

CURRICULUM VITAE

Name : Satish Kumar Kansal
Father's Name : Sh. Mange Ram Kansal
Date of Birth : 03-08-1970
Marital Status : Married
Present Address : Dr. Satish Kansal
Associate Professor & Head (Electrical Engg)
Baba Hira Singh Bhattal Institute of Engineering &
Technology, Sunam - Jakhal Road, Lehragaga,
Distt. Sangrur, Pin- 148031
(A Punjab Govt. Institute)
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Category : General

Academic Qualifications (Matric onwards):

S. No.	Degree / Exam Passed	Name of Board / University	College	Year of Passing	Percentage
1.	Matriculation	PSEB Mohali	Govt. High School Lehragaga	March 1986	69.55
2.	10+2 (Non-Medical)	PSEB Mohali	Govt. Sr. Sec. School Sangrur	March 1989	60.00
3.	3-Year Diploma In Electrical Engineering	HSTEB Chandigarh	Govt. Polytechnic Sirsa (HR)	June 1992	76.95 (With Honour)
4.	B.Tech. Electrical Engineering	Punjabi University Patiala	College of Engg. & Tech. Bathinda	June 1996	67.00
5.	M.E. Power System	Punjab University Chandigarh	Punjab Engineering College (PEC) Chandigarh	2005	61.33
6.	Ph.D. Electrical Engineering	Indian Institute of Technology, Roorkee	Indian Institute of Technology, Roorkee	January 2014	

Field of Specialization:

Power Systems, Distributed Generation, Renewable energy resources, and Optimization techniques.

Memberships of Organizations:

- Fellow of Institution of Engineers (IEI) India, F-118670-8
- Life Member of ISTE, LM-46023
- Senior Member of Institute of Research Engineers And Doctors, USA
M-SNM101000406
- Member of International Association of Engineers (IAENG), Hong-Kong,
M-142929
- Senior Member of The American Society for Research, R215020301

List of Previous Experience in Order (Most recent first)

S. No.	Name of the Employer	Position	Pay Scale	Nature of Work	Date of Joining	Date of Leaving
1.	Principal, Baba Hira Singh Bhattal Institute of Engg. & Tech. Lehragaga, Distt. Sangrur	Associate Professor	37400-67000/- with 9000/- AGP	Teaching, Research and Administration	25-08-2008	Till working
2.	Principal, Baba Hira Singh Bhattal Institute of Engg. & Tech. Lehragaga, Distt. Sangrur	Assistant Professor	12000-420-15300 (Pre-revised)	Teaching, Research and Administration	25-08-2005	Promoted to Associate Professor on 25-08-2008
3.	Director-Principal, Rayat Institute of Engineering & Information Technology, Railmajra (Nawasahar)	Assistant Professor	12000-420-15300	Teaching, and Administration	16-07-2001	24-08-2005
4.	Principal, I.I.T.T. College of Engineering Kala Amb (H.P)	Lecturer	8000-275-13500	Teaching	16-08-1999	15-07-2001
5.	Director, Chandigarh Cables Pvt. Limited, Chandalon (Ropar)	Electrical Engineer	5000/- Fixed	Electrical Maintenance	15-08-1998	15-08-1999
6.	M/s Srishti Constructions	Electrical Engineer	3000/- Fixed	Electrical Supervision	01-07-1996	14-05-1997

Administrative Experience:

- **Dean Research** at BHSBIET, Leharagaga from 2013 to till date.
- **Dean Welfare** in BHSBIET, Leharagaga from January 2019 to till date.

- **Controller of Examinations** from 16th July 2001 to December 2009 at RIEIT, Railmajra and BHSBIET, Lehragaga.)
- **Dean Academic Affairs** at RIEIT, Railmajra, and BHSBIET, Lehragaga.
- **Dean Welfare** in BHSBIET, Lehragaga from August 2006 to December 2009.
- **Deputy Registrar** in BHSBIET, Lehragaga from August 2005 to August 2006.
- **Head of Department** from August 1999 to December 2009 and 2014 to till date.

