

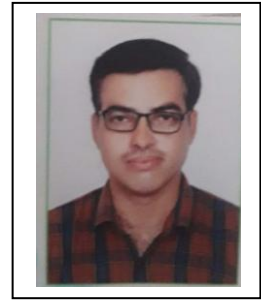
## **Biodata**

**Name:** Puneet Chawla

**Father's Name:** Sh. Sham Lal Chawla

**Designation:** Associate Professor (Electrical Engg.)

Head of Department, Electrical Engg.



### **Qualifications:**

B. Tech. (Electrical Engg.) with 75.07% marks from Guru Teg Bahadur Khalsa Institute of Engg. & Tech., Chhapianwali (Malout) affiliated to Punjab Technical University, Jalandhar in 2004

Master of Engg. (Instrumentation & Control) (With Distinction) with 83.3% marks from NITTTR Chandigarh affiliated to Panjab University, Chandigarh in 2015.

### **Area of Interest:**

Electrical Machines

Computer Methods in Power System

Electrical Machines Design

Power System

Fields and Waves

Power Electronics & Drives

### **Experience:**

Teaching: 16 Years

Research: 06 Years

### **List of Publications in International/ National Journals: (with complete detail):**

- [1] Puneet Chawla, Heena Garg, Rajni Bala, "Load Frequency Control of Single Area Thermal Power System using Integral and Fuzzy Logic Controller", International Journal of Engineering, Technology, Management & Applied Sciences, Volume-2, Issue-3, August, 2014.
- [2] Puneet Chawla, Heena Garg, Rajni Bala, "Improvement in Power Quality by Dynamic Voltage Restorer using Hysteresis Controller", International Journal of Engineering, Technology, Management & Applied Sciences, Volume-2, Issue-4, September, 2014.
- [3] Puneet Chawla, Heena Garg, Rajni Bala, "Energy Conservation- Necessity & its scope", International Journal of Engineering, Technology, Management & Applied Sciences, Volume-2, Issue-7, December, 2014.

- [4] Ritula Thakur & Puneet Chawla, "High Voltage Distribution System (HVDS)- An Alternate for Improvement of Voltage Drop Profile", International Journal of Engineering, Technology, Management & Applied Sciences, Volume-3, Issue-1, January, 2015.
- [5] Ritula Thakur & Puneet Chawla, "High Voltage Distribution System (HVDS)- An Alternate for Improvement of Voltage Drop Profile", International Journal of Innovative Science and Modern Engineering (IJISME), Volume-3, Issue-3, February, 2015.
- [6] Ritula Thakur & Puneet Chawla, "Distributed Generation-Scope, Major Issues & Voltage Profile Improvement", International Journal of Engineering, Technology, Management & Applied Sciences, Volume-3, Issue-2, February, 2015.
- [7] Puneet Chawla, Rajni Bala, "Existence of Electrical Pollution", International Journal of Electronics, Electrical & Computational System, Volume 4, Special Issue, May, 2015.
- [8] Ritula Thakur & Puneet Chawla, "High Temperature Superconducting Techniques and its Applications", International Journal of Engineering, Technology, Management & Applied Sciences, Volume-3, Issue-5, May, 2015.
- [9] Puneet Chawla & Priya Dhuria, "Role of HTS Materials in Electrical Power Transmission & Distribution Sectors for Energy Conservation", International Journal of Recent Technologies in Mechanical & Electrical Engineering, Volume-2, Issue-6, June, 2015 (**Impact Factor= 2.084**).
- [10] Ritula Thakur & Puneet Chawla, "Design of Urban Distribution Feeders for Voltage Profile Improvements & Distribution Losses Reduction", International Journal of Recent Technologies in Mechanical & Electrical Engineering, Volume-2, Issue-8, August, 2015 (**Impact Factor= 2.084**).
- [11] Ritula Thakur & Puneet Chawla, "Calculative Analysis of 11kV Distribution Feeder", International Journal of Recent Technologies in Mechanical & Electrical Engineering, Volume-2, Issue-8, August, 2015 (**Impact Factor= 2.084**).
- [12] Ritula Thakur & Puneet Chawla, "Design of Urban Distribution Feeders for Voltage Profile Improvement & Distribution Losses Reduction", International Journal of Recent Technologies in Mechanical & Electrical Engineering, Volume-2, Issue-9, September, 2015 (**Impact Factor= 2.084**).
- [13] Puneet Chawla & Saruti Arya, "Optimal Placement technique for Distributed Generation using Cloud Computing- A Theoretical Approach", IJETSR, November, 2015.
- [14] Puneet Chawla & Saruti Arya, "Optimal Placement technique for Distributed Generation using Cloud Computing- A Theoretical Approach", International Journal of Advanced Technology in Engineering and Science, Volume 3, Special Issue- 01, November 2015 (**Impact Factor= 2.870**).
- [15] Ritula Thakur & Puneet Chawla, "Reduction in GHGs Effects and Emission possible by Energy Efficient HTSs", International Journal of Engineering Technology, Management and Applied Sciences, Volume 3, Issue 12, December 2015.

