

	<p>Name: Manmohit Sharma Designation: Assistant professor Qualification: M.Tech Teaching Experience: 2.6 years Email-ID: Manmohitsharma1997@gmail.com Contact No.: 9625129616 <u>Research Interests:</u> Biomass energy conversion, Electric vehicle.</p>
About Your self	<p>Welcome. I am a professional educator at TRAMIET with my commitment on academic growth of students in field of research and technology. My role extends beyond teaching the curriculum; it is to equip students with the critical thinking skills and foundational knowledge necessary to excel in an increasingly complex world.</p> <p>As engineering students should be able to solve real-world problems and give their best to improve technology, I always encourage my students to stay in touch with ongoing research and innovation. After all... "Scientists investigate what is; engineers create what has never been".</p>
Education	<p>Master of Technology(M.Tech)(2019-21): Power Engineering. Guru Nanak Dev Engineering College Ludhiana. Bachelors of Technology (B.Tech) (2014 - 18): Electrical Engineering. Baddi University of Emerging Sciences and Technology.</p>
Publications	<p>Manmohit Sharma, Rupinderjit Singh, "ESTIMATION OF POWER GENERATION USING BIOMASS: A CASE STUDY OF SIRMAUR DISTRICT (H.P.)", "International Research Journal of Modernization in Engineering Technology and Science", Volume: 03/Issue: 07/July-2021.</p>
Courses handled	<p>Basics of Electrical engineering FACTS Controllers High voltage engineering Linear control system Signal and system Electric circuit analysis Energy conservation and Audit</p>
Additional responsibilities	<p>Mentor 3rd year Discipline committee member Cultural committee member</p>



Name: Amandeep Thakur
Designation: Assistant professor
Qualification: M.Tech
Teaching Experience: 11 years
Email-ID: amandt90@gmail.com
Contact No.: 9816231680
Research Interests: Power System loss minimization

About Your self

Dear Students, Faculty, Staff, and Distinguished Visitors,
It is with immense pride and a profound sense of responsibility that I serve as the Head of the Department of Electrical Engineering at TRAMIET.

A Personal Note

I am an electrical engineer and an academic at heart, with 11 years of experience in teaching, research, and industry. My own research interests lie in Power System optimisation. I am deeply passionate about the transformative power of electrical engineering and am committed to guiding this department to new heights of achievement.

Education

"B.E. (Electrical and electronics engineering)
M.Tech (Power System)

Publications

Amanmdeep, Shavet sharma, Akshay rana
, "Review On Power System Reconfiguration and Loss Minimization for An Distribution Systems", International Journal of Advance research , Ideas and Innovations in Technology, (Volume3, Issue3),
ISSN: 2454-132X.
Amandeep, Sharma Shavet, Rana Akshay; "International Journal of Advance Research, Ideas and Innovations in Technology", "Power System Loss Minimization Using Flower Pollination Algorithm (FPA)-A Comparative Study", (Volume3, Issue3),ISSN: 2454-132X.

Courses handled

"Electrical power generation
Transmission and distribution of electrical power
Switchgear and protection
Electrical power quality
Hydro power station design
Non-conventional electrical power generation
Power system analysis

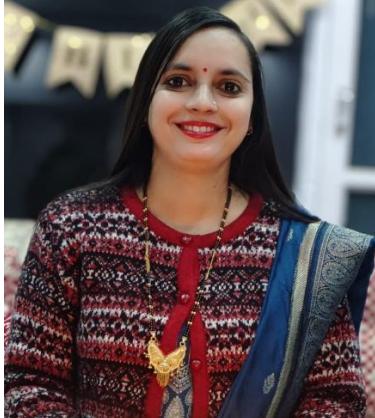
Additional responsibilities

Officiating Head of department

	<p>Name: Abhay Mahajan Designation: Assistant professor Qualification: M.Tech Teaching Experience: 12 Years Email-ID: abhaymahajan0100@gmail.com Contact No.: 7018258569</p> <p><u>Research Interests:</u> Instrumentation and Control</p>
About Your self	<p>My name is Abhay Mahajan. I am a dedicated and sincere student with a keen interest in science and innovation. I believe in learning through practical experience and teamwork. My goal is to gain deep knowledge in my field and contribute to society through research and sustainable solutions. I value honesty, discipline, and continuous improvement in whatever I do.</p>
Education	<p>"B.Tech - IEET Baddi under H.P.U. M.Tech - NITTTR Chd. Under P.U."</p>
Publications	<ol style="list-style-type: none"> 1.) Abhay Mahajan, Kartar Singh, Shimi S.L, "Three Phase Induction Motor Torque Control using Fuzzy Logic: A Review", International Journal of Modern Embedded System (IJMES), Volume No.4, Issue No.5, October-2016. 2.) Abhay Mahajan, Gopal L. Jat, Kartar Singh, Shimi S.L, "Real Time Speed Control of Induction Motor Using New Generation DSP Controller", 2nd IEEE International Conference on Innovative Application of Computational Intelligence on Power, Energy and Controls with Their Impact on Humanity(CIPECH),pp. 98-102, Nov-2016. 3.) Gopal L. Jat, Abhay Mahajan, Kartar Singh, Shimi S.L, "A Simple Feed Forward Fuzzy Direct Torque Control of DSP Based Induction Motor Drive", IEEE International Conference on Electrical Power and Energy system(ICEPES), Dec-2016 . 4.) Ved Verma, Abhay Mahajan,"Converter Control Schemes of Grid Connected DFIG in WECS-AREVIEW", International Conference on Recent Advances and Research Innovation in Engineering and Technology (RARIET-2017), Nov-2017. 5.) Ved Verma, Abhay Mahajan,"A Comprehensive Study of Converter Control Topologies of Grid connected DFIG in WECS ",International Journal of Innovative Research in Technology (IJIRT),Volume5 Issue10, ISSN:2349-6002, Mar-2019. 6.) Vikas kashyap, Ritula Thakur,Abhay Mahajan,Shekhar sharma, Geeta Thakur, "Review of Energy Saving Techniques in Cold Storage Plant", International Journal of Research in Engineering,Science and Managment, Volume-3, Issue-1, January 2020. 7.) Geeta thakur,Anju Bala ,Abhay Mahajan,Shekhar Sharma, "Design and Development of Solar Electric Charging Station for Green Vehicle"International journal of Research in Engineering Science and Managment(IJRESM), Volume-3, Issue-1, January-202

Courses handled:	Power Electronic Basic Electrical Basic Electronic Electrical Machine
Additional responsibilities	T.P.O. at T.R.A.M.I.E.T.

	<p>Name: Anju Bala Designation: Assistant professor Qualification: Pursuing PhD Teaching Experience: 10 years Email-ID: thakur.anjuelect88@gmail.com Contact No.: 7018570874</p> <p><u>Research Interests:</u> Power Electronics, FACTS, Electric Vehicles</p>
About Your self	<p>I'm passionate about my work and I know how to get the job done. I would describe myself as an open and honest person who doesn't believe in misleading other people and tries to be fair in everything I do.</p>
Education	<p>M.Tech, Pursuing PhD</p>
Publications	<p>1. Published in: 2024 2nd International Conference on Advancements and Key Challenges in Green Energy and Computing (AKGEC) Date of Conference: 21-23 November 2024 Date Added to IEEE Xplore: 11 February 2025 ISBN Information: DOI: 10.1109/AKGEC62572.2024.10868676 Publisher: IEEE Conference Location: Ghaziabad, India</p> <p>2. Anju Bala , Geeta Thakur and Lini Mathew, "Design and implementation of three phase three level inverter based D-STATCOM " IEEE conference, ICPCES 2017.</p> <p>3. Geeta Thakur, Anju Bala and Lini Mathew, "Design and development of solar electric charging station for green vehicle ISSN No.-2395-1052 V.6 year 2020 UGC listed.</p> <p>4. Anju Bala, Ritula Thakur and Shimi S.L,"Optimal Selection of Electric Vehicle Charging Station with Best-Worst Method and Grey Relational Analysis,"IEEE International Conference on Green Indurstal Electronics and Sustainable Technologies, 2025.</p>
Courses handled:	<p>Power electronics Electric ckt analysis Transmission & Distribution Basic electronics FACT Devices</p>