International Journals:

1. Mohan Kashyap, Satish Kansal, Rishabh Verma, "Sizing and Allocation of DGs in A Passive Distribution Network Under Various Loading Scenarios" International Journal of Electric Power Systems Research (Elsevier), vol. 209, April 2022, (SCI Indexed, Impact factor =3.414).
2. Shubham Sharma, Divesh Kumar and **Satish Kansal**, "Characterization of 12-Pulse Thyristor Rectifier in Series and Parallel Bridge Connection" STRAD RESEARCH, vol 7, issue 12, DECEMBER – 2020
3. Harjinderpal Singh, Divesh Kumar and **Satish Kansal**, "Harmonic analysis of Inverter used in High Voltage Direct Current Transmission System" STRAD RESEARCH, vol 7, issue 12, DECEMBER – 2020
4. Sarabjot Singh, Kanwardeep Singh, **Satish Kansal**, "Transmission Expansion Planning In LMP Based Electricity Market: A Comparison of DC and AC Approaches" International Journal of Scientific & Technology Research, vol. 9, Issue. 3, pp. 3089-3095, March 2020.
5. Divesh Kumar and **Satish Kansal**, "Optimal placement of distributed generation in distribution networks to reduce congestion" International Journal of Information Technology and Electrical Engineering, vol 8, no.5 (Accepted).
6. Divesh Kumar, **Satish Kansal**, Kanwardeep Singh, "Transmission Expansion Planning in LMP Based Electricity Market" *Wulfenia Journal*, Volume 27, Issue 3, accepted, Feb, 2020, (SCI Indexed, Impact factor =2.0).
7. Divesh Kumar and **Satish Kansal**, "Optimal Operating Strategy of DG in Distribution Systems: A Review," Distributed Generation and Alternative Energy Journal (Taylor & Francis Group). {Indexed in SCOPUS & UGC; Accepted & Publication in process}

8. Divesh Kumar and **Satish Kansal**, "Voltage Profile Enhancement of Distribution Networks using PSO approach," *Journal of Emerging Technologies and Innovative Research*, vol 6, issue 1, pp. 589-594, 2019 (UGC Approved).
9. Divesh Kumar and **Satish Kansal**, "Hybrid Approach for Placement of Multiple DGs in Primary Distribution Networks," *Asian Journal of Electrical Sciences*, vol 7, no.2, pp. 90-95, 2018 (UGC Approved).
10. Mohan Kashyap, **Satish Kansal**, "Optimal Installation of Multiple Type DGs Considering Constant, ZIP Load and Load Growth" *International Journal of Ambient Energy*, (Taylor & Francis), pp. 1-9, Sep 2018.
11. Kashyap Mohan, Satish Kansal, Raisa Kansal, "Optimal Placement of Multiple Type DGs in Radial Distribution System using Sensitivity based Approach" *International Journal of Electrical Engineering & Technology*, vol. 9, no.3, pp. 192-198, June 2018 (UGC Approved).
12. Kashyap Mohan, **Kansal Satish**, "Allocation of Distributed Generation Units in Power Systems: A Review", *Distributed Generation and Alternative Energy Journal* {Taylor & Francis Group (indexed in SCOPUS & UGC)}, Print ISSN: 2156-3306; Online ISSN: 2156-6550, Volume 33, Number 3, 2018. (Accepted & Publication in process).
13. Kashyap Mohan, Mittal Ankit, **Kansal Satish**, "Optimal Placement of Distributed Generation Using Genetic Algorithm Approach", *Lecture Notes in Electrical Engineering* {Springer Series Singapore (Indexed in SCOPUS & UGC); Impact Factor: 0.19}, 2018.
14. Kashyap Mohan, Chaudhary Anu, **Kansal Satish**, "Application of PSO Technique in Multiarea Automatic Generation Control", *Advances in Intelligent Systems and Computing* {Springer Series Singapore (Indexed in SCOPUS & UGC); Impact Factor: 0.49}, ISSN: 2194-5357, ISSN: 2194-5365 (electronic), ISBN: 978-981-10-1707-0, ISBN: 978-981-10-1708-7 (eBook), DOI: 10.1007/978-981-10-1708-7_9, Volume 479, Number 1, pp. 89-95, 2016
15. Divesh Kumar, Amritpal Singh, **Satish Kansal**, "To Improve the Voltage Profile of Distribution System with the Optimal Placement of Capacitor" *Indian Journal of Science and Technology*, vol. 10, no.31, August 2017, (UGC Approved).
16. **Satish Kansal**, Vishal Kumar, Barjeev Tyagi, "Hybrid approach for optimal placement of multiple DGs of multiple types in distribution networks" *International Journal of Electric power & Energy Systems (Elsevier)*, vol. 75, pp. 225-236, September 2015, (SCI Indexed, Impact factor >3.43).
17. **Satish Kansal**, Vishal Kumar, Barjeev Tyagi, "Integration of DG and Capacitor In Power Distribution Systems" *International Journal of Distributed Energy Resources and Smart Grids*, vol. 11, no. 2, pp.109-127, August 2015.