- [16] Ritula Thakur & Puneet Chawla, “Electric and Magnetic Field Management Methods for Energy Management”, International Journal on Recent Technologies in Mechanical and Electrical Engineering, Volume 3, Issue 1, January 2016 (**Impact Factor= 2.084**).
- [17] Puneet Chawla, “Reduction in Power Losses by HVDS in Urban Distribution Feeder- A Case Study”, International Journal of Electronics, Electrical and Computational System (IJEECS), Volume 5, Issue 6, June 2016 (**Impact Factor= 2.04**).
- [18] Puneet Chawla, T. R. Mudgal, Sanjay Dahiya, Ved Parkash, “Electric & Magnetic Field Management”, International Journal of Advanced Technology in Engineering and Science, Volume 4, Issue 08, August, 2016 (**Impact Factor= 2.870**).
- [19] Puneet Chawla, “Performance Analysis of 11KV Industrial Distribution Feeder with Calculation of Capacitor Bank”, International Journal of Electronics, Electrical and Computational System (IJEECS), September 2016 (**Impact Factor= 2.04**).
- [20] Puneet Chawla, “Case Study of Analytical Performance of 11KV Urban Distribution Feeder”, International Journal of Innovations in Engineering & Technology (IJJET), Thomson Reuters ResearcherID Indexed Journal, December, 2016 (**Impact Factor= 0.672**).
- [21] Puneet Chawla, T.R. Mudgal, Sanjay Dahiya, Ved Parkash, “Computational Application of Environmental Magnetism in study of Environmental Changes at Navlakhi, Gulf of Kuch”, International Journal of Advance Research in Science and Engineering, Volume-06, Special Issue no.-01, Nov. 2017 ICRISAEM-17 (**Impact factor = 2.83**).
- [22] Puneet Chawla, Priya Dhuria, “Declining Electrical Problems via Nanotechnology” Journal of Multidisciplinary Engineering Technologies, Volume 11, Issue 2, BhartiVidyapeeth, Noida January, 2018.
- [23] Puneet Chawla, Anand Gorsli, Abhinav Kumar, Deepak Gupta, Mukund Murari “A Survey of Power Transmission Towers Configurations in Haryana State”, IJRECE, Vol. 6, Issue 2, April-June, 2018

#### **List of Full Paper Accepted in International Journals**

- [1] Ritula Thakur & Puneet Chawla, “Analysis and Implementation of HVDS in 11kV Distribution Feeder”, International Journal of Engineering and Advanced Technology (IJEAT), accepted in April, 2016 (**Impact Factor= 2.870**).

#### **List of Presentations in International/ National Conferences (with complete detail):**

- [1] Puneet Chawla, Vandana Mittal, “Energy Conservation- Need of the Hour”, National Conference on “ Futuristic Trends in Engineering & Technology (FTET-08)”, Jan Nayak Ch. Devi Lal Memorial College of Engg, Sirsa, January, 28-29, 2008.

