Name of the Faculty	Dr. Himanshu Sharma		
Designation	Associate Professor, ECE Dept. & Dean Administration		
Date of Joining	15-12-2018		
E - Mail	himanshu.ece@jbiet.edu.in		
Educational Qualifications	**Name of the Degree**	**Institute**	**Class**
Ph. D	Doctor of Philosophy (ECE)	Maharishi Markandeshwar (Deemed to be University), Mullana	Awarded
PG	M.E (ECE)	Thapar Institute of Engineering and Technology (Deemed to be University), Patiala	First
UG	B. Tech (ECE)	Kurukshetra University	First
Work Experience			
Teaching	15 Years		
Research	5 Years		
Industry	1 Year		
Responsibilities held at the central level in college	• Dean Administration, JBIET		
Responsibilities held at the departmental level in college	• Coordinator Technical Seminar • M.Tech Supervisor • B.Tech Project Incharge • Member Departmental PG BOS Committee • NBA Criteria 6 coordinator		
Courses Handled at UG Level	• Electronics and Instrumentation Measurements • Analog and Digital Communication • Spread Spectrum Communication • Wireless Communications and Networks • Computer Architecture • Basic Electronics Engineering		
Courses Handled at PG Level	• Research Methodology • Principles of Computer Communication Networks • CPLD and FPGA Systems • Image and Video Processing		

Area of Research	• Mobile and Communication Systems, IoT, AI&DS
Research Guidance for M. Tech/ Ph. D Students	• Guided Twenty M.Tech Dissertations.
Books/ Book Chapters Published	• Published Book on "Operating System", Notion Press; 1st edition (30 May 2022), ISBN No. 979-8887172750. • Published Book Chapter on "Innovation in Digital Farming: Relevance in Present Scenario" in CRC Press Book entitled "Harnessing the Internet of Things (IoT) for a Hyper-Connected Smart World" on Feb. 2022, ISBN No. 9781774639740.
Prominent Research Publications in Conferences	• Paper on "Detection of Software intrusion based on machine learning techniques for IOT Systems", Elseveir - Materials Today: Proceedings, Accepted 7th March, 2021. (Scopus indexed). • Published paper on "Simulation Approach for Design and Analysis of Solid Oxide Fuel Cells" in Proceedings of the Sixth International Conference on Trends in Electronics and Informatics (ICOEI 2022), IEEE Xplore 2022. (Scopus indexed). • Published paper on "Privacy Preserving Encryption with Optimal Key Generation Technique on Deduplication for Cloud Computing Environment" in Proceedings of the International Conference on Automation, Computing and Renewable Systems (ICACRS 2022) IEEE Xplore 2022. (Scopus indexed). • Published paper on "Cognitive Radio Engine Design using PSO and Firefly Algorithm " in Proceedings of the International Conference on Intelligence System (ICIS-2022) during 11- 12th March, 2022. (River Publishers: Scopus indexed). • 14. Published paper on "Classification of rice leaf diseases based on the deep convolutional neural network architectures: Review", AIP Conference Proceedings 2451, 020086 (2022); https://doi.org/10.1063/5.0095670 Published Online: 07 October 2022. (Scopus indexed).
Prominent Research Publications in Journals	• Published paper on "A Perspective on MPLS in WDM Networks", International Journal on Future Revolution in Computer Science and Communication Engineering (IJFRCSCE), Vol. 4, Issue 3, pp. 309-312, March, 2018. • Published paper on "Hybrid TWDM Passive Optical system for Next Generation Access Networks", Journal of Critical Reviews, Vol. 7, Issue 19, pp. 796-800, July 2020. (Scopus indexed). • Published Paper on "Core Technologies and Harmful effects of 5G Wireless Technology", Journal of Physics: IOP Publishing:doi:10.1088/1742-6596/1817/1/012003, March 2021. (Scopus indexed). • Published paper on "Hybrid Feature-Based Disease Detection in Plant Leaf Using Convolutional Neural Network, Bayesian Optimized SVM, and Random Forest Classifier", Hindawi- Journal of Food Quality, Vol. 2022, ArticleID2845320, https://doi.org/10.1155/2022/2845320, Feb 2022. (SCI/WOS indexed). • Published paper on "IoT Attack Detection and Mitigation with Optimized Deep Learning Techniques", Cybernetics and

	Systems, DOI: 10.1080/01969722.2022.2145660 (2022), pp:1-27. (SCI Indexed)
	• Published paper on "Deep Learning Approach for IOT-Based Multiclass Weed Classification Using YOLOv5." In IoT Based Smart Applications, pp. 309-323. Cham: Springer International Publishing, 2022. (Scopus indexed).
	• Published paper on "Studies on thermal, morphological, electrical conductivity and LPG sensing behaviour polyaniline/In2O3 nano composites thin films" in Ferroelectrics Journal, Taylor and Francis, 2023, Vol. 613, pp. 129-136 (SCI indexed).
Patents	• Published Patent on " Wireless Mouse System with Power Saver Technology " with Application Number 202041033101 in Official Journal of Patent Office on 21.08.2020.
	• Granted Patent on "A Robotics Based Muscular Spasm Relief Device " with Australian Patent Application Number : 2020102322 in Register of Patents on 14.10.2020.
	• Published Patent on " A Framework for Cooperative Spectrum sensing for optimal resource allocation towards green cognitive radio networks " with Application Number 202241007447 in Official Journal of Patent Office on 04.03.2022.
	• Published Patent on " Artificial Intelligence based approach to analyse the Neurological disorder that erupt during COVID 19 Pandemic " with Application Number 202211013207 in Official Journal of Patent Office on 18.03.2022.
	• Published Patent on "Intelligent Reader and Navigation System to assist blind people using Raspberry Pi" with application no. 202241068815A in Official Journal of Patent Office on 23.12.2022.
Web of Science/**Scopus ID**	58826887300 https://www.scopus.com/authid/detail.uri?authorId=58826887300
Google Scholar ID	https://scholar.google.com/citations?user=Oa5XyTkAAAAJ&hl=en
H-Index (As per SCOPUS Database)	1
PROFESSIONAL MEMBERSHIPS	• Life Member of International Association of Engineers [IAENG] [**Membership Number – 149385**]
Details of Short-Term Training Programs/Faculty Development Programs/Seminars/ Workshops (Attended)	• Attended NEP 2020 Orientation and Sensitization Programme of 2 weeks organized by UGC Malaviya Mission Teacher Training Centre, JNTUH between 18 March 2024 to 27 March 2024. • Attended Capacity Development program for college principals organized by IAE, Hyderabad between 27-29 April, 2023. • Attended Applied Python & IOT with Raspberry PI workshop organized by JNTUH between 16-17 Dec. 2022 • Attended Lean Six Sigma Yellow Belt Training organized by Phanendra Somraj, Master Black Belt in Lean Six Sigma on 7 July 2022 at JBIET.

	- Attended AICTE Sponsored Two Weeks online FDP on "Advanced Artificial Intelligence Technologies and Leveraging Open Frameworks and SDKs" held during 22.2.2021 to 6.3.2021. - Participated in online FDP on "Skill Development and Rural Technology Innovation" organized by NITTTR, Chandigarh from 26.7.2021 to 30.7.2021. - Participated in one week ATAL AICTE recognized Online Faculty Development Programme on "5G Technology" during 23 to 27 August 2021 Organized by BMS College of Engineering, Bangalore. - Participated in one week ATAL AICTE recognized Online Faculty Development Programme on "Branding of Higher Education Institutes for Enhanced Outcomes Institution Building" during 13 to 17 September 2021 Organized by National Institute of Technical Teachers Training and Research, Chandigarh.
Details of Short-Term Training Programs/Faculty Development Programs/Seminars/ Workshops (Organized)	- Ist International Conference on "Advanced Applications of Technology and Management – AATM 2023" from 10th – 11th March 2023. - Got Letter of Appreciation on 7 July 2022 from NITTTR Chandigarh to organize FDP on "Innovative Technologies Application through Unnat Bharat Abhiyan through ICT" from 21.3.22 to 25.3.22. - Worked as a Coordinator in successfully conducting one-week Online Faculty Development Program on "Recent Trends in Electronics and Communication Engineering" organized by ECE Dept., JBIET from 26 April to 2 May, 2020. - Worked as CONVENER in organizing International Conference on "Devices, Intelligent Systems and Communications" held on 9-10 January, 2020 at JBIET. Hyderabad. - Worked as Organizer of One week Faculty Development Program on "Pedagogical, Research, Technical Writing and Publication" during 1-7 August 2019 organized by ECE Dept., JBIET.