	<p>Name: Sangeeta Thakur Designation: Assistant professor Qualification: M.Tech Teaching Experience: 8 years Email-ID: Thakursangeeta420@gmail.com Contact No.: 9805791138</p> <p><u>Research Interests:</u> wireless sensor network</p>
About Your self	<p>I am working as a Assistant Professor in TRAMIET . I have a 8 years teaching Experience as a Assistant Professor . I have published the three research paper as a guide in 2021,2022.“I believe in using technology to enhance the learning experience. I use online resources, interactive presentations, and simulations to engage students and make the content more accessible. “I want to provide quality education to student so that their practical knowledge increases.</p>
Education	<p>BTech in Electronics and communication Mtech -Electronics and communication</p>
Publications	<p>Publication- Journal-IJRET-International Research journal of Engineering and technology Research paper Title 1.Residual energy based cluster head selection in WSNs for IOT application 2.IOT based Home Automation and security system using Android voice Assistant working with Firebase RDB and FCM 3.Detection and Removal of multiple black hole attacks through sending forged packed in MANETs</p>
Courses handled:	<p>Electrical and Electronics measuring instrument Electromagnetic fields electrical measuring instrument digital system design</p>
Additional responsibilities	<p>Diploma all work responsibilities cultural responsibilities mentor of 2nd year</p>

	<p>Name: Vijay Designation: Lecturer Qualification: B.Tech (EE) Teaching Experience: 01 Year Email-ID: chauhanvijay15sep@gmail.com Contact No.: 8219206217</p> <p><u>Research Interests:</u> "Interior Permanent Synchronous motor Solar power technologies"</p>
About Your self	<p>"My name is Vijay . I'm from Distt. Mandi. I have done my Diploma (EE) from Govt. Polytechnic kullu with 72%. & also I have done my B. Tech(EE) from T.R.Abilashi Memorial Institute of Engg. & Tech. Tanda, Mandi with 76%. Currently I'm working as a Lecturer(EE) in T.R.Abilashi Memorial Institute of Engg. & Tech. Tanda, Mandi. My hobbies-</p> <ul style="list-style-type: none"> • Staying updated with current affairs and issues by surfing the internet. • Integrating with intellectuals to discuss on common issues. • Watching motivational shows."
Education	Diploma in EE from Govt. Poly. Kullu B.tech in EE from TRAMIET"
Courses handled:	1. Introduction to Electrical Generation System 2. Solar Power Technologies 3. Electrical Estimating & contracting 4. Power Electronics 5. Hydro Power Station Design 6. Student Centered Activities"
Additional responsibilities	Discipline committee Cultural committee Mentor 3 rd year diploma

	<p>Name: Kiran Designation: Assistant professor Qualification: M.Tech Teaching Experience: 8 years Email-ID: Kiranvardhan5@gmail.com Contact No.: 9816658567</p> <p><u>Research Interests:</u> WIRELESS CHARGING , SOLAR TECHNOLOGY</p>
About Your self	<p>My name is Kiran , and I am an Assistant Professor with a strong passion for teaching and mentoring students. I am dedicated to fostering a deep understanding of concepts through practical learning and interactive teaching methods. I believe in inspiring students to think critically, innovate, and apply their knowledge to real-world challenges. My goal as an educator is to create a positive and engaging learning environment that helps students grow academically and personally.</p>
Education	M TECH in Electrical Engg.
Publications	Kiran kumara, "Dynamic wireless power transfer device charging app for EV simulation outcome", Goya journal, volume 18,issue 02,02-2025.
Courses handled:	Electrical Machine Building electrification Energy management Electrical testing & commissions
Additional responsibilities	Culture actives, MENOTOR Sports