- [2] Puneet Chawla, Vandana Mittal, “Energy Conservation- Need of the Hour (Based upon Energy Saving by Compact Fluorescent Lamp)”, National Conference on “Advances in Power System and Energy Management”, Chitkara Institute of Engineering & Technology, Rajpura, Punjab, March, 1-2, 2008.
- [3] Puneet Chawla, Heena Garg, Rajni Bala, “Electric Drives- Basic Need of the Hour (Energy Conservation Devices)”, DAV National Congress on Science, Technology & Management”, DAV Institute of Engg. & Tech. Jalandhar, November, 2014.
- [4] Puneet Chawla, Heena Garg, Rajni Bala, “Energy Management-Essentials and its Scope”, National Seminar on Recent Advancements in Management, Commerce, Education & Engineering Outlook-2015”, JCD Institute of Business Management, Sirsa, January, 2015.
- [5] Puneet Chawla, Sanjay Charya, Hirdey Singh, Rinku, “High Voltage Distribution System (HVDS)- An Alternate for Improvement of Voltage Drop Profile”, 6<sup>th</sup> National Conference on Engineering, Management and Apparel & Textile Technology (Colloquim-2015), Galaxy Global Group of Institutions, February, 2015..
- [6] Puneet Chawla, Rajni Bala, “Existence of Electrical Pollution”, International Conference on Recent Development in Engineering, Science & Management, YMCA, Connaught Place, 1, Jai Singh Road, New Delhi, May, 2015.
- [7] Ritula Thakur & Puneet Chawla, “Voltage Drop Calculations & Design of Urban Distribution Feeders for losses reduction”, National Conference (IDCEME’15), Gokaraju Rangaraju Institute of Engineering and Technology, Nizampet Road, Bachupally, Kukatpally, Hyderabad-500090.
- [8] Puneet Chawla & Saruti Arya, “Optimal Placement technique for Distributed Generation using Cloud Computing- A Theoretical Approach”, International Conference on Latest Trends in Engineering Science and Management, 22<sup>nd</sup>, November 2015.
- [9] Puneet Chawla & Saruti Arya, “Optimal Placement technique for Distributed Generation using Cloud Computing- A Theoretical Approach”, International Conference on Technologies for Sustainability-Engineering, Information Technology, Management and Environment (SUSTECH-15), DAV Institute of Management, Faridabad, 28<sup>th</sup> November, 2015.
- [10] Puneet Chawla & Priya Dhuria, “Cloud Computing-A Survey on implementation in various sectors of Country”, National Conference on Changing Dimensions of Research in Commerce in the New Global Era (CDRC-2016), Chaudhary Devi Lal University, Sirsa, March, 2016.
- [11] Puneet Chawla, “Reduction in Power Losses by HVDS in Urban Distribution Feeder- A Case Study”, International Conference on Recent Innovation in Science, Technology and Management (ICRISTM-16), Indian Federation of United Nations Associations, New Delhi, 12<sup>th</sup> June, 2016.

- [12] Puneet Chawla, T. R. Mudgal, Sanjay Dahiya, Ved Parkash, “Electric & Magnetic Field Management”, International Conference on Recent Innovations in Sciences, Management, Education and Technology, JCD Memorial College, Barnala Road. Sirsa, 27<sup>th</sup>, August, 2016.
- [13] Puneet Chawla, “Performance Analysis of 11KV Industrial Distribution Feeder with Calculation of Capacitor Bank”, 3<sup>rd</sup> International Conference on Recent Innovation in Science, Technology and Management, Indian Federation of United Nations Associations, New Delhi, 18<sup>th</sup> September, 2016.
- [14] Puneet Chawla Dr. Sanjay Dahiya, Dr. T. R. Mudgal, Ved Parkash, “Minimising Infrastructure Cost through Cloud Computing”, National Seminar on Research in Education, Engineering, Science, Commerce and Management: Innovative Practices, Applications and Impact-2017, Jan Nayk Ch. Devi Lal PG College of Education, Barnala Road, Sirsa, 2<sup>nd</sup> March, 2017.
- [15] Puneet Chawla, T.R. Mudgal, Sanjay Dahiya, Ved Parkash, “Computational Application of Environmental Magnetism in study of Environmental Changes at Navlakhi, Gulf of Kuch”, International Conference on Recent Innovations in Science, Agriculture, Engineering and Management, University College of Computer Applications, Guru Kashi University, Bathinda, Punjab, 20<sup>th</sup> Nov., 2017.
- [16] Puneet Chawla, Anand Gors, Abhinav Kumar, Deepak Gupta, Mukund Murari “3<sup>rd</sup> International Conference on Innovative Trends in Engineering, Applied Science and Management (ICITEASM-2018), Osmania University Centre for International Programmes, Osmania University Campus, Hyderabad, Telangana State on 24 June, 2018.
- [17] Puneet Chawla, "Deregulation Power Systems and Smart Metering Techniques", JTA Multidisciplinary Conference (JTACON-2020) organized by the Jamia Teachers' Association (JTA), Jamia Millia Islamia, New Delhi from February, 16-18, 2020.
- [18] Puneet Chawla, T.R. Mudgal, Sanjay Dahiya, Ved Parkash, "Deregulation Power Systems and NB-IoT Enabled Smart Metering Performance", National Seminar on Exploring the New Era of Humanities, Commerce, Science and Technology: Issues and Challenges 2020, (ENEHCST-2020) held by Jan Nayak Ch. Devi Lal Memorial (PG) College, Sirsa on dated 20th February, 2020.

#### List of Full Paper Accepted in International Conferences

- [1] Ritula Thakur & Puneet Chawla, “Reduction in GHGs Effects and Emissions possible by Energy Efficient HTSrs”, 7<sup>th</sup> International Conference on Advances in Power Electronics and Instrumentation Engineering, PEIE-2016, February, 27-28, 2016, Jaipur (**Publication in McGraw-Hill Education**). .
- [2] Ritula Thakur & Puneet Chawla, “Implementation of HVDS in 11kV Urban Distribution Feeder- A case study”, 3<sup>rd</sup> International Conference on Electrical, Electronics, Engineering Trends, Communication, Optimization and Science (EEECOS), SASI Institute of Technology

and Engineering, Tadepalligudem, Andhra Pradesh, 1<sup>st</sup> -2<sup>nd</sup>, June, 2016, Accepted on April, 26, 2016 (**Submitted in IEEE Xplore Digital Library through IET Xplore Digital Library**).

### **Books Published:-**

- Book titled as “A Helpline for Course in Electrical Machine Design” ISBN No. 978-194523964-9 dated 04.06.2016 published by M/s. Enriched Publications Pvt. Ltd., New Delhi.

### **Awards:-**

- **Certificate of High Excellence** by Friendship Forum (Regd.) New Delhi for Outstanding Services Achievements in Education & Social Welfare and In Appreciation of Outstanding Dedication and Service to the Nation and Fight Against Noval Corona (COVID-19).
- **Bharat Excellence Award-2020** by Friendship Forum (Regd.) New Delhi on dated February, 09, 2020 for Outstanding and Extra-Ordinary Achievement in His Chosen Fields of Activity and Services Rendered to Promote Greater Friendship in Indi-International Co-operation.
- **Leading Educationist of India Award** by Friendship Forum (Regd.) New Delhi on dated February, 09, 2020 for Outstanding Individual Achievements & Distinguished Services to the Nation.
- **Certification of Appreciation as Teacher Innovation Award** by Sri Aurobindo Society and ZIIIEI on dated September, 30, 2019.
- **IARDO Young Scientist Award-2018** by International Association of Research and Development Organization (IARDO), Ghaziabad on dated October, 28, 2018.
- **Best Research Paper Award** for the research paper titled as “Electric & Magnetic Field Management” at International Conference on Recent Innovations in Sciences, Management, Education and Technology, JCD Memorial College, Barnala Road. Sirsa, 27<sup>th</sup>, August, 2016.

### **Members of Professional Bodies:-**

- Life membership of Indian Society of Technical Education (ISTE), New Delhi since 2008.
- Member of Editorial Board, A.R. Research Publications and Conference World for peer-review publications for the year 2016-2017.
  - (a) International Journal of Electrical & Electronics Engineering
  - (b) International Journal of Science Technology and Management
  - (c) International Journal of Advance Research in Science and Engineering
  - (d) International Journal of Advance Technology in Engineering & Sciences
  - (e) International Journal of Innovative Research in Science and Engineering
- Member of International Association of Engineers (IAENG)
- Member of Institute of Doctors, Engineers and Scientists (IDES).
- Registered with IEEE Power Electronics Society

### **Positions held in the Institute:**

- Head of Department, Electrical Engg. since September, 2016 to till date.
- Deputy Registrar since February, 2020 to till date.
- Officer-in-Charge, Outsourcing since July, 2019 to till date
- Officer-in-Charge, Electricity matters of the Institute since September, 2016 to till date.

- Officer-in-Charge, Electrical Engg. Department from 24.01.14 to June, 2014.
- Mentor of Students of Electrical Engg. Department till date.
- Officer-in-Charge, Administration from February, 2008 to June, 2014 and September, 2016 to July, 2019
- Officer-in-Charge, Cultural Activities of the Institute for various Institute, District, University, Zonal level.
- Member, Selection Committee for Sports activities.
- Organized Intra-College Sports Meet-2017 in March, 2017.
- Asstt. Coordinator for ICT based Short term programme of duration 05.12.2016 to 09.12.2016.
- Chairman, Admission Committee, 2006-07 (**1<sup>st</sup> Online Admissions in State**)
- Member, Admission Committee for academic year 2017-18, 2018-19, 2019-20 and 2020-21.
- Officer-in-Charge, Academics from June, 2006 to February, 2008.
- Staff Coordinator, National Level Tech. Fest. Organized in the College in the year 2007.
- Warden (Boys Hostel) of the Institute from April, 2007 to November, 2008 and August, 2009 to June, 2014.
- Member, Advisory Committee, N.S.S. of the Institute from December, 2007 to the termination of N.S.S. unit of the College.
- Core Committee Coordinator, Intra-College Technical-cum-Cultural Fest. organized in the College in the year 2010.
- Core Committee Coordinator, Intra-College Technical-cum-Cultural Fest. organized in the College in the year 2011.
- Core Committee Coordinator, Intra-College Cultural Fest. organized in the College in the year 2012.
- Worked as Officer-in-Charge, Guest House of the Institute from May, 2009 to June, 2014.
- Worked as Officer-in-Charge (Court Cases) of the Institute from August, 2013 to June, 2014.
- Worked as State Public Information Officer (SPIO) of the Institute from 2010 to November, 2013.