18. **Satish Kansal**, Vishal Kumar, Barjeev Tyagi, "Cost-Benefit analysis for Optimal DG Placement in Distribution Systems" *International Journal of Ambient Energy*, (Taylor & Francis) vol. 38, no.1, pp.45-54, 2017.
19. **Satish Kansal**, Vishal Kumar, Barjeev Tyagi, "Hybrid Approach for Placement of Type-III Multiple DGs in Distribution Network" *Journal of Electrical & Electronic Systems*, vol.3, no.3, August 2014.
20. **Satish Kansal**, K.D. Singh, Sarabjot Singh, "Optimal Placement of Synchronous Generator in distribution Networks" *International Journal of Advanced Computer Engineering and Communication Technology*, vol. 3, no. 1, pp. 24-29, 2014.
21. **Satish Kansal**, Vishal Kumar, Barjeev Tyagi, "Optimal placement of different type of DG sources in distribution networks" *International Journal of Electric power & Energy Systems (Elsevier)*, vol. 53, pp. 752-760, December 2013, (SCI Indexed, Impact factor =3.43).
22. **Satish Kansal**, B.B.R. Sai, Barjeev Tyagi, Vishal Kumar, "Optimal placement of Distributed Generation in distribution networks" *International Journal of Engineering, Science and Technology (IJEST)*, vol. 3, no. 3, pp. 47-55, April 2011.
23. Anu Chaudhary, Mohan Kashyap, **Satish Kansal**, "Automatic Generation Control - A Review" *International Journal of Scientific Research in Science, Engineering and Technology*, vol. 2, no. 2, pp. 81-84, April 2016.
24. Divesh Kumar, Amritpal Singh, **Satish Kansal**, "An Adaptive Approach to Positioning And Optimize Size of DG Source to Minimize Power Loss in Distribution Network" *International Journal of Engineering Research and Development*, vol. 12, Issue. 10, pp. 52-57, October 2016.
25. Mohan Kashyap, **Satish Kansal**, "Hybrid Approach for Congestion Management using Optimal Placement of DG" *International Journal of Ambient Energy*, (Taylor & Francis), vol. 39, Issue. 2, pp. 132-142, 2018.
26. Sharma Shivam, Kashyap Mohan, **Satish Kansal**, "Congestion Management in Deregulated Power Market – A Review", *International Journal of Computer Applications*, ISSN: 0975-8887, ISBN: 973-93-80892-68-3, Number 2, pp. 18-23, Sep. 2016.
27. Kashyap Mohan, **Satish Kansal**, "Reduction of Losses in Distribution Systems", *GRENZE International Journal of Engineering and Technology*, ISSN: 2395- 5295(Online); 2395-5287(Print), Grenze ID: 01.GIJET.3.1.F1, pp. 07-12, Jan. 2017.

Research Publications in International Conferences:

1. Satish Kansal, Divesh Kumar, "Allocation of Different Types of DG Sources in a Time Varying Radial Distribution Networks" Presented in 4th Springer International Conference on Cognitive Informatics & Soft Computing, (ICCISC- 2021), held on 21 - 22 August 2021 at Balasore College of Engineering & Technology, Balasore, Odisha.
2. Manoj Kumar Shrama, Karanbir Singh, **Satish Kansal**, "Performance Analysis of Photovoltaic-Grid Connected System for Electric Vehicle Charging" in International Conference on Recent Advances in Power Electronic and Derive held I Jaipur 2021.
3. Mohan Kashyap, **Satish Kansal**, "Reduction of Losses in Distribution System" 5th International Conference on Emerging Trends In Engineering & Technology (IETET-2016) on 4th - 5th November, 2016, at GMT, Kanipla, Kurukshetra, Haryana, India.
4. Divesh Kumar and **Satish Kansal**, "Optimal Allocation of multiple DGs and Capacitors in Distribution networks" Proceedings of 5th International Conference on Advancements in Engineering & Technology, BGIET Sangrur, March-2017
5. Kashyap Mohan, **Satish Kansal**, Mittal Ankit, "Integrating Distributed Generation into Electric Power Systems: Approaches and Options", 5th International Conference on Advancements in Engineering & Technology, BGIET, Sangrur, Punjab, ISBN: 978-81-924893-2-2, pp. 989-994, 24- 25 March 2017.
6. Mohan Kashyap, **Satish Kansal**, "Application of PSO Technique in Multiarea Automatic Generation Control" 1st International Conference on Intelligent Communication, Control and Devices, (ICICCD-2016)" held at University of Petroleum and Energy Studies, Dehradun (Uttarakhand), India on April 2-3, 2016.
7. Sharma, Mohan Kashyap, **Satish Kansal**, " Congestion management in deregulated power market – a review" 4th International Conference on Advancements in Engineering and Technology, (ICAET-2016)" held at BGIET Sangrur, ISBN No. 978-81-924893-1-5, pp. 1223- 1226, March 18 –19, 2016.
8. **Satish Kansal**, Mohan Kashyap, "Temperature Control in Transformer using Intelligent System", IEEE International Conference on Recent Advances in Engineering and Computational Sciences, UIET, Panjab University, Chandigarh (SCOPUS indexed as IEEE CONFERENCE PUBLICATION), ISBN: 978-1-4673-8253-3, DOI: 10.1109/RAECS.2015.7453322, 2015.