	<p>Name: Pankaj Verma Designation: Assistant professor Qualification: Currently pursuing Ph.D on leave (Lien IIT Mandi iHUB) Teaching Experience: 10 years Email id: pankaj10428@gmail.com Contact No.: 9459046432</p> <p><u>Research Interests:</u> Power Electronics and Drives, Digital Control, MATLAB with DSP Interface, MATLAB with Arduino Interface.</p>
About Your self	<p>My name is Pankaj Verma, I am an educator at TRAMIET. My teaching philosophy is rooted in the belief that education is a collaborative journey of discovery. I strive to move beyond the transmission of knowledge to create a dynamic classroom where students develop critical thinking, articulate communication, and a lifelong passion for learning.</p>
Education	<p>M.E. in Electrical Engineering</p>
Publications	<ol style="list-style-type: none"> 1. Niranjan Prasad Gupta , Amandeep sharma , Lini Mathew, Pankaj Verma , A Stator Condition Assessment in Three Phase Induction Motor using Inrush Current Analysis, in “ 47th MID-Term Symposium on modern information and communication technologies for digital India” April 2016. 2. Ravi Kumar Anand, Kartar Singh, Pankaj Verma, Ashish Thakur, Design of Area and Power Efficient Half Adder using Transmission Gate , in “ International Journal of Research in Engineering and Technology”, Vol.4 , No.4 April 2015. 3. Sharma, P. Verma, L. Mathew and S. Chatterji, "Using Motor Current Analysis for Broken Rotor Bar Fault Detection in Rotary Machines," 2018 3rd International Conference on Communication and Electronics Systems (ICCES), Coimbatore, India, 2018, pp. 329-334, doi: 10.1109/CESYS.2018.8724071. 4. Sharma, A., Verma, P., Choudhary, A., Mathew, L., Chatterji, S. (2021). Application of Wavelet Analysis in Condition Monitoring of Induction Motors. In: Pandey, V.C., Pandey, P.M., Garg, S.K. (eds) Advances in Electromechanical Technologies. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-15-5463-6_71 5. Verma, P., Sharma, K., Mahajan, A., & Sharma, R. (2024). Forest fire mitigation by social economic development of local communities using pine needle as potential fuel. <i>International Journal of Environment and Waste Management</i>, 33(1), 57–67. https://doi.org/10.1504/IJEWM.2024.138887 6. P. Verma, H. Misra and B. Singh Rajpurohit, "Detection Study of Static Eccentricity and Demagnetization Faults in IPMSM," 2023 IEEE IAS Global Conference on Renewable Energy and Hydrogen Technologies (GlobConHT), Male, Maldives, 2023, pp. 1-6, doi: 10.1109/GlobConHT56829.2023.10087871. 7. P. Verma, H. Misra and B. Singh Rajpurohit, "Design and Analysis of Interior PMSM for Low Power EV Applications in Hilly Terrain," 2022 IEEE 10th

	<p><i>Power India International Conference (PIICON)</i>, New Delhi, India, 2022, pp. 1-6, doi: 10.1109/PIICON56320.2022.10045199.</p> <p>8. Verma, P., Sharma, A., & Mathew, L. Detection of Bearing Faults in Rotary Machine using Vibration Signatures. International Journal of Control Theory and Applications, 9 (10), (2016) 453, 461.</p>
Courses handled:	<p>Power electronics</p> <p>Digital signal processing</p> <p>MATLAB Simulink</p> <p>Digital electronics</p> <p>Transmission & Distribution of electrical power</p>
Additional responsibilities	HOD Electrical department