

# **GURU NANAK DEV UNIVERSITY REGIONAL CAMPUS, JALANDHAR**

## **INTRODUCTION**

### **COMPUTER SCIENCE AND ENGINEERING**

The Department of Computer Science and Engineering was established in 2002. Department has been engaged in promoting undergraduate technical education in the fast growing field of Computer Science & Engineering 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 placement scenario of the students has been excellent with most of students having good job offers.

### **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 placement scenario of the students has been excellent with most of students having good job offers.

### **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. 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. 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 the construction of the new Regional Campus at Ladhewali, the Department finally stepped on to a new phase in its development. Since the course involves practical training, the Department has developed some infrastructure, which includes equipment like still cameras, TV, VCD, DVD, OHP, Slide Projector, LCD Multimedia projector, Music system, Xerox machine, computers, etc. The department has its own state of art audio-visual and still photography studios.

### **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) regular course. The Department has also Ph.D. regular/ Part-Time Ph.D. programme.

### **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. Being a department of University Regional, it has always been a centre preference of students to pursue their higher studies in language, literature and culture due to different, innovative and student friendly curriculum activities including system, syllabus and evaluation as compare to local colleges that were following annual system and different syllabus from the University department. Now with the introduction of Credit Based Continuous Evaluation Grading System the department has again emerged as centre of preference for the local graduates to get Post Graduate degree from this department. The main objective of this department is to impart quality education and research in the field of Punjabi language, literature and culture. Research forms an integral part of this department. Apart from providing instructions in M.A. Punjabi course, the department is also

offering research guidance in the above said areas.18 students have completed their Ph.D. thesis and 52 students have obtained their M.Phil. degrees from this department during the last five years.

## **FACULTY**

### **COMPUTER SCIENCE AND ENGINEERING**

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

**Assistant Professor :** Mandeep Kaur, M.Tech.; Neena Madan, M.Tech.; Sheetal Kalra, Ph.D.; Pankaj Deep Kaur, Ph.D.; 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.; Harmander Singh, Ph.D.; Himali Sarangal, M.Tech.; Vinit Grewal, Ph.D.; Harmandar Kaur, M.Tech.

### **LAWS**

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

**Associate Professor :** Rajni Verma, Ph.D.

**Assistant Professor :** Rupam Jagota, Ph.D.; Harmeet Singh Sandhu, Ph.D. (On Leave); Inderpreet Kaur Narang, LL.M; Varinder Singh, Ph.D.;; Nirmala Devi, LL.M.; Mona Goel, LL.M

### **PUNJABI**

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

### **JOURNALISM & MASS COMMUNICATION**

**Head :** Kamlesh Singh Duggal, Ph.D. (Professor)

**Professor :** Sukhvinder Singh, Ph.D

**Associate Professor :** Namarta Joshi, Ph.D.

**Assistant Professor :** Charan Kamal Walia, Ph.D.

## **PAPERS PUBLISHED IN PEER REVIEWED JOURNALS**

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15. Kaur K., Kaur P.D. (2015). Optimization of Mobile Applications in Mobile Cloud Computing (MCC). *International Journal of Advanced Research in Computer and Communication Engineering*, ISSN: 2278-1021, Vol. 4, Issue 4, pp. 615-618.
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157. Mona Goel, Relevancy of Hypothesis in Legal Research Methodology by Dr Rattan Singh, Lexis Nexis p. 213-220, ISBN: 978-81-8038-897-2
158. Mona Goel, “Educational Rights of Minorities under Indian Constitution; An Overview” Minorities and Law in India: Issues and Challenges (2015) ISBN: 978-93-84166-07-6
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## **JOURNALISM & MASS COMMUNICATION**

160. Namarta Joshi, Portrayal of Caste System in Indian Films Communication Today Jaipur ISSN0975-217, p. 39-46 Oct-Dec, 2015.
161. Namarta Joshi, Media & Social Change-Towards Gender Equality, Global Research and Analysis. Vol. 1, No. 2, July-Dec, 2015 ISSN 22786775.