9. **Satish Kansal**, Rakesh K. Bansal, Divesh Kumar, "Allocation of Multiple DGs and Capacitors in Distribution Networks by PSO Approach" *Proceedings of 3rd International Conference on Advancements in Engineering & Technology*, BGIET Sangrur, 20-22 March 2015.
10. **Satish Kansal**, Navpreet Kaur, KD Singh, "Optimal Placement of Distributed Generator in Transmission System Using an Algorithmic Approach" *Proceedings of 6th IEEE India International conference on Power Electronics,(IICPE-2014)*, Department of Electrical Engineering, NIT Kurukshetra, 8 - 10 December 2014.
11. **Satish Kansal**, KD Singh, Sarabjot Singh, "Optimal Placement of Synchronous Generator in distribution Networks" *Proceedings of International Conference on Innovations in Electrical, Electronics and Computer Science Engineering (IEECSE-2014)*, held at Chandigarh, ISBN No. 978-3-643-24819-06 on at 22nd June, 2014.
12. **Satish Kansal**, Vishal Kumar, Barjeev Tyagi, "Multiple Distributed Generators Placement in Compensated Primary Distribution Networks" *Proceedings of International Conference Asia Smart Grid Electromobility 2013, (ASGE-2013)*, held at Sands Expo and Convention Centre on 29 - 30 October 2013, Singapore.
13. **Satish Kansal**, Vishal Kumar, Barjeev Tyagi, "Composite Active and Reactive Power Compensation of distribution networks" *Proceedings of 7th IEEE International conference on Industrial and Information Systems,(ICIIS-2012)*, Department of Electrical Engineering, IIT Madras, Chennai, 6 - 9 August 2012.
14. **Satish Kansal**, B.B.R.Sai, Barjeev Tyagi, Vishal Kumar "Optimal placement of Wind Based Generation in distribution networks" *Proceedings of International conference The IET Renewable Power Generation Conference 2011 (RPG 2011)* 6 - 8 September 2011, Edinburgh, United Kingdom.
15. **Satish Kansal**, Shavet Sharma, B.B.R. Sai, "Optimal placement and optimal sizing of distributed generation to improve the voltage profile in distribution system" *Proceedings of International conference on power system operation & control ICOPS'10* at GNEC, Ludhiana, pp. 253-260, 20-22, December-2010.
16. **Satish Kansal**, Vijayant Sharma, B.B.R. Sai, "Optimal placement and optimal sizing of distributed generation to reduce real power losses in primary distribution system" *Proceedings of International conference on power system operation & control ICOPS'10* at GNEC, Ludhiana, pp.404-409, 20-22, December-2010.

Research Publications in National Conferences:

1. Kashyap, Mohan, Kansal, Satish, Singh Jaswinder and Kansal, Raisa, "Hybrid Power Systems Based on Renewable Energies", A Multi-track National Conference (SLIETCON 2019) organized by SLIET, Longowal, Sangrur, Punjab at NITTTR, Chandigarh, pp. 283, 1-2 March 2019.
2. Kashyap Mohan, Kansal Satish, Kansal, Raisa, "Impact of ZIP load on Optimal Placement of Multiple Type DGs in Radial Distribution System", National Conference on Control Signal Processing and Energy Systems, BPPIMT, Kolkata, pp. 73-78, 16-18 Nov. 2018.
3. **Satish Kansal**, "Distributed Generation Impact on Distribution System" Proceedings of 3rd National Conference on Engineering Applications-2017, at St. Soldier IET & M Jalandhar, 9th September, 2017.
4. **Satish Kansal**, Divesh Kumar, "Voltage Profile Enhancement of Distribution Networks using PSO Approach" Proceedings of National Conference on Communication Computing & Systems (NCCCS 2015), SBSSTC Ferozepur, August 24-25, 2015
5. Mohan Kashyap, **Satish Kansal**, "New Solutions to Power Quality Problems" Proceedings of National Conference on Role of Information Technology in Management and Engineering: Issues & Prospects, held at MIMIT Malout, pp.66-70, vol. 1, ISBN No. 978-81-930840-2-3, on 27 - 28 March, 2015.
6. **Satish Kansal**, Kapil Goyal, "PSO Based Optimal Placement of DGs and Capacitors" Proceedings of National Conference on Renewable Power Technologies and Electric Derives, (RPTED-2013), held at Maharishi Markandeshwar University, Mullana, Ambala, Haryana on 19 - 20 December, 2013.
7. Kapil Goyal, **Satish Kansal**, "Selection of Thermal Power Plant Suppliers through Comprehensive Decision Making" Proceedings of National Conference on Renewable Power Technologies and Electric Derives, (RPTED-2013), held at Maharishi Markandeshwar University, Mullana, Ambala, Haryana on 19 - 20 December, 2013.
8. **Satish Kansal**, Vishal Kumar, Barjeev Tyagi, "Hybrid Approach for Placement of Multiple Distributed Generators in Distribution Network" Proceedings of 17th National Power Systems Conference, (NPSC-2012), Department of Electrical Engineering, IIT-BHU Varanasi, 12 - 14 December, 2012.
9. **Satish Kansal**, B.B.R.Sai, Barjeev Tyagi, Vishal Kumar "Optimal placement of Distributed Generation in distribution networks" *Proceedings of National conference on Recent advantages in electrical power and energy system management, (RAEPSM-2011), Paper ID 148 at M.M.M. Engineering College Gorakhpur (U.P.) on 25-26 March 2011.*

10. **Satish Kansal**, Shibe Vineet, Kumar Rakesh, "The Future Energy Source", Proceedings of *National Conference on Power Sector reforms and its scenario in India*, at Shaheed Udham Singh College of Engg. & Technology, Tangori, Punjab, pp. 100-103, 16th November 2007.
11. Shibe Vineet, **Satish Kansal**, Kumar Rakesh, "Sustainable and Environmentally Benign Transportation System", Proceedings of *National Conference on Power Sector reforms and its scenario in India*, at Shaheed Udham Singh College of Engg. & Technology, Tangori, Punjab, pp. 93-96, 16th November 2007.
12. **Satish Kansal**, "Reactive power management techniques through series capacitor improving power system stability" Proceedings of *National Conference on Power Systems & Energy Management* at Institute of Engineering & Technology, Bhaddal, Punjab, 23rd May 2003.

Innovation Patents:

An Invention patent on "A SMART HAND GLOVE FOR MONITORING BODY TEMPERATURE, BLOOD OXYGEN AND PULSE RATE" is granted by the Australian Government having Patent number: 2020103827 on 24th February 2021.

Books:

- Optimal Placement of Distributed Generation, Publisher: Lambert Academic Publishing, Heinrich-Bocking-Str. 6-8, 66121, Saarbrücken, Deutschland/Germany, and ISBN: 978-3-639-66274-4, 2014.
- Kashyap Mohan, Mittal Ankit and Kansal Satish, "Optimal Placement of Distributed Generation Using Genetic Algorithm Approach", **Lecture Notes in Electrical Engineering {Springer Science, Singapore (SCOPUS & UGC); Impact/ Cite Score: 0.28}**, Print ISBN: 978-981-10-8233-7, DOI: 10.1007/978-981-10-8234-4, Volume 476, Number 1, pp. 587-597, July 2018.
- Kashyap Mohan, Chaudhary Anu, Kansal Satish, "Application of PSO Technique in Multiarea Automatic Generation Control", Chapter in book "Advances in Intelligent Systems and Computing" {Springer Series Singapore}, ISSN: 2194-5357, ISBN: 978-981-10-1707-0, DOI: 10.1007/978-981-10-1708-7_9, Vol 479, No. 1, pp. 89-95, 2016.

Details of Thesis/ Dissertations Supervised

PhD Supervision

1. **Mohan Kasyap** (Registration No. 1504001) on "Integration of Distributed Generation in Power System Networks" Completed on 9th July 2019.
2. **Divesh Kumar** (Registration No. 1404015) on "Optimal Planning of Distributed Generation Systems" Completed on 10th May 2021.
3. **Anil Kumar** (Provisional Registration No. 1504002) on "Improved Particle Filter Based Real Time State Estimation of Power System Parameters Using Phasor Measurement Units" under progress.

M.E. Level

1. Optimal placement of DG to reduce real power losses and improve the voltage profile of the primary distribution system- Vijayant Sharma, July-2011.
2. Voltage stability analysis of distribution system using MATLAB- Shavet Sharma, July-2011.
3. Allocation of Multiple DGs and Capacitors in Distribution Networks by PSO Approach-Rakesh Kumar Bansal, 2015.
4. Voltage Profile Improvement of distribution system- Amritpal Singh, March-2017
5. Roll of DVR in Multilevel Convertor for Solar PV Grid Tied Systems- Ravinder Singh, July-2017.

Invited Talk/ Expert Lecture/ Session Chaired

1. Keynote Speaker and Chaired a Technical Session in 6th International Conference on Advancements in Engineering & Technology (ICAET-2018) on 23rd and 24th February 2018 at BGIET, Sangrur
2. Expert lecture delivered on "Computer Aided Design of Electrical Devices" in One week faculty development programme organized by NITTTR Chandigarh on "Computer Aided Manufacturing" from 12th to 16th February, 2018 at BHSBIET, Lehragaga.
3. Expert lecture delivered on "Distributed System Planning" in QIP Sponsored One Week STC on Emerging Technologies and Advancements in Energy

Sector, organized by Department of Electrical Engineering, GNDEC Ludhiana from 27th Nov. 2017 to 1st Dec. 2017.

4. Expert lecture delivered on “Good Learning Better Teaching” in two day faculty development programme organized by Vidya Rattan Group of Colleges Khokhar on 18th January 2017.
5. Keynote Speaker and Chaired a Technical Session in 5th International Conference on Advancements in Engineering & technology (ICAET-2017) on 25th March 2017 at BGIET, Sangrur.
6. Chaired a Technical Session in 5th International Conference on Emerging Trends In Engineering & Technology (IETET-2016) on 5th November, 2016, at GIMT, Kanipla, Kurukshetra, Haryana, India.
7. Chaired a Technical Session III in the National Conference on "3rd DAV National Congress on Science, Technology, Engineering, Humanities & Management, held at DAVIET Jalandhar, on May 20-21, 2016.
8. Expert lecture delivered on “Distributed Generation Planning” at CT Institutes of Engineering, Management and Technology, Jalandhar, in one day workshop on " Era of Soft commutation: Emergence and Applications in Electrical and Electronics Engineering" on 15 July 2015.
9. Invitation for Expert Lecture in Session-5, Fuel Cells in 5th International Symposium on Energy Challenges & Mechanics (ISECM) on 10-14 July 2016. Inverness, Scotland, United Kingdom.
10. Chaired a Technical Session III in the National Conference on " Role of Information Technology in Management and Engineering: Issues & Prospects, held at MIMIT Malout, on 27 - 28 March, 2015.
11. Expert lecture delivered on “Analysis and Design of Photovoltaic type DG in Distribution Networks” in one week faculty development programme organized by NITTTR Chandigarh on “Alternate Energy Resources- Challenges and Opportunities” from 2nd to 6th June, 2014 at BHSBIET, Lehragaga.
12. Expert lecture delivered on “Power System Analysis” at Baba Farid College of Engineering & Technology Muktsar Road, Bathinda on 6th October 2014.
13. Expert lecture delivered on “Computer Aided Design” in one week faculty development programme organized by NITTTR Chandigarh at from 19th March to 23rd March 2015 at BHSBIET, Lehragaga.

Short term courses/Training:

- Attended the Ministry of Power, Govt. of India Sponsored two day Master ToT programme on “AMI System Design and Role Program Management” from 06 & 07th July 2022 Organized by National Power Training Faridabad.
- Attended the Ministry of Power, Govt. of India Sponsored two day Master ToT programme on “Introduction of AMI and Role of AMI in Reducing AT&C Losses” from 24 & 25th February 2022 Organized by National Power Training Faridabad.
- Attended the AICTE-IKGPTU Sponsored National Level faculty development programme on “Applications of Computing Techniques in Sustainable Energy Systems” from 15th June – 20th June 2022 at I.K. Gujral Punjab Technical University, Kapurthala
- Attended the AICTE-IKGPTU Sponsored National Level faculty development programme on “Current Trends in Green Energy & Power System” from 3rd June – 8th June 2022 at I.K. Gujral Punjab Technical University, Kapurthala.
- Attended the NBA awareness Webinar on “Outcome Based Education and Accreditation on 09th December 2020, jointly organized by NBA, New Delhi, I.K. Gujral Punjab Technical University, Kapurthala and Maharaja Ranjit Singh Punjab Technical University, Bathinda, Punjab.
- Attended One Day Webinar on “Fuel Cell Technology for Sustainable Development* on 2nd October, 2020 organized by University of Lahore, Pakistan.
- Attended One Day Webinar on “Students Internship Program Powered by Spoken Tutorials IIT Bombay (10th June, 2020) organized by Department of Training & Placement, Sri Sai Group of Institutes, Badhiani-Pathankot.
- Attended One Day Webinar on “Power of Professional Networking & Volunteering” held on 9th June, 2020 (Tuesday) organized by Department of Electrical Engineering, Central University of Haryana, Mahendergarh, .
- Attended One Day Webinar on “DCS and It’s Application to Power Sector” Held on 24th May, 2020 (Sunday) organized by Department of Electrical Engineering, Central University of Haryana, Mahendergarh, .

- Attended One Day Webinar on “Quadrants of MOOCs & E-Content Development (09th June, 2020) organized by Department of Computer Science & Engineering, Sri Sai Group of Institutes, Badhani-Pathankot.
- Attended One Day Webinar on “Effective ways to present your Research” (10th June, 2020) organized by Department of Pharmacy, Sri Sai Group of Institutes, Badhani-Pathankot.
- Attended One Day Webinar on “NEED OF IOT FOR MODERN ELECTRICAL ENGINEER” organized by Department of Electrical and Electronics Engineering, SRM Institute of Science and Technology, Chennai on 21/05/2020.
- Attended one week online Faculty Development Program on “Control Applications of Renewable Energy Systems - Recent Trends and Future Aspects" organized by the Department of Electrical, Electronics and Communication Engineering, Invertis University, Bareilly, held during 22-27 June, 2020.
- Attended one week TEQIP-III sponsored online international short term course on “Microgrid Opportunity: Renewable Energy Resources and Buildings” organized by Department of Electrical Engineering, Dayalbagh Educational Institute, Dayalbagh, Agra, India, from 16-20 June 2020.
- Attended Two-week Faculty Development Program on Latex organized by Department of Computer Science & Engineering at Sri Sai College of Engineering & Technology, Badhani Pathankot in association with IIT Bombay Spoken Tutorial (An initiative of National Mission on Education through ICT, MHRD, Govt of India) from 30th March to 13th April 2020.
- Attended one week TEQIP-III sponsored ICT enabled Faculty Development Program on “Energy Conservation and Management” organized by Department of Electrical Engineering, GNDEC Ludhiana from 27th April to 1st May 2020.
- Attended the AICTE-NITTTR Chandigarh sponsored one week faculty development programme on “Operationalisation of NSQF, Community College and other skill Development Schemes of GOI through ICT” from 17th August to 21st August 2015 at Baba Hira Singh Bhattal Institute of Engineering & Technology, Lehragaga

- Attended the MHRD-NITTTR Chandigarh sponsored one week faculty development programme on “Computer Aided Design” from 19th March to 23rd March 2015 at Baba Hira Singh Bhattal Institute of Engineering & Technology, Lehragaga
- Attended the MHRD-NITTTR Chandigarh sponsored one week faculty development programme on “NSQF, Community College Scheme and other Skill Development Schemes of GOI” from 21st July to 25th July, 2014 at Baba Hira Singh Bhattal Institute of Engineering & Technology, Lehragaga
- Attended the MHRD-NITTTR Chandigarh sponsored one week faculty development programme on “Alternate Energy Resources-Challenges and Opportunities” from 02nd June to 6th June, 2014 at Baba Hira Singh Bhattal Institute of Engineering & Technology, Lehragaga
- Attended ICT based one week training programme on “Environmental and Management System” sponsored by NITTTR Chandigarh from 03rd March to 07th March, 2014 at Baba Hira Singh Bhattal Institute of Engineering & Technology, Lehragaga
- Attended the MHRD-NITTTR Chandigarh sponsored two week faculty development programme on “Sustainable Development in Present Indian Scenario” from 09th September to 20th September, 2013 at Baba Hira Singh Bhattal Institute of Engineering & Technology, Lehragaga
- Participated in Workshop Sponsored by MHRD on “GIS applications on Power Distribution Systems” at India International Center, New Delhi on 25th August 2012, organized by IIT Roorkee.
- Participated in Workshop on “Condition monitoring of Power Transformer and Sequential detection principles and applications during the 7th IEEE conference ICIIS-2012 held between 6-9 August in Electrical Engineering Department at IIT Madras, Chennai.
- Attended the MHRD-QIP Sponsored Short Term course on “Power Transformer: Trends in Design, Analysis, Protection and Condition Monitoring” from 4th June – 8th June’ 2012 conducted by IIT, Roorkee (Uttarakhand), at Quality Improvement Programme Centre IIT Roorkee.

