in-charge and making new policies related to hostels
- Active member of admission cell team
- Active member of NAAC working team
- Set up departmental library
- Active member of women grievance cell
- Active member of NBA working team
- Member of Research and Development Department
- Editor of Departmental newsletter

# Research Work

- Body language and visual communication KINESICS IN BUISNESS NEGOTIATIONS, in Mukta Shabd Journal, Volume XII, Issue v, May 2023
- "Steganography: double encrypted image deployed in cloud": Ridhima, Dr. Anish (co guide), Dr. Priyanka (Guide), will going to publish in IEEE conference, Scopus index journal in 2020.
- Patent on "Design of Cross-Layer Routing Protocol for Multimedia Transfer Over Wireless Networks"
- "Steganography as a tool of secret messaging": Ridhima Ahluwalia & Dr. D.K. Chauhan, at IIT Roorkee in 2015.
- "A Novel Steganography Approach Using DCT & Image Complexity Analysis with Enhanced Security": Ridhima, Dr. D. K. Chauhan, IJESR, 2018.
- "An approach to develop a methodology for functional requirements to secure an electronic voting system": Ridhima, at IJARSE Journal, 2018.
- "Adaptive Steganography via Image Complexity Analysis using 3D Color Texture Feature": Ridhima, Dr. D. K. Chauhan, Suraj Kamya, IEEE Conference at KIET, CIPECH18, in 2018.
- "An approach to develop a methodology for advancement of 4.5G": Ridhima, National conference on new paradigms in Electronics Communication and Computing, 2018, Conference proceedings of IIMT College of Engineering, Greater Noida.
- "Steganography: Tool Of Secret Messaging": Ridhima, Dr. Rajendra Jaitley, Prashant Mavi, IJSRE Journal, 2019.
- "Detection of some neurological and pathological disease due to electronic imbalance", Ridhima & Dr. Taslima Ahmad, IJITEE, paper accepted but not published yet due to lockdown crisis, acceptance proof is there.
- "Automatically identification of analog modulation using software radio" in national conference "SPIN" in AMITY University.
- "Modelling of neuron for biomedical application" in national conference in "AECTE 2011" in IIMT college of Engineering, Greater Noida. "Wireless intelligent network with its unique features" in national conference in "AECTE 2012" in IIMT College of Engineering, Greater Noida.
- "An approach to design of ship control by using At mega & microcontroller" in national conference in "AECTE 2012" in IIMT college of Engineering, Greater Noida.
- "Recent trends in image compression by wavelet transform" in national conference in "AECTE 2012" in IIMT college of Engineering, Greater Noida.
- "Diagnosis of lung cancer nodules in X-Ray image using MATLAB" in international conference "ICRTAE 2013" in VIDYA College of Engineering, Meerut