

GURU NANAK DEV UNIVERSITY REGIONAL CAMPUS, JALANDHAR

INTRODUCTION

COMPUTER SCIENCE AND ENGINEERING

Quality Education is our salient feature of the department. The department provides a well-designed course curriculum that helps students to assimilate the subject theoretically and practically. The computer labs of the department are well equipped with latest PCs supported with leased line based internet connectivity of 10Mbps. Moreover, the department is graced with distinguished and highly qualified faculty. For the practical exposure of the technology, students are encouraged by the department to take up projects in diverse areas related to computer science & engineering. The students of the department are also encouraged to participate in various co-scholastic activities to sharpen soft-skills and enrich their personalities. The students placed in a number of reputed companies are our achievement. The department has excellent campus recruitment for placements in prestigious companies. A number of Seminars, Talks, Tech Fest and Sports Meet are the major activities undertaken in 2017.

ELECTRONICS AND COMMUNICATION ENGINEERING

The department of Electronics and Communication Engineering was established in 2002. Department has been engaged in promoting undergraduate technical education in the fast growing field of electronics and communication since its inception. The establishment of the department marks an important milestone in the development of Technical Education in Doaba Region. The department is committed to develop itself in terms of academic input and infrastructural facilities. The department has been engaged in promoting technical education in the fast growing field of Electronics and Communication. The department provides a well designed course curriculum that facilitates a unique blend of theory and practical to help students assimilate the subject thoroughly. For the practical understanding and exposure of the technology, students are encouraged by the department to take up projects in diverse areas related to electronics and communication. The students of the department are also motivated to participate in various co-scholastic activities like mock campus interviews, group discussions, and seminars to hone soft-skills and enrich their personalities. The department has also been involved in research and offers Ph.D. programme in thrust areas like Wireless and Optical Communications, Biomedical Signal Processing, and nano-technology. The department has excellent campus recruitment for placements in prestigious companies

JOURNALISM & MASS COMMUNICATION

The department was conceived as a one-year postgraduate diploma course under Guru Nanak Dev University College at Basti Nau, Jalandhar, in 1989 with Mr. Kamlesh Singh Duggal as sole lecturer - incharge. In the same session, however, the diploma was converted into a one-year postgraduate degree, bjmc. It became a full-fledged department, with the addition of one-year mjmc. In 1997, Prof. Avinash Singh joined as head of the department. The department shifted to a rented building in model town and after a few months to urban estate, Jalandhar. In 2000, the university signed an mou with the local doaba college and the department functioned from the college for two years, 2000-2002, with Dr Singh Duggal as incharge. With the construction of the new regional campus at ladhewali, the department finally stepped on to a new phase in its development.

Courses available: M.A .-journalism & mass communication (two year semester system degree)

CBEGS Ph.D

Basic eligibility: Graduation/Post Graduation in any discipline with 50 % Marks for M.A.

Seats: 30

Infrastructure:

Since the courses involve practical training, the department has developed some infrastructure, which includes equipment like still cameras, TV, VCD, DVD, OHP, slide projector, LCD Multimedia Projectors, Music

System, Xerox Machine, Computers etc. The department has its own state of art audio-visual and still photography studio.

Syllabus:

The department has kept pace with other institutions in updating its syllabus as per ugc guidelines and the requirements of the market. Rather, it has been a pioneer in introducing subjects like corporate communication. In its two-year course, the syllabus covers a wide range of subjects like mass communication, media laws, history and ethics, advertising and public relations, media management, production techniques, communication research, development communication, international communication, film studies etc.

PUNJABI

Established in 1979 to fulfil the demand of Doaba region for quality education, the department of Punjabi since then is catering to the linguistic and literary needs of the people of this region and providing trained teachers to the local colleges. It is a matter of great pride and honour that most of the teachers working in local colleges are the product of this department. Started a new Self Finance Certificate Course in Punjabi Translation from the session 2018-19

LAWS

The Department of Laws was started in 1979 on the persistent demand of the area to meet the demand of lacking facilities for legal studies at Jalandhar in the Doaba Region. The Department is presently functioning in the Guru Nanak Dev University Regional Campus, Ladhewali, Jalandhar. The Department has a well equipped library with over 26,000 books and all reputed law reporters, journals, and recent periodicals. The Department is running the LL.B (TYC), B.A.,LL.B. (Hons.) FYIC and LL.M (One Year Course) regular course. The Department has also Ph.D regular/ Part-Time Ph.D programme.

FACULTY

COMPUTER SCIENCE AND ENGINEERING

Head: Jyoteesh Malhotra, Ph.D. (Professor)

Assistant Professor: Sheetal Kalra, Ph.D.; Pankaj Deep Kaur, Ph.D.; Neena Madan, M.Tech.;
Varinder Kaur Attri, M.Tech.

ELECTRONICS AND COMMUNICATION ENGINEERING

Head: Jyoteesh Malhotra, Ph.D. (Professor)

Assistant Professor: Deep Kamal Kaur Randhawa, Ph.D.; Manjit Singh, M.Tech.; Nitika Soni, M.Tech.;
Butta Singh, Ph.D.; Harminder Singh, Ph.D.; Himali Sarangal, M.Tech.;
Vinit Grewal, Ph.D.; Harmandar Kaur, M.Tech.

JOURNALISM & MASS COMMUNICATION

Head: Namarta Joshi, Ph.D. (Associate Professor)

Professor : Dr. Kamlesh Singh Duggal, Ph.D. (Re employed)

Assistant Professor : Charan Kamal Walia, Ph.D.

Assistant Professor (Part time): Savita; Shopita; Sukriti Bahuguna; Muskan Sharma

LAWS

Head: Pawan Kumar, PhD (Associate Professor)

Assistant Professor: Rupam Jagota, Ph.D.; Inderpreet Kaur Narang, LL.M; Varinder Singh,

Ph.D.;; Nirmala Devi, LL.M.;; Mona Goel, LL.M

Assistant Professor (Part time): Suruchi Kohli; Rattandeep Kaur; Pankajdeep Kaur; Ekta Nanda; Pallavi; Kajal; Dimple Sharma; Harleen Duggal; Anupama Mehta; Sukhraj Kaur; Simran Arrop; Jaspal Kaur; Ginni Sharma; Ritu; Kirandeep Kaur; Mandeep Kaur; Surinder Kumari; Anupriya.

PUNJABI

Head: Sukhvinder Singh, Ph.D. (Professor)

Assistant Professor: Satpreet Singh Jassal

ACHIEVEMENTS (FELLOWSHIP/HONOURS/AWARDS BY ACCREDITED/PROFESSIONAL BODIES)

COMPUTER SCIENCE AND ENGINEERING

1. College Team (Team name: Unity In Diversity) of 17 students under guidance of faculty members participated in NIT Jalandhar's fest *Panache* and won Second Position.

PAPERS PUBLISHED IN PEER REVIEWED JOURNALS

COMPUTER SCIENCE AND ENGINEERING

1. Saini, A. and Kaur, P.D., (2017) A Descriptive Study of Predictive Models of MERS-CoV Outbreak. International Journal of Advanced Research in Computer Science, vol. 8, No.5, ISSN No. 0976-5697. UGC Journal Number- 2503
2. Singh, P. and Kaur, P.D., (2017) Review on Data Mining Techniques for Prediction of Water Quality. International Journal of Advanced Research in Computer Science, vol. 8, No.5, ISSN No. 0976-5697. UGC Journal Number- 2503
3. Kaur, R. and Kaur, P.D., (2017) Review on Fall Detection Techniques based on Elder People. International Journal of Advanced Research in Computer Science, vol. 8, No.3, ISSN No. 0976-5697. UGC Journal Number- 2503
4. Kaur, R. and Kaur, P.D., (2017) A Review on Various IOT Analytics Techniques for Air Pollution Detection in Fog Computing. International Journal of Computer Applications, Vol. 169, No.2, e-ISSN No. 0975 – 8887. ISSN No. 2250-1797. UGC Journal Number-64190
5. Amar, S. and Kaur, P.D., (2017) A Review on Various IOT Analytics Techniques for Bridge Failure Detection in Fog Computing. International Journal of Computer Applications, Vol. 169, No.1, e-ISSN No. 0975 – 8887. ISSN No. 2250-1797. UGC Journal Number-64190
6. Verma, P., Sood, S.K., & Kalra, S. (2017). Smart computing based student performance evaluation framework for engineering education. Computer Applications in Engineering Education, 25(6), 977-991. Impact factor: 1.153
7. Verma, P., Sood, S.K., & Kalra, S. (2017). Cloud-centric IoT based student healthcare monitoring framework. Journal of Ambient Intelligence and Humanized Computing, 1-17, Impact factor: 1.423
8. Verma, P., Sood, S.K. & Kalra, S. (2017). Student career path recommendation in engineering stream based on three-dimensional model. Computer Application in Engineering Education, 25(4), 578-593, Impact factor. 1.1.53.
9. Dhillon, P.K., & Kalra, S. (2017). A lightweight biometrics based remote user authentication scheme for IoT services. Journal of Information Security and Applications, 34, 255-270.

10. Dhillon, P.K., & Kalra, S. (2017). Secure multi-factor remote user authentication scheme for Internet of Things environments. *International Journal of Communication Systems*, 30(16), e3323, Impact factor. 1.717.
11. Sharma, G., & Kalra, S. (2017). A secure remote user authentication scheme for smart cities e-governance applications. *Journal of Reliable Intelligent Environments*, Springer, 3(3), 177-188.
12. Aruna, Sheetal Kalra (2017). Review of Teaching Learning Based Optimization Algorithm. *Indian Journal of Computer Science and Engineering*, ISSN 2231-3850, 8(3), 2017.
13. Neena Madan, Kirandeep, "Improved ID3 Algorithm using Havrda & Charvat Entropy ", *International Journal for Scientific Research and Development*, Vol. 5, Issue 8, oct 2017 ISSN(online) 2321-0613.
14. Neena Madan, GurpreetVirdi, "Cluster Formation using K Means", *International Journal for Scientific Research and Development*, Vol. 5, Issue 8, oct 2017 ISSN(online) 2321-0613
15. Neena Madan, Surabhi Thapa, "Fuzzy Based DBSCAN Text Mining Technique for Malware Detection", *Research Paper in International Journal of Advanced Research in Computer Science*, Vol. 8, Issue 5, May2017 ISSN No 0976-5697.
16. Neena Madan, Kiranpreet Kaur, "Enhancing Performance in Terms Of Energy Consumption of Cluster Based Protocol by the use of Priority Queue", *International Journal on Recent and Innovation Trends in Computing and Communication*, Vol. 5, Issue 6, June 2017 pp.368-373 ISSN No 2321-8169.
17. Varinder Kaur Attri, Amandeep Kaur, "Enhancing Accuracy of Disease Prediction of KNN and Euclidean Distance using Hybrid Approach", *International Journal on Recent and Innovation Trends in Computing and Communication*, Vol. 5 Issue 06 , June 2017, Online ISSN:2321-8169.
18. Varinder Kaur Attri, Amandeep Kaur, "Review-Comparison of Heterogeneous Clustering Protocols of Wireless Sensor Network", *International Journal Computer Systems*, Vol. 4 Issue 06, June 2017, Online ISSN: 2394-1065.
19. Varinder Kaur Attri, Simranpreet Kaur, "Review on Radio Frequency Identification Techniques and their usage for secure IOT ",*International Journal of Advanced Research in Computer Science*, Vol. 8, No.4, May 2107.
20. Varinder Kaur Attri, Simranpreet Kaur, "Review on DNA based authentication techniques", *International Journal of Advanced Research in Computer Science*, Vol. 8, June 2017.
21. Varinder Kaur Attri, Amandeep Singh, "Performance Evaluation of Lane Detection Images based on Additive Hough Transform Algorithm", *International Journal of Advanced Research in Computer Science*, Vol. 8, No. 5, May-June 2017
22. Varinder Kaur Attri, Jaspreet Singh, "Review on Weighted Least Square Filter Based Pans Sharpening", *International Journal of Advanced Research in Computer Science*, Vol. 8, No 4, May 2017, pp-149-152.
23. Varinder Kaur Attri, Jaspreet Singh, "Performance Evaluation of Improved Weighted Least Square Filter using Fuzzy Logic based on Pans Sharpening", *International Journal of Computational Intelligence Research*, Vol. 13, No 5, 2017, pp-1333-1344.
24. Varinder Kaur Attri, Navdeep Singh, "Review on Image Based on Object Detection using Deep Belief Network", *International Journal of Advanced Research in Computer Science*,(0976-5697), Vol. 8, No 4, May 2017, pp-126-130.
25. Varinder Kaur Attri, Navdeep Singh, "Improved Fuzzy-c means, Deep Belief Networks and Morphological Operation in Object Segmentation", *International Journal of Computational Intelligence Research*,(0973-1873), Vol. 13, No 5, 2017, pp-981-99.
26. Varinder Kaur Attri, Jatinder Singh Bal, "Automated Software Size Estimation Method and Techniques :A Review" *Journal of Information Technology* vol. 6, No 4, Sep-Nov 2017, pp38-42

ELECTRONICS AND COMMUNICATION ENGINEERING

27. S. Rani, S.H. Ahmed, R. Talwar and Jyoteesh Malhotra “Can Sensors Collect Big Data? An Energy Efficient Big Data Gathering Algorithm for WSN,” IEEE Transactions on Industrial Informatics (ISSN: 1941-0050) Vol.13 No. 04 , pp.1961-1968, August 2017. [IF 6.764]
28. Kanupriya and Jyoteesh Malhotra “On the Selection of MAC Optimised Routing Protocol for VANET,” I.J. Information Technology and Computer Science (ISSN: 2074-9015) Vol.09 No. 02, pp. 30-37 Feb 2017.
29. Avneet Kaur and Jyoteesh Malhotra , “An Efficient and Compact Design of Coupled-Line Unequal Wilkinson Power Divider” International Journal of Wireless and Microwave Technologies, (ISSN: 2076-1449) Vol.07 No. 01 , pp.30-39, Jan 2017
30. S. Rani, S.H. Ahmed, Jyoteesh Malhotra and R. Talwar “Energy efficient chain based routing protocol for underwater wireless sensor networks,” Journal of Network and Computer Applications, Elsevier (ISSN: 1084-8045) Vol.92 No. 01 , pp.42-50, August 2017. [IF 3.500]
31. S. Rani, S.H. Ahmed, R. Talwar and Jyoteesh Malhotra “IoMT: A Reliable Cross Layer Protocol for Internet of Multimedia Things,” IEEE Internet of Things Journal (ISSN: 1551-9899) Vol.4 No. 03 , pp.832-839, June 2017 I.F 7.596
32. H. Singh and Jyoteesh Malhotra, “RF-MEMS-Based DPDT Switch on Silicon Substrate for Ku-Band Space-Borne Applications” Transactions on Electric and Electronic materials, (ISSN: 2092-7592) Vol. 18, No. 1, pp. 16-20, Feb 2017 [Scopus 2011-]
33. Himali Sarangal, A. Singh, Jyoteesh Malhotra, S. Chaudhary, “A cost effective 100 Gbps hybrid MDM–OCDMA–FSO transmission system under atmospheric turbulences” Optical and Quantum Electronics, Springer-US (ISSN: 0306-8919) Vol. 49, No. 5, pp. 184, April 2017 I.F 1.055
34. Avneet Kaur and Jyoteesh Malhotra , “An Efficient Design of a DC-Block Band Pass Filter for the L-Band” Transactions on Electrical and Electronic Materials, (ISSN: 2092-7592) Vol.18 No. 02 , pp.62-65, April 2017 [Scopus 2011-]
35. B.Jain. G. Brar, Jyoteesh Malhotra, “A Novel Approach for Smart Cities in Convergence to Wireless Sensor Networks” Sustainable Cities and Society, Elsevier (ISSN: 2210-6707) Vol.35, pp.440-448 August 2017 I.F 1.777
36. Himali Sarangal, A. Singh and Jyoteesh Malhotra, “Construction and Analysis of a Novel SAC-OCDMA System with EDW Coding using Direct Detection Technique” Journal of Optical Communications, Walter de Gruyter GmbH, Berlin/Boston, ISSN (Online) 2191-6322 [in Press] August 2017 [Scopus 1980-]
37. B. Jain. G. Brar, Jyoteesh Malhotra, S. Rani and Ahmad “A cross layer protocol for traffic management in Social Internet of Vehicles” Future Generation Computer Systems, Elsevier (ISSN: 2210-6707) [Accepted] August 2017 I.F 3.997
38. Pandey, A., Saini B.S., Singh, B., and Sood, N., (2017) An Integrated Approach Using Chaotic Map & Sample Value Difference Method for Electrocardiogram Steganography and OFDM Based Secured Patient Information Transmission, Journal of Medical Systems, 41(187), 1-20. (Springer Impact factor 2.098)
39. Simrandeep Singh Thapar, Himali Sarangal 2017. “Designing of Novel Security Based WDM-PON System By Using Broadband Light Source (BLS)”, International Journal of Advanced Research in Computer Science, Vol. 8, No. 9, pp. 1-5. Sep-Oct 2017. DOI:http://dx.doi.org/10.26483/ijarcs.v8i9.4683. (UGC)
40. Simrandeep Singh Thapar, Himali Sarangal 2017. “Development of a New SAC-OCDMA ZCC Code System Using DWDM For Enhancing User Capacity”, International Journal of Advanced Research in

Computer Science, Vol. 8, No. 9, pp. 1-5. Sep-Oct 2017. DOI:<http://dx.doi.org/10.26483/ijarcs.v8i9.4682>. (UGC)

41. Megha Kalgotra, Himali Sarangal, Simrandeep Singh Thapar 2017. "Cooperative Bait Detection Technique to Avoid Various Attacks by Malicious Nodes in MANET based on WMN - A Review", International Journal for Scientific Research & Development, Vol.5, No.4, pp:1026-1031
42. Priya Kaushal, Himali Sarangal, Simrandeep Singh Thapar 2017. "A Review on Topology Control in Cooperative Communication", International Journal for Scientific Research & Development, Vol.5, No. 4, pp:1184-1189.
43. Karanbir Singh, Himali Sarangal, Manjit Singh, Simrandeep Singh Thapar 2017 "Analysis of Pre-, Post-, and Symmetrical Dispersion Compensation Techniques using DCF on 40 X 10 Gbps WDM-PON System", International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS), Volume 6, No. 6, pp:163-167. June 2017
44. Sekhon, D.S., Kaur, H. (2017) Increasing the capacity of DWDM system using Add/drop multiplexers with Splitters and Couplers, International Journal of Future Generation Communication and Networking, Vol.10, No.12:1-10 ISSN No.22337857. (SCOPUS-INDEXING)
45. Singh, H. And Khosla, H. (2017) Comparative Evaluation of Performance of Cold Sprayed and Bare N06601 Superalloy in Medical Waste Incinerator at 900oC, Materials Chemistry and Physics, Vol. 200, NO. :57-69.
46. Manpreet and Grewal, V. (2017) QOS Parameter Analysis of UMTS Networks based on handovers. International Journal of Computer Applications 171(6):20-25.
47. S. Kaur, S.B. Narang and D.K. Randhawa (2017) Influence of the pore shape and dimension on the enhancement of thermoelectric performance of graphene nanoribbons, J Mater Res, Vol. 32, No. 6:1149-1159 ISSN No. 0884-2914, Impact Factor 1.5
48. S. Kaur, D.K. Randhawa and S.B. Narang (2017) Theoretical Investigation of Effect of Pore Size and Pore Passivation on the Thermoelectric Performance of Silicene Nanoribbons, J Mater Res, Vol 32, No. 18: 3485-3493 ISSN No. 0884-2914, Impact Factor 1.5

PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS

COMPUTER SCIENCE AND ENGINEERING

1. Sheetal Kalra, Geeta Sharma(2017) Robust Authentication Scheme based on Elliptic Curve Cryptography for Big Data applications, 5th International Conference on Advancements in Engineering and Technology, BGIET, Sangrur.

ELECTRONICS AND COMMUNICATION ENGINEERING

2. Pandey, A., Saini B.S., **Singh, B.**, and Sood, N., (2017) A Comparative Study on 1D & 2D ECG Data Compression Techniques, 3rd IEEE International Conference on Nanotechnology for Instrumentation & Measurement Workshop ,16th –17th November, pp. 354-358
3. Singh B., Midha A. "Applying Electrocardiogram as a Cover Signal to Hide Patient's Confidential Information: A Review" National Conference on Current Trends in Engineering, Management and Information Technology, CTITR, Jalandhar.

CHAPTERS PUBLISHED IN BOOKS

COMPUTER SCIENCE AND ENGINEERING

1. Chowdhary N., Kaur P.D. (2017) 'Increasing Route Availability in Internet of Vehicles Using Ant Colony Optimization' in Singh D., Raman B., Luhach A., Lingras P. (eds) Advanced Informatics for Computing Research. Communications in Computer and Information Science, Vol 712. Springer, Singapore, pp 318-331, ISBN: 978-981-10-5779-3.
2. Singh S., Kaur P.D. (2017) 'Social Media Trends and Prediction of Subjective Well-Being: A Literature Review.' in Bhatia S., Mishra K., Tiwari S., Singh V. (eds) Advances in Computer and Computational Sciences. Advances in Intelligent Systems and Computing, Vol 553. Springer, Singapore, pp 741-751, ISBN: 978-981-10-3769-6.

ELECTRONICS AND COMMUNICATION ENGINEERING

4. Pandey, A., Saini B.S., **Singh, B.**, and Sood, N., (2017) Nonlinear Complexity Sorting Approach for 2D ECG Data Compression, Computational Tools and Techniques for Biomedical Signal Processing, IGI Global, pages 1-21. (SCOPUS Indexed)
5. **Singh, B.**, Singh, M., Sharma, D., (2017) Chaotic Function Based ECG Encryption System, Handbook of Research on Healthcare Administration and Management , pages 205-221. (SCOPUS Indexed)
6. Pandey, A., Saini B.S., **Singh, B.**, and Sood, N., (2017), Analysis of Electrocardiogram Data Compression Techniques: A MATLAB-Based Approach Computational Tools and Techniques for Biomedical Signal Processing, IGI Global, pages 272-313. (SCOPUS Indexed)

LAWS

7. JagotaRupam, (2017) Legal Research Methodology (Edited), Dr. Manoj Kumar Sinha & Deepak Kharb, Lexus Nexus Butterworth, pages: 297-308, ISBN: 978-93-5035-942-6.
8. JagotaRupam, (2017) Gender Parity: An attempt at evolving strategies to accept the change, Dr. Tajinder Kaur & Dr. Shiva Satish Sharda (Edited), Virtual Realities & Emerging Inequalities: An Insight to challenges of Digital India, Bharti Publications, New Delhi, pages: 16-24, ISBN: 978-93-85000-37-9.

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9. Sangha, Sukhvinder Singh and Kulvinder Kaur. (2017) 'Agni KunD: bhashai sanrachna ate samasia' in Arvinder Kaur Dhaliwal (ed) Agni KunD: sarbpakki adhyan , Ravi Sahit Prakashan , Amritsar, pp 53-63. ISBN: 978-81-934263-5-7

PUBLISHED BOOKS

ELECTRONICS AND COMMUNICATION ENGINEERING

1. Singh, B. (2017) Computational Tools and Techniques for Biomedical Signal Processing, IGI Global, pages 415, ISBN13: 9781522506607, DOI: 10.4018/978-1-5225-0660-7. (SCOPUS Indexed)

CONFERENCES ATTENDED

LAWS

1. Dr. Rupam Jagota: Invited as a Resource person and Co-chaired the panel discussion at the FDP CUM workshop on Emerging Trends in GST & Corporate Legislation organised by the Deptt. Of commerce & Management, DAV College, Jalandhar on 25.03.2017.
2. Dr. Rupam Jagota: Invited as a Resource person by Guru Nanak College of Women, Nakodar and delivered a discourse on "Women's Rights & Challenges- Socio legal Perspective" on the International Women's Day, 08.03.2017.

3. Dr. Rupam Jagota: Invited as a Resource person at Mahatma Gandhi State Institute of Public Administration (MGSIOPA) Regional centre, Jalandhar to deliver a 2 hr lecture on “legal rights of Women & Children- International & National Aspect” to public functionaries on 2017.
4. Dr. Rupam Jagota: Invited as a Resource person to deliver a session to GO’S, DSP’S SSP’S at the MRRS Punjab Police Academy, Phillaur on “Protection of Children against Sexual Offences” on 2017.
5. Dr. Varinder Singh: Chaired a Session in National Conference on Agrarian Crisis in Punjab organised by GNDU College, Patti, 07-08 March, 2017.

PUNJABI

6. Attended a Symposium on Punjabi Grammar: Theory and Practice organized by Satiya Akademi and Guru Nanak Sikh Studies Punjab University Chandigarh on 24th January, 2017 at Chandigarh and also presented a paper on Punjabi Phonology: theory and practice.
7. Attended a Seminar on Punjabi Bhasha te Bhasha Vigyan at School of Punjabi Studies, Guru Nanak Dev University Amritsar on March 22, 2017 and also chaired an academic session.
8. Attended a Symposium on The Language of Punjabi Media on October 14, 2017 at Guru Nanak Dev University Regional Campus Jalandhar in collaboration with Sahitya Akademi New Delhi.

PAPERS PRESENTED IN CONFERENCES

ELECTRONICS AND COMMUNICATION ENGINEERING

1. Harmander Singh, ‘Fabrication of Cold Sprayed Coating for Waste Incinerator Conditions’, Presented in International Conference on Metallurgy Technology and Materials (ICMTM), 2017, organised by Institute of Research Engineers and Scientists.

PUNJABI

2. Paper 'Punjabi Phonology: theory and practice' presented in a Symposium on Punjabi Grammar: Theory and Practice organized by Satiya Akademi and Guru Nanak Sikh Studies Punjab University Chandigarh on 24th January, 2017 at Chandigarh.

ATTENDED WORKSHOPS/SEMINARS/SYMPOSIA/ ORIENTATION COURSES/REFRESHER COURSES

JOURNALISM & MASS COMMUNICATION

1. Dr. Charan Kamal Walia attended a Summer Program at HRDC, GNDU Amritsar from 16.6.2017 to 6.7.2017

LAWS

2. **Rupam Jagota:** Paper titled ‘Class conflicts: A Predicament of Dalit Women’s’ Struggle for social justice’ presented in National Seminar on Mainstreaming of Marginals in India: Issues and Challenges organised by UILS, Panjab University, Chandigarh, 6 May, 2017.
3. **Rupam Jagota:** Paper titled ‘Struggle for Equality amid class conflict: An Attempt at social justice’ presented in National Seminar on Dr. B.R. Ambedkar’s Vision and the Constitution of India organised by Dr. B.R. Ambedkar Centre, Panjab University, Chandigarh, 25 May, 2017.
4. **Rupam Jagota:** Paper titled ‘Gender Violence in Conflict Zones: A Globalized Strategy to Ensure Justice in India’ presented in National Seminar on Challenges to Human Security in 21st Century organised by Army Institute of Law, Mohali, 16 Sep, 2017.

5. **Rupam Jagota:** Paper titled 'Legal Dilemma of Feminist Sense of Justice: An Attempt at Redefining Gender Egalitarianism' presented in National Seminar on Gender Equality, Feminism in Contemporary India: Issues and Challenges organised by G.H.G Institute of Law for Women, Ludhiana, 11th November, 2017.
6. **Varinder Singh:** Paper titled 'Socio-Legal Impact of Agrarian Crisis in Punjab' presented in National Conference on Agrarian Crisis in Punjab organised by GNDU College, Patti, 07-08 March, 2017
7. **Varinder Singh:** Paper titled 'Cyber Terrorism: An Emerging Threat to India' presented in National Seminar on Implications of Science & Technology on Law and Society: The Emerging Trends organised by University Institute of Laws, PURC, Ludhiana, 27th October, 2017.
8. **Varinder Singh:** Paper titled 'Mediation as Benign of Settling Family Disputes' presented in International Conference on Mediation and Negotiation as Emerging Trend of Dispute Resolution Mechanism organised by UILS, Panjab University, Chandigarh, 12-13 November, 2017.
9. **Varinder Singh:** Paper titled 'Critical Evaluation of Violence against Women in India' presented in National Seminar on Gender Equality, Feminism in Contemporary India: Issues and Challenges organised by G.H.G Institute of Law for Women, Ludhiana, 11th November, 2017.
10. **Mona Goel:** Paper titled 'Agrarian Crisis in Punjab: Socio-Legal Perspective' presented in National Conference on Agrarian Crisis in Punjab organised by GNDU College, Patti, 07-08 March, 2017

INVITED LECTURES/EXTENSION LECTURES/TALKS/ CHAIRING A SESSION/DISCUSSANT

ELECTRONICS AND COMMUNICATION ENGINEERING

1. Delivered Expert Lecture titled 'topic Future Wireless Networks: Dreams & Challenges' during National Conference on Communication and Computing Technologies (NCCCT-2017) at A PeeJay College of fine Arts, Jalandhar, 11th March, 2017
2. Session chair at National Conference On 'Current Trends in Engineering, Management and Information Technology (CTEMIT), CT Institute of Technology & Research, Jalandhar

JOURNALISM & MASS COMMUNICATION

3. Dr. Namarta Joshi chaired a session at the International Conference on Skill Development in Education organized by KMV, Jalandhar from March 17-18, 2017
4. Dr. Charan Kamal Walia was invited to deliver a lecture on 'Making of a Good Teacher' at Faculty Development Program organized by DAV University, Jalandhar on July 22, 2017

PUNJABI

5. Delivered an extension lecture on Punjabi Phonology to the PG students of Punjabi at Guru Nanak Khalsa College Sultanpur Lodhi on 21st January, 2017.
6. Participated in a Talk Show on Punjab Bhasha ate Sabhayachar de Masle on Ajit Web TV on January 30, 2017 along with Dr. Waryam Singh Sandhu.
7. Delivered an extension lecture on Punjabi Morphology and Syntax to the PG students of Punjabi at SDAM College Dina Nagar on February 9, 2017.

**ORGANISED – SEMINAR/CONFERENCES/WORKSHOPS/INVITED
LECTURES/COURSES/SYMPOSIA**

COMPUTER SCIENCE AND ENGINEERING

1. Placement Talk by Dr. Amit Chopra (Asstt. Placement Officer) GNDU Amritsar on May2, 2017
2. Seminar on ‘Career Guidance and Communication Skills’ by Lally Infosys, Jalandhar on Nov2, 2017

PUNJABI

3. Organized a symposium on The Language of Punjabi Media on October 14, 2017 at Guru Nanak Dev University Regional Campus Jalandhar in collaboration with Sahitya Akademi New Delhi.