### **Positions hold for the District Administration:**

- *District Master Trainer* for Polling during Vidhan Sabha Election, Haryana 2019.
- *District Master Trainer* for Electoral Verification Programme (EVP) for the year 2019.
- Performed the Duties as *Sector Magistrate* in Polling during General Elections to Parliament-2019 as well as General Elections to the Haryana Vidhan Sabha-2018.

### **Short-term Courses and Workshop attended:**

- National Workshop on Power Electronics (NWPE-2015) organized by Delhi Technological University, Delhi.
- ICT based 1 Week Short term course on *Communication Skills* organized by National Institute of Technical Teachers Training & Research (NITTTR), Sector-26, Chandigarh.
- ICT based 1 Week Short term course on *Cyber Crime & Forensic Tools* organized by National Institute of Technical Teachers Training & Research (NITTTR), Sector-26, Chandigarh.
- ICT based 1 Week Short term course on *Power Electronics for Renewable Energy Systems* organized by National Institute of Technical Teachers Training & Research (NITTTR), Sector-26, Chandigarh.
- ICT based 1 Week Short term course on *Multimedia Tools and Utilities* organized by National Institute of Technical Teachers Training & Research (NITTTR), Sector-26, Chandigarh.
- ICT based 2 Week Short term course on *Research Methodologies* organized by National Institute of Technical Teachers Training & Research (NITTTR), Sector-26, Chandigarh.
- ICT based 1 Week Short term course on *Embedded System Practices* organized by National Institute of Technical Teachers Training & Research (NITTTR), Sector-26, Chandigarh.
- ICT based 2 Weeks ISTE Short Term Training Programme on *Electric Power System* conducted by Indian Institute of Technology, Kharagpur.

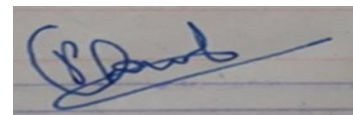
- ICT based 1 Week Short term course on *Strategic Management and SWOT Analysis for Institution Excellence* organized by National Institute of Technical Teachers Training & Research (NITTTR), Sector-26, Chandigarh.
- ICT based 1 Week Short term course on *Establishing and Management of Entrepreneurship Development Cells (EDCs) and Industry-Institute Partnership Cells (IIPCs) in Technical Institutions* organized by National Institute of Technical Teachers Training & Research (NITTTR), Sector-26, Chandigarh.
- 1 Week Short term Training Program on *Real-Time Simulation & applications in Power Electronics, Drives and Renewable Energy Systems* organized by National Institute of Technology, Kurukshetra.
- 3 Days Residential Training of Resource Persons for Centre of Excellence (CoE) conducted at M/s. Power Grid Corporation of India Ltd., PowerGrid Academy of Leadership (PAL), Manesar, Gurugram from 02.01.2019 to 04.01.2019.
- 12 Weeks Online MOOCs Course on Power System Engineering conducted by Indian Institute of Technology (IIT), Kharagpur from January-April, 2019.
- 1 Week Online AICTE Recognized Faculty Development Programme on *Entrepreneurship and Start-up Policies 2017* organized by National Institute of Technical Teachers Training & Research (NITTTR), Sector-26, Chandigarh.
- 1 Week Online AICTE Recognized Faculty Development Programme on *Social Entrepreneurship for Technical Enterprises* organized by National Institute of Technical Teachers Training & Research (NITTTR), Sector-26, Chandigarh.
- 1 Week Online AICTE Recognized Faculty Development Programme on *Evaluation & Setting of Question Papers* organized by National Institute of Technical Teachers Training & Research (NITTTR), Sector-26, Chandigarh.

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