## **PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS**

### **COMPUTER SCIENCE AND ENGINEERING**

1. Davessar, N.M., Kaur, P. and Kaur, H. (2015) Implementing Data Mining Techniques for Churn Prediction and Analysis, 2nd International International Multi Track Conference on Sciences, Engineering and Technical Innovations (IMTC-2015), organized by CT Group of Institutions, Jalandhar, Punjab, 22-23 May, 2015.
2. Viala R., Kaur M. (2015). A survey on differential evolution approaches for large scale optimization. International Multi Track Conference on Sciences, Engineering and Technical Innovations (IMTC-2015), organized by CT Group of Institutions, Jalandhar, Punjab, 22-23 May, 2015.
3. Mittal A., Kaur P.D. (2015). Existing Computational Models and Heuristic Methods for Cloud Scheduling Problems. 2nd IEEE International Conference on Advances in Computing and Communication Engineering, pp. 688-692, May 2015.
4. Kaur P. and Kaur P.D. (2015). Energy Efficient Resource Allocation for Heterogeneous Cloud Workloads. IEEE International Conference on Computing for Sustainable Global Development INDIACom - 2015. ISSN 0973, 7529 and ISBN 978-93-80544-15-1 serials, pp. 1319-1322, March 2015.
5. Kaur P., Kour K.P. (2015). SQL Injection: Study and Augmentation. IEEE International Conference on Signal Processing, Computing and Control, pp. 102-107, Sept 2015.
6. Gazal, Kaur P.D. (2015). A Survey on Big Data Storage Strategies. IEEE International Conference on Green Computing and Internet of Things, pp. 280-284, Oct 2015.
7. Kaur P.D., Priya K. (2015). Discovering Execution of Real time Tasks in Cloud Computing. IEEE International Conference on Green Computing and Internet of Things, pp. 1048-1053, Oct 2015.
8. Kaur P.D, Priya K. (2015). Fault Tolerance Techniques and Architectures in Cloud Computing-A Comparative Analysis. IEEE International Conference on Green Computing and Internet of Things, pp. 1090-1095, Oct 2015.
9. Kaur P.D., Arora S. (2015). Regression and Endogeneity Bias in Big Marketing Data. International Conference on Eco-friendly Computing and Communication Systems, Procedia Computer Science, Elsevier (70), pp. 41-47.
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11. Kaur P.D., Sharma P.D. (2015). Architectures for scalable databases in cloud-and application specifications. Second International Symposium on Computer Vision and the Internet, Procedia Computer Science, Elsevier (58), pp. 622-634.
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#### **ELECTRONICS AND COMMUNICATION ENGINEERING**

21. Jaideep, Goldendeeep Kaur and Jyoteesh Malhotra, "A Comprehensive Survey of Current Trends and Challenges to mitigate ARP attacks," in IEEE International Conference on Electrical, Electronics, Signals, Communication & Optimization, IEEE, Visakhapatnam, pp. 01-06, 24–25 January 2015 India.
22. Manpreet, Jyoteesh Malhotra, "ZigBee Technology: Current Status and Future Scope," in IEEE International Conference on Computer and Computational Science (ICCCS, 2015) ITS Engineering College, Greater Noida, pp. 495 - 498, 27-29 January, 2015 India.
23. Komal Sharma, Jyoteesh Malhotra and Richa Sharma, "Performance evaluation of ADV DSR & GOD in VANET for city & highway scenario," in IEEE International Conference on Futuristic Trends on Computational Analysis and Knowledge Management (ABLAZE), IEEE, Noida, pp. 388 - 393, 25–27 Feb 2015 India.
24. Harsimran Singh, Jyoteesh Malhotra, "Quad Band Reconfigurable MEMS Antenna on Silicon Substrate for Ku-Band Applications," in IEEE International Conference on Signal Processing, Computing and Control (2015 ISPCC), IEEE, JUIT, Solan, pp. 168 - 172, 24–26 Sept 2015, India.
25. Lovepreet Kaur and Jyoteesh Malhotra, "Investigate The Effect Of RSSI On QoS Aware Convergecast Routing In Wireless Sensor Network," in 3rd IEEE International Conference on MOOC, Innovation and Technology in Education (MITE 2015), IEEE, ACET, Amritsar, 01–02 Oct 2015 India.
26. Harminder Singh, Paper entