PROFILE

Name	Prof. Sneh Rachna
Position & Affiliation	Assistant Professor, Department of ECE
Areas of Interest	Image Processing
Email	rachna.ece@cambridge.edu.in
LinkedIn ID	
Google Scholar ID	https://scholar.google.com/citations?user=t2l-frgAAAAJ&hl=en
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Vidwan ID	https://vidwan.inflibnet.ac.in/profile/566490
Scopus ID	
Professional Webpage (if any)	

Educational Qualifications:

MTech	GGSIPU, Delhi	India	2018
BE	JVWU, Jaipur	India	2015

Areas of Research:

Image Processing, Signal Processing, Robotics

Brief Profile: (write about yourself)

Completed MTech in Signal Processing and BTech in Electronics and Communication Engineering. Has over 5 years of teaching experience. The areas of interest are Signal Processing, Image Processing and Robotics. Worked as a Completed MCA and PhD in Computer Applications. Has over sixteen years of Industry, Academic and Global Teaching Experience. The areas of interest are Image Processing, Signal Processing and Robotics. Guided BE students for their projects which includes Bionic ARM, RFID and keypad based door lock alert system, IOT based smart home, Solar weather and pollution transmitter, Gesture controlled robot etc.

Awards/Achievements/Others:

Courses Taught: Electro-Magnetic Theory, Basic Signal Processing, Digital Signal Processing, Python, Wireless & Cellular Communication, Computer Networks

Publications/Patents:

Publications	1. Performance analysis of adaptive enhancement algorithms using Quality metric parameters for autonomous navigationof an unmanned mobile platform in a low illumination environment", REVA University International Conference in July 2022. 2. "Image Steganography: An inevitable need for data security" at Proceedings of the International Congress on "Sustainable Development through Engineering Innovations 3. "Comparative Study of Edge Detection Techniques in Image Processing" has been published at Proceedings of the 13th INDIACom; INDIACom-2019; IEEE Conference ID:46181 2019 6th International Conference on "Computing forSustainable Global Development", Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA) dated 13-15 March 2019. 4. "Counterfeit Currency recognition Methods with Bar-Code Proposed Methods" has been published at "Journal of the Gujarat Research Society" Volume 21-Issue-16-December-2019, ISSN:0374-8588. 5. "Non-Linearity Analysis in Converter of PV System" has been published at "Studies in Indian Places Name (UGC Care Journal)" Volume 20-Issue-60-March-2020, ISSN: 2394-3114.
Patents	Articulated Robotic ARM ***Published on 26-12-2022***
Book/Book Chapters	Book Chapter titled "Image Steganography: An inevitable need for data security" in Sustainable development through engineering innovations, 2021.

Research and Consultancy: