




FACULTY PROFILE

1. Personal Details

NAME	Dr. BHARAT BHUSHAN SHARMA	
DEPARTMENT	ELECTRONICS AND COMMUNICATION ENGINEERING	
DESIGNATION	ASSISTANT PROFESSOR	
PHONE	9953051587,9540108500	
EMAIL ID	bharatsharma@jssaten.ac.in	
Date of Joining (JSSATEN)	17/05/2022	

2. Experience

Total Experience in Years:- 12	Teaching:- 7.5	Industry:-0	Research:- 4.5
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.E. (Honours)	Instrumentation and Control Engineering	2009	B. M. Institute of Engineering & Technology, Sonipat, Haryana	Maharishi Dayanand University (MDU), Rohtak, Haryana
M.Tech. (Honours)	Instrumentation and Control Engineering	2011	DCRUST, Murthal, Haryana	DCRUST, Murthal, Haryana
Ph.D.	Electrical Engineering (Biomedical Instrumentation)	2018	Jamia Millia Islamia, New Delhi	Jamia Millia Islamia, New Delhi
Post Doc.	-	-	-	-

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 09	National: 00
Papers Published in SCOPUS indexed Journals	International: 14	National: 00
Papers Published in other Journals	International: 03	National: 02
Papers Presented in Conferences / Symposium	International: 47	National: 08
Books / Book chapters Published	<p>1. Name of the book: “Medical Electronics” Publisher: SPIH Publishing House, India (ISBN: 978-93-92992-74-2). Year of Publication: 2022</p>	
	<p>2. Name of the book: “Electrical Drives & Control” Publisher: SPIH Publishing House, India (ISBN: 978-93-92992-78-0). Year of Publication: 2022</p>	
	<p>3. Name of the book: “Advances in Renewable Energy and Sustainable Environment” Name of the book Chapter: “Microcontroller based PID Temperature Controller using GA” Publisher: Lecture Notes in Electrical Engineering, Springer. (E-Book ISBN: 978-981-15-5313-4), (Scopus Indexed). Year of Publication: 2021</p>	
	<p>4. Name of the book: “Advances in Renewable Energy and Sustainable Environment” Name of the book Chapter: “Probabilistic Approach for Load Flow Analysis of Radial Distribution System” Publisher: Lecture Notes in Electrical Engineering, Springer. (E-Book ISBN: 978-981-15-5313-4), (Scopus Indexed). Year of Publication: 2021</p>	
	<p>5. Name of the book: “Advances in Mechanical and Materials Technology” Name of the book Chapter: “An Investigation to Different Methods of Health Assessment in Power Transformers” Publisher: Lecture Notes in Mechanical Engineering, Springer. (E-Book ISBN: 978-981-16-2793-4), (Scopus Indexed) Year of Publication: 2022</p>	
	<p>6. Name of the book: “Proceedings of the International Conference on Computational Intelligence and Sustainable Technologies” Name of the book Chapter: “Strategies on Smart Energy Management Policies in India” Publisher: Algorithms for Intelligent Systems. Springer. (E-Book ISBN: 978-981-16-6892-0), (Scopus Indexed).</p>	

	<p>Year of Publication: 2022</p>
<p>7. Name of the book: “Advances in Mechanical and Materials Technology” Name of the book Chapter: “DGA based Health Assessment of a 20 MVA Power Transformer” Publisher: Lecture Notes in Mechanical Engineering, Springer. (E-Book ISBN: 978-981-16-2793-4), (Scopus Indexed). Year of Publication: 2022</p>	<p>8. Name of the book: “Emerging Trends in Electrical & Electronics Engineering” Name of the book Chapter: “Graphical User Interface Based Simulation Model for Acoustic Effect Generation” Publisher: Excel Publisher, New Delhi, India. (ISBN: 978-93-84869-20-5). Year of Publication: 2015</p>
<p>9. Name of the book: “Proceedings of the International Conference on Computing, Networks & Renewable Energy Name of the book Chapter: “Over Voltage and Under Voltage Load Protection using GSM Alert” Publisher: Excel Publisher, New Delhi, India. (ISBN: 978-93-91355-11-1). Year of Publication: 2021</p>	<p>10. Name of the book: “Proceedings of the International Conference on Computing, Networks & Renewable Energy Name of the book Chapter: “Acoustic Effect Generator with Graphical User Interface: A Simulation Model” Publisher: Excel Publisher, New Delhi, India. (ISBN: 978-93-91355-11-1). Year of Publication: 2021</p>
<p>11. Name of the book: “Proceedings of the International Conference on Computing, Networks & Renewable Energy Name of the book Chapter: “Competitive Evolution of Indian Power Sector” Publisher: Excel Publisher, New Delhi, India. (ISBN: 978-93-91355-11-1). Year of Publication: 2021</p>	<p>12. Name of the book: “Proceedings of the International Conference on Computing, Networks & Renewable Energy Name of the book Chapter: “Technological Breakthrough of Artificial Intelligence for Industry 4.0” Publisher: Excel Publisher, New Delhi, India. (ISBN: 978-93-91355-11-1). Year of Publication: 2021</p>

	<p>13. Name of the book: “Proceedings of the International Conference on Computing, Networks & Renewable Energy Name of the book Chapter: “Nanotechnology: An Advanced Resolution to Energy Sector Glitches for Emerging Countries” Publisher: Excel Publisher, New Delhi, India. (ISBN: 978-93-91355-11-1). Year of Publication: 2021</p>
Books / Book chapters Published	<p>14. Name of the book: “Proceedings of the International Conference on Computing, Networks & Renewable Energy Name of the book Chapter: “Sustainable HealthCare Facility Design for COVID Treatment” Publisher: Excel Publisher, New Delhi, India. (ISBN: 978-93-91355-11-1). Year of Publication: 2021</p>
	<p>15. Name of the book: “Electrical Machine-I” Publisher: Tirupati Publication. Year of Publication: 2022</p>
	<p>16. Name of the book: “Empirical Research for Futuristic E-Commerce Systems: Foundations and Applications” Name of the book Chapter: “Fractional Order PID Controller for Tracking Control of SCARA Robot” Publisher: IGI Global. (ISBN: 978-16-68449-69-1). Year of Publication: 2022</p>

5. Research Guidance

PhD Guide? Give field & University	Yes, Biomedical, Acoustics, Sensors, Control and Automation, Energy.	University: Banasthali Vidyapith, Rajasthan
PhDs / Projects Guided	Ph.D. Awarded:00 Guiding: 02	Projects at Master’s Level: - 00 Projects at Bachelor’s Level: 12

6. Grants

i. Funds Received (Projects)

Project Name	Grant Amount	Date of receiving the Grant	Duration in Years	Grant issuing authority/ Body / Organization
Science on Wheels for school students & Gen. Public in MP (CO/A/FP/E36/2020)	42,82,750	Jan 2020	1 year	National Council for Science & Technology Communication (NCSTC), DST, GOI.
Mobile exhibition Science on Wheels for school students and general public in Chattarpur, Rewa,	34,91,500	Jan 2019	1 year	National Council for Science & Technology Communication (NCSTC), DST, GOI.

Sagar, Damoh, Sidhi, Panna and Annupur District (CO/A/FP/E16/2018)				
Science Mela in two different district (CO/A/FP/E87/2015)	8,48,000	2015	1 year	National Council for Science & Technology Communication (NCSTC), DST, GOI.
Organizing Science Mela for SC community (CO/A/FP/E81/2013)	2,25,828	2013	1 year	National Council for Science & Technology Communication (NCSTC), DST, GOI.

ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed
1	ACOUSTIC CONCENTRATION DECODING FROM ELECTROENCEPHALOGRAPHY BASED ON LONG SQUAT TERM RECOLLECTION NETWORK	International Patent Granted (AU)
2	ARTIFICIAL NEURAL NETWORKS BASED OPTIMAL CONTROL OF SMART GRIDS	International Patent Granted (AU)
3	MACHINE LEARNING AND IOT BASED INNOVATIVE DWARF ROBOTS FOR SMART ENVIRONMENTAL MANAGEMENT	International Patent Granted (AU)
4	A FUZZY FRAMEWORK FOR MECHATRONIC SYSTEM WITH DESIGN EVALUATION	International Patent Granted (AU)
5	INVESTIGATION OF HUMAN BRAIN VISUAL PROCESSING WITH DEEP LEARNING HELPS EEG SIGNALS PREDICT DIFFERENT STAGES	International Patent Granted (AU)
6	VIRUS (COVID-19), FUNGUS AND BACTERIA KILLER ULTRAVIOLET LIGHT COMPARTMENT MASK/29-02	Indian Design Patent Granted
7	A PORTABLE USB BASED SOLAR POWERED MOBILE CHARGING DEVICE CUM HYBRID POWER BANK	Indian Patent Published
8	DEEP LEARNING BASED SMART DIAGNOSIS OF BRAIN TUMOR USING MRI IMAGES	Indian Patent Published
9	MACHINE LEARNING AND IOT BASED AUTOMATED HEALTH EVALUATION USING MEDICAL IMAGES	Indian Patent Published
10	MACHINE LEARNING BASED SMART WEARABLE DEVICE FOR CONTINUOUS HEALTH MONITORING OF PREGNANT WOMEN	Indian Patent Published
11	AI BASED PULSE OXIMETER	Indian Design Patent Filed

iii. Consultancy

Title of the work	Amount in Rs.	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
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7. Awards Received

Awards “Best Paper Award”	<ul style="list-style-type: none"> Received Best Paper Award for “Acoustic Source Perception of Human Under Noise: A Comparative Assessment”, at MICTDI CSIO Chandigarh. Received Best Paper Award for “Microcontroller based PID Temperature Controller using Genetic Algorithm”, at NCSES-2019 JSSATE Noida. Received Best Poster Presentation at ICANN-2016, CNN, Jamia Millia Islamia, New Delhi. Certificate of Award on “Technical Consultancy” from Consultancy Development Centre (Autonomous Institute of DSIR, Ministry of Science and Technology), New Delhi.
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8. Publications

i. International Journals

Sl. No	Title of the paper	Name(s) of Author(s)	Name of the Journal	Vol.No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1	Novel approach to design matched digital filter with Abelian group and fuzzy particle swarm optimization vector quantization	Bharat Bhushan Sharma, et.al	Information Sciences	624, (2023), 686-708	Both	8.233	Elsevier
2	Designing and implementing a smart transplanting framework using programmable logic controller and photoelectric sensor	Bharat Bhushan Sharma, et.al	Energy Reports	Vol.8,9;2022, pp. 430-444	Both	6.87	Elsevier
3	Support Vector Regression for Mobile Target Localization in	S. R. Jondhale, V. Mohan, Bharat Bhushan Sharma, J. Lloret,	Sensors	2022; 22(1)	Both	3.576	MDPI

	Indoor Environment	Shashikant V. Athawale					
4	Mixed GA-OPF based Optimal Procurement of Energy and Reserve in Deregulated Environment	A. Banshwar, N. K. Sharma, Bharat Bhushan Sharma , Y. R. Sood, R. Shrivastava	Journal of Intelligent & Fuzzy Systems	35 (2018),49 63–4969	Both	1.95	IOS Press
5	Mixed GA-OPF based Prioritized Optimal Location and Rating of Wind Power Generation in Deregulated Electricity Market	N. K. Sharma, A. Banshwar, Bharat Bhushan Sharma , Y. R. Sood, R. Shrivastava	Journal of Intelligent & Fuzzy Systems	35 (2018), 5071-75.	Both	1.95	IOS Press
6	Simulation based Elevator Group Control System for Multi Storey Building	Bharat Bhushan Sharma , et.al	International Journal of Mathematical, Engineering and Management Sciences	Vol. 4, No. 1, 77–84, 2019	Both	2.2	R.A. Publishers
7	Noise Measurement of Cargo Aircraft at Staff Residence of Airbase	Bharat Bhushan Sharma and M. Khan	Aerospace Medicine and Human Performance	Vol.88, No. 3, 2017	Both	1.053	Aerospace Medical Assoc.
8	Assessment Of Simulated Blood Pooling In Forearm Of An Aircraft Pilot	Bharat Bhushan Sharma and M. Khan	Aerospace Medicine and Human Performance	Vol.87, No. 3, 2016	Both	1.053	Aerospace Medical Assoc.
9	Assesment of sound source perception of human under noise induced stress	M.Khan, Bharat Bhushan Sharma , R. Ohara and A. K. Salhan	Aerospace Medicine and Human Performance	Vol.87, No. 3, 2016	Both	1.053	Aerospace Medical Assoc.
10	Classification of Power Quality Events- An Inclusive Review	Bharat Bhushan Sharma , et.al	Journal of Physics, IOP Press	Vol. 1854 (2021)	Scopus	0.80	IOP Press
11	A simulation model for an acoustic effect generator with	Bharat Bhushan Sharma , et.al	Journal of Materials Today	2022 (In Press)	Scopus	2.3	Elsevier

	graphical user interface						
12	Design of a COVID-19 treatment facility in a sustainable health-care environment	Bharat Bhushan Sharma , et.al	Journal of Materials Today	2022 (In Press)	Scopus	2.3	Elsevier
13	An Efficient Approach for Ambulance Tracking System using GPS and GSM	A. Banshwar, K. Singh, A. Patel, N. K. Sharma, Bharat Bhushan Sharma and M. Pathak	Journal of Physics, IOP Press	Vol. 1854 (2020)	Scopus	0.80	IOP Press
14	Photo-Voltaic based irrigation cart	A. Anand, A. Banshwar, N.K. Sharma, Bharat Bhushan Sharma , M. Pathak	Journal of Physics, IOP Press	Vol. 1478 (2021)	Scopus	0.80	IOP Press
15	Signal Conditioning of thermocouple using intelligent technique	Mohd. Zeeshan, Bharat Bhushan Sharma , K. Javed, S. Ahsan	Journal of Materials Today	Vol. 4, Issue 9, 2017, Pages 10627-10631	Scopus	1.46	Elsevier
16	The role of annealing temperature on structural, optical and dielectric properties of La ³⁺ modified Zinc Oxide (ZnO) nanostructures	Kaushlya Sihag, Nitika Choudhary, Vijay Luxmi, Praveen Kumar, Aman Joshi, Bharat Bhushan Sharma	Journal of Materials Today	Vol. 43, Part 2, 2021, Pages 1408-1414	Scopus	1.46	Elsevier
17	Power Quality Event classification using Fuzzy Classifier	M. K. Saini, R. Kapoor and Bharat Bhushan Sharma	Advanced Material Research	Vols. 403-08, pp. 3854-58, 2011	UGC Listed	-	Trans Tech Publ. Ltd
18	Pervasive Approach to Acoustic Source Perception in Horizontal Plane	M.Khan, Bharat Bhushan Sharma , K. Javed	Journal of Perspective in Sciences	Vol. 8, pp. 667 - 669, 2016	-	-	Elsevier
19	Acoustic Source Perception of Human Under Noise: A	M.Khan, Bharat Bhushan Sharma	International Journal of Computer Application (IJCA)	2016(2):1-4	-	3.12	Foundation of Computer Science

	Comparative Assessment						
20	Text data extraction from Images of Number plates and Sign Boards	Bharat Bhushan Sharma, et.al	International Journal of Electronics, Electrical and Computational System	Volume 4, Issue 9, 201, pp. 1-4	-	2.52	Academic Science

ii. National Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1	Design and Implementation of acoustic source for Analysis of Sound Perception	M. Khan and Bharat Bhushan Sharma	Journal of Basic and Applied Engineering Research	Vol. 2, No. 10, , pp. 800-803	-	4.52	Krishi Sanskriti
2	Study and Assessment of Rain Water Harvesting Techniques to Augment Water Supplies in Shiv Nagar Colony Area of Noida	R. K. Sharma, Bharat Bhushan Sharma and A. Aggarwal	Journal of Civil Engineering and Environmental Technology,	Vol. 1, 2; 2014, pp. 61-64	-	4.38	Krishi Sanskriti

iii. Conferences

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Conference	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1	Acoustic Source Analysis of Sound Perception in Noisy Condition	Bharat Bhushan Sharma and M. Khan	2015 Annual IEEE India Conference-INDICON	2015	Both	-	IEEE Xplore
2	Impact Of Noise On Inclusive Performance of	Bharat Bhushan Sharma and M. Khan	IEEE ICPECA 2019, Jamia Millia Islamia	2019	Both	-	IEEE Xplore

	Learner In An Educational Institute						
3	Methodology of Iris Image Analysis for Clinical Diagnosis	S. P. Jogi and Bharat Bhushan Sharma	IEEE Conference-MEDCOM	2014	Both	-	IEEE Xplore
4	Wireless Assesment of Acoustic source perception in Noisy Environment	Bharat Bhushan Sharma and M. Khan	ICACM 2019, Jaipur, Rajasthan	2019	SSRN	-	Elsevier
5	An Evaluation of Different Health Assessment Methods on 50 MVA Power Transformer A Case Study	A. Patel, N. K. Sharma, A. Banshwar, Bharat Bhushan Sharma , M. Pathak	2020 IEEE SCES, Prayagraj	2020	Scopus	-	IEEE Xplore
6	Classification of EEG Signals Based on Imaginary Movement of Right and Left Hand Wrist	M. Jahan , Y. Khan and Bharat Bhushan Sharma	IEEE Conference-MEDCOM	2014	Both	-	IEEE Xplore
7	Solar Powered Automated External Defibrillators in Remote Areas: A Computer Simulation	M. Khan, A. K. Singh and Bharat Bhushan Sharma	IEEE Conference-MEDCOM	2014	Both	-	IEEE Xplore
8	Feature Extraction and Pattern Recognition of EMG based Signal for Hand Movement	M. Jahan , M. Manas and Bharat Bhushan Sharma	IEEE Conference - ISACC 2015	2015	Both	-	IEEE Xplore
9	Development of a benchmark for the Interpretation of Transformer Frequency	M. Manas, Zaheeruddin and Bharat Bhushan Sharma	IEEE Conference-CCIP, JSSATE-Noida	2015	Both	-	IEEE Xplore

	Response Analysis result						
10	Power Quality Classification and detection- A Review	M. K. Saini, R. Kapoor and Bharat Bhushan Sharma	IEEE Conference-IET SEISCON, Dr. MGR University, Chennai	2011	Scopus	-	IEEE Xplore
11	Power Quality Event classification using Fuzzy Classifier	M. K. Saini, R. Kapoor and Bharat Bhushan Sharma	International Conference on Control, Robotics and Cybernetics (ICCRC 2011), SRM University, Delhi-NCR	2011	Scopus	-	IEEE Xplore
12	A Novel SPICE Implementation of MPPT Technique for Implantable Solar Powered Cardiac Biosensors	M. Khan, A. K. Singh, and Bharat Bhushan Sharma	IEEE Conference ICIIS, IITM, Gwalior, India.	2014	Both	-	IEEE Xplore
13	Microcontroller based PID Temperature Controller using Genetic Algorithms	Bharat Bhushan Sharma , et.al	NCRESE-2019, NIT Kurukshetra	2019	Scopus	-	Springer
14	Electronic Prototype Model For Generation Of Variable Acoustic Effects	Bharat Bhushan Sharma and M. Khan	ICANN, 2016, CNN, Jamia Millia Islamia	2016	-	-	-
15	Energy Storage Scheme with Market-Based Participation to Promote Renewable Energy Sources for Energy Procurement and Spinning Reserve	Bharat Bhushan Sharma , et.al	(AIoTA-2021) GEWC Ajmer, Rajasthan,	2021	-	-	-

16	Effect of Noise on Human perception	M.Khan and Bharat Bhushan Sharma	64th International Congress of Aviation and Space Medicine, ICASM, New Delhi.	2016	-	-	-
17	An Effective Renewable Energy Management Optimization Approach for Green Microgrid in the Deregulated Energy Sector	N. K. Sharma, A. Banshwar, Bharat Bhushan Sharma , S. Yadav	(AIoTA-2021) GEWC Ajmer, Rajasthan,	2021	-	-	-
18	Efficient Wind GENCOS Biding Strategy in the Conventionally Produced Restructuring Electric Power Sector	A. Banshwar, N. K. Sharma, Bharat Bhushan Sharma , S. Yadav	(AIoTA-2021) GEWC Ajmer, Rajasthan,	2021	-	-	-
19	Multiwavelet based Classification of Power Quality Events	N. K. Sharma, Bharat Bhushan Sharma , A. Banshwar, M. Pathak and A. Joshi	AISCC-2020, MNIT Jaipur	2020	-	-	-
20	Interval Arithmetic Approach for Load Flow Analysis of Radial Distribution System considering Uncertainties	M. Pathak, A. Banshwar, N. K. Sharma and Bharat Bhushan Sharma	AISCC-2020, MNIT Jaipur	2020	-	-	-
21	Human subject perception of an acoustic source in a vertical plane	Bharat Bhushan Sharma , et.al	IASTSF-2022, JC BOSE YMCA Faridabad, Haryana	2022	-	-	-

22	Elevator Group Control System for Multi-Storey Building: A Simulation	Bharat Bhushan Sharma , et.al	International Conference on “CTMS: Aspects and Prospects”	2015	-	-	-
23	Designing a Sustainable Health Care Facility for COVID Treatment	Bharat Bhushan Sharma , et.al	IASTSf-2022, J.C.Bose UST YMCA Faridabad, Haryana	2022	-	-	-
24	Design and analysis of water distribution grid system in urban environments	Bharat Bhushan Sharma , et.al	IASTSf-2022, J.C.Bose UST YMCA Faridabad, Haryana	2022	-	-	-
25	Probabilistic Approach for Load Flow Analysis of Radial Distribution System	A. Banshwar, Bharat Bhushan Sharma , M. Pathak, N. K. Sharma and A. Joshi	NCRESE-2019, NIT Kurukshetra	2019	Scopus	-	Springer
26	Acoustic Source perception by human subjects	Bharat Bhushan Sharma , et.al	8th National Conference on Nanotechnology and Instrumentation Technology, NIT Kurukshetra	2020	-	-	-
27	Power Quality Event Classification using Multiwavelet and K-nn Classifier	Bharat Bhushan Sharma	NSI-39, Gurukul Kangri University, 2014	2014	-	-	Instrumentation Society of India, IISc Bangalore
28	,Design and Development of Prototype Model for Variable Frequency Sound Generator	M. Khan and Bharat Bhushan Sharma	NSI-39, Gurukul Kangri University, 2014	2014	-	-	Instrumentation Society of India, IISc Bangalore
29	Design and Analysis of	R. K. Sharma and Bharat	NSI-39, Gurukul Kangri	2014	-	-	Instrumentation Society of

	Grid System Technique for Water Distribution in Urban Areas	Bhushan Sharma	University, 2014				India, IISc Bangalore
30	Acoustic Source Perception of Human Under Noise: A Comparative Assessment	M.Khan and Bharat Bhushan Sharma	MICTDI CSIO Chandigarh	2016	-	-	CSIO Chandigarh
31	Noise measurement of fighter aircraft close to an airbase	M. Khan and Bharat Bhushan Sharma	56th Annual conference of Indian Society of Aerospace Medicine, Bangalore	2017	-	-	ISAM, GOI
32	Power Quality Event Classification	A. Banshwar, Bharat Bhushan Sharma , M. Pathak, N. Sharma and A. Joshi	NCSES 2019, JSS Academy of Technical Education Noida	2019	-	-	-
33	Interval Arithmetic Approach for Load Flow Analysis of Radial Distribution System	N. K. Sharma, M. Pathak, A. Banshwar, Bharat Bhushan Sharma and A. Joshi	NCSES 2019, JSS Academy of Technical Education Noida	2019	-	-	-
34	HealthCare Facility Design: COVID-19 Pandemic	R. K. Sharma and Bharat Bhushan Sharma	NCSBE 2020, AITSAP Greater Noida	2020	-	-	-
35	Detection and Classification of Multiple PQ Event Using MWT and k-NN Classifier	Bharat Bhushan Sharma , et.al	CNRE 2022 IKGPTU	2022	-	-	-
36	E-trolley: Design and Simulation for People with Disabilities	Bharat Bhushan Sharma , et.al	CNRE 2022 IKGPTU	2022	-	-	-
37	Acoustic Perception of	Anuj Banshwar, Bharat Bhushan	CNRE 2022 IKGPTU	2022	-	-	-

	Low and High Frequency with Noise	Sharma, Naveen Sharma, Bharti Panjwani, Satvir Singh and Yagya Prakash Arya					
38	Design And Implementation of Automated Smart Doors for Monitoring Body Temperature	Ayushi Gupta, Dhanishtha Sharma, Diotima Roy, Parakh Jain and Bharat Bhushan Sharma	CNRE 2022 IKGPTU	2022	-	-	-
39	Grid Integration of Renewable Energy Sources in the Indian Power Market for Competitive Evolution	Anuj Banshwar, Bharat Bhushan Sharma, Naveen Sharma, Satvir Singh and Ajay Gupta	CNRE 2022 IKGPTU	2022	-	-	-
40	Scenarios and Modified Interval Based Wind Power Uncertainty Modelling for Decision Making in Electricity Market	Swati Gupta, Bharat Bhushan Sharma, Vivek Prakash, Sandeep Chawda and Kailash Sharma	PIECON 2023 AMU Aligarh	2023	-	-	IEEE Explore

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	GIAN Course on “Advances in Neurotechnologies For Building Brain Machine Interface”	Jamia Millia Islamia, New Delhi	Feb 25 - March 1, 2017
2	Online One-Week STC programme on “CAD/CAM”	National Institute of Technical Teachers Training and Research, Chandigarh	March 18 - 23, 2019
3	Online One-Week STC programme on “Internet of Things”	National Institute of Technical Teachers Training and Research, Chandigarh	April 15 – 19 2020
4	GIAN Course on “Smart Sensor and Internet of Things (IOTs)”	Jamia Millia Islamia, New Delhi	March 21- 31, 2016

5	Online One-Week STC programme on "8051 Microcontroller and its Applications"	National Institute of Technical Teachers Training and Research, Chandigarh	May 2020
6	FDP programme on "Virtual Training For Renewable Energy systems"	SAEC, Chennai	May 30 -31, 2020
7	GIAN Course on "Controls in Renewable Energy and Micro Grid"	Jamia Millia Islamia, New Delhi	May 30–June 4, 2016
8	Five Days workshop on "Pattern Recognition and Soft Computing"	Delhi Technological Univeristy, Delhi	July 05-09, 2010
9	Workshop on "Introduction to Lab-View"	NSIT, Delhi	March 2015
10	Online One-Week STC programme on "Quantum And Energy Materials: Potential & Applications"	National Institute of Technical Teachers Training and Research, Chandigarh	April 20 to 24, 2020
11	Online One-Week STC programme on "Image and Embedded Processing"	National Institute of Technical Teachers Training and Research, Chandigarh	April 27 to May 1, 2020
12	Short Term Course on "Artificial Intelligence: Theories, Techniques and Applications"	Banasthali Vidyapith, Rajasthan	Jan 08-13, 2020
13	Short Term Course on "Innovation and Research Trends in Artificial Intelligence"	Banasthali Vidyapith, Rajasthan	Oct 16-21, 2019
14	Online One-Week STC programme on "Nanomaterials and Devices"	National Institute of Technical Teachers Training and Research, Chandigarh	June 1 to 5, 2020
15	Short Term Course On "Advanced Interdisciplinary Teaching & Research Methodologies (AITRM-2019)"	Banasthali Vidyapith, Rajasthan	February 10, 2019 to March 02, 2019
16	Online One-Week STC programme on "Strategic Planning for Entrepreneurship Promotion"	National Institute of Technical Teachers Training and Research, Chandigarh	May 04 to 09, 2020
17	FDP on "Machine Learning & Deep Learning"	Forsk Technologies, Jaipur, Rajasthan	Jan 10-19, 2020
18	Online One-Week FDP programme on "Engineering Education & the Industry: A Post COVID-19 Perspective"	RGIT, Mumbai	June 6 to 9, 2020
19	Online One-Week STC programme on "Neural Network and CNN"	National Institute of Technical Teachers Training and Research, Chandigarh	May 18 to 22, 2020
20	One-Week STC programme on "Computer Integrated Manufacturing & CNC (CIM/CNC)"	National Institute of Technical Teachers Training and Research, Chandigarh	May 25 to 29, 2020

21	Online One-Week STC on “Advanced Construction Technology”	National Institute of Technical Teachers Training and Research, Chandigarh	May/June 2021
22	Online One-Week STC on “Operational Research: An Introduction”	National Institute of Technical Teachers Training and Research, Chandigarh	May/June 2021
23	Online One-Week ICT on “Cyber Crime and Forensic Tools”	National Institute of Technical Teachers Training and Research, Chandigarh & JSSATE, Noida	May 23 to 27, 2022
24	Online One-Week STC on “Advanced Control of Standalone Energy Systems”	National Institute of Technology Srinagar, J&K	June 13 to 17, 2022
25	Online One-Week ICT on “Arduino based system design using Tinker CAD Free Simulator”	National Institute of Technical Teachers Training and Research, Chandigarh & JSSATE, Noida	June 20 to 24, 2022
26	Online One-Week STC on “Patent Filing”	National Institute of Technology Srinagar, J&K	June, 2022
27	Online One-Week STC “Advanced Control System & Experiments ACSE-2022”	National Institute of Technology, Kurukshetra, Haryana	July 18 to 23, 2022
28	Online Two-Week STC “Image Processing using MATLAB”	National Institute of Technical Teachers Training and Research, Chandigarh	July 25 to August 5, 2022
29	Online Two-Week Faculty Development Programme on “MATLAB Programming”	PDPM IITDM Jabalpur	August 22 to September 02, 2022
30	Three Days FDP on “Artificial Intelligence”	EDUNET, Tech Saksham	December 21 to 23, 2022

v. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
1	Robo- Galaxy Workshop 2013	JSS Academy of Technical Education Noida	2013	Faculty Coordinator
2	Python and its application in Machine Learning	Banasthali Vidyapith, Rajasthan	27/12/2019 to 30/12/2019	Training-Coordinator
3	Python and its application	Banasthali Vidyapith, Rajasthan	07/01/2020-08/01/2020	Training-Coordinator

4	Emerging Trends in Science Education: Robotics and Automation	Banasthali Vidyapith, Rajasthan	11/03/2019 to 17/03/2019	Training-Coordinator
5	Embedded System	Banasthali Vidyapith, Rajasthan	12/03/2019	Coordinator
6	Smart Automation	Banasthali Vidyapith, Rajasthan	26/03/2019	Coordinator
7	Time Management	Deenbandhu Chhotu Ram University of Science & Technology, Murthal	03/03/2010	Coordinator
8	National Conference ETEEE-2015	Jamia Millia Islamia, New Delhi	04/02/2015 to 05/02/2015	Organizing Committee Member (Budgeting)
9	IEEE International Conference Indicon-2015	Jamia Millia Islamia, New Delhi	December 17-19, 2015	Volunteer
10	ICANN, 2016	Jamia Millia Islamia, New Delhi	Nov 4-5, 2016	Volunteer
11	GIAN Course on “Advances in Neuro-technologies For Building Brain Machine Interface”	Jamia Millia Islamia, New Delhi	Feb 25 - March 1, 2017	Volunteer
12	GIAN Course on “Controls in Renewable Energy and Micro Grid”	Jamia Millia Islamia, New Delhi	May 30–June 4, 2016	Volunteer
13	Sports Meet 2013	JSS Academy of Technical Education Noida	2013	Faculty Coordinator
14	Recent Trends in Design, Control & Operation of Solar PV Systems	NIET Greater Noida	2017	Organizing Committee Member
15	Spoken Tutorial FDPs/MOOC Courses for Faculty/Technical Staff and Students	JSS Academy of Technical Education Noida	2022-23	Department Coordinator

vi. Conference Attended (those sponsored by AICTE / ISTE /IETE /TEQIP or any other sponsoring body)

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	TEQIP-III sponsored workshop on Mechatronics at RIET Jaipur	Rajasthan Technical University, Kota	Jan 16-20, 2021
2	FDP on Artificial Intelligence, Robotics and Automation under the scheme CURIE-AI, DST, Govt. of India	Banasthali Vidyapith, Rajasthan	March 9-14, 2022
3	One-Week Technical Workshop on “Recent Trends in Design,	N.I.E.T., Greater Noida	April 23 – 27, 2017

	Control & Operation of Solar PV Systems” Under TEQIP-III		
4	One-Week Technical Workshop (sponsored by Institute of Engineers (India)) on “Advances in Manufacturing Processes (AMP – 2017)	N.I.E.T., Greater Noida	November 27-December 1, 2017
5	One Month “Induction Training Program” MHRD sponsored (Under PMMMNTT)	Banasthali Vidyapith, Rajasthan	November 18-December 17, 2018
6	FDP on Artificial Intelligence, Robotics and Automation under the scheme CURIE-AI, DST, Govt. of India	Center for AI, Banasthali Vidyapith, Rajasthan	March 20-25,2021

9. Details of NPTEL / COURSERA/Other courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1	Biomedical Signal Processing	NPTEL	2018	-

10. Membership of Professional Bodies:

1. Allied Member of Aerospace Medical Association (AsMA) Society, USA.
2. Member of CSTA (Membership Id: 98358005392)
3. Member of International Association of Engineers (IAENG) (Membership No.: 156258)
4. Member of IACSIT (Membership No.:80340).
5. IEEE Member (Membership No.: 93115513).
6. Member of IAAC (Membership No.: CE001346).
7. Member of IEOM Society (Membership No.: 1440714).

11. Any other information you will like to share about your professional experience

- Session chair at NCSEVES 2021, JSS Academy of Technical Education, Noida.
- Session chair at International Conference (CNRE-2021, CNRE-2022), I.K. Gujral Punjab Technical University, Jalandhar, Punjab.
- Expert talk on “Softwares in Mechatronics Systems” at TEQIP-III sponsored workshop on Mechatronics, Rajasthan Technical University, Kota, Rajasthan.
- Reviewer of International journals, reputed International/National conferences.
- External Examiner for autonomous institutes and universities.
- Research Supervisor at Banasthali Vidyapith, Rajasthan.
- Working with various social reform societies in education sector.