- Attended the MHRD-AICTE Sponsored two week faculty development programme on “Life Long Learning” from 14th May – 26th May’2012 at Rayat and Bahra Institute of Hotel Management, Sahauran (Mohali).
- Attended the MHRD-QIP Sponsored Short Term course on “Digital Design Techniques: Applications to Control System” from 30th May - 3rd June’ 2011 conducted by IIT, Roorkee (Uttarakhand), at Quality Improvement Programme Centre IIT Roorkee.
- Attended the MHRD-AICTE Sponsored two week’s winter school on “Advances in image processing” from 12th January - 23rd January’2009 conducted by NITTTR, Chandigarh at Rayat and Bahra College of Engg. & Biotechnology, Sahauran (Mohali).
- Attended the MHRD-AICTE Sponsored Short Term Training programme on “Video-A Supplementary Tool in classroom Instruction” from 13th February - 15th February’2004 conducted by NITTTR, Chandigarh at Rayat Institute of Engg. & Information Technology, Railmajara (Ropar).
- Attended the one week’s ISTE Sponsored Workshop on “Human Values in Technical Education” from 22nd March - 26th March’ 2002 conducted at Institute of Engineering & Technology Bhaddal (Ropar).

Grants Sanctioned:

- International conference travel grant as per PTU/Reg/31027 dated 17/10/2011 of Rs. 43585/- in the year 2011 from Punjab Technical University Jalandhar.

Awards:

- **ISTE Section Best Teacher Award-2016, for Outstanding Achievement in the field of Technical Education and Research** from ISTE Section Annual Prize Distribution Ceremony hosted by Rayat Institute of Engineering and Information Technology, Railmajra, Near Ropar, on 4th November 2016.
- **Certificate of Appreciation** from Government of India, Ministry of Finance, Central Board of Direct Taxes for contribution of taxes towards Building of Great Nation.
- **ISTE Section Best Teacher Award-2015, for Academic Achievements and Meritorious Teaching** from ISTE Section Annual Prize Distribution

Ceremony hosted by Rayat Institute of Engineering and Information Technology, Railmajra, Near Ropar, on 5th November 2015.

- **Best Paper Award** the paper presented at National Conference RAEPSEM-2011 at MMMEC Gorakhpur (UP) on “**Optimal Placement of Distributed Generation in Distribution Networks**” held on 25-26 March 2011.
- **Bharat Jyoti Award** for **outstanding services, achievements and contributions in Academics** from India International Friendship Society, New Delhi for the year 2008.
- **Appreciation Certificate** from Sub-Division Magistrate Lehragaga for **excellent work on EVM** in Lok Shabha Election during 2007.
- **Appreciation Letter** from Baba Hira Singh Bhattal Institute of Engg. & Tech., Lehragaga, for **Adviser Admission Cell** during the year 2006-07.
- **Appreciation letter** from the Rayat Institute of Engineering & IT, Railmajra for getting **Three Increments** instead of regular one increment due to **excellent academic performance** during the year 2002-03.
- **Commendation Certificate** from Rayat Institute of Engineering & IT, Railmajra for **PTU Top Result** in Basic Electrical Engineering during the year 2002-03.

Achievements:

- Member of BOS (Electrical Engineering) of Guru Kashi University, Talwandi Sabo, Bathinda
- Expert as Evaluation of MODROB AICTE New Delhi.
- Expert as Evaluation Committee of NEAT Cell, AICTE New Delhi.
- Observer in National Testing Agency (NTA) examinations, New Delhi.
- Member of BOG of Baba Hira Singh Bhattal Institute of Engineering & Technology, Lehragaga.
- Member of BOS (Electrical Engineering) of Maharaja Ranjit Singh State Technical University, Bathinda.
- Member of BOS (Electrical & Electronics Engineering) of Maharaja Ranjit Singh State Technical University, Bathinda
- Expert of AICTE New-Delhi Committees.

- Appointed as Adjunct faculty in Electrical Engineering Department at Guru Nanak Dev Engineering College at Ludhiana w.e.f. 16-07-2020 initially for One Year.
- Chairman/Member of various affiliation committees of AICTE New Delhi, MRSPTU Bathinda and IKGPTU Jalandhar.
- Member of moderation committee to evaluate external question papers of Electrical Engineering department of GNDEC Ludhiana.
- Reviewer of IEEE Conference (IICPE), NIT Krukshatra held on 8-10, December 2014.
- Reviewer of International Journals.
- Expert of Technical Committees of International Conferences.
- Subject Expert of Various Selection Committees.
- Expert Lecturer delivered in various Seminars.
- Regular Evaluator of M. Tech Thesis of various Universities and Institutes.
- Regular paper setter of Himachal Pradesh University, Shimla, GNDU Amritsar, Jammu University, Jammu, Invertis University, Bareilly and PSBTE&IT, PU Chandigarh, etc.
- Flying Squad Officer of MRSPTU Bathinda, IKGPTU Jalandhar, and Punjab State Board of Technical Education & IT, Chandigarh, regular Examinations etc.

Recognition by:

- European Alliance for Innovations EAI
- Google Scholar Recognition for Citations
- Research Gate Citations

Dr. Satish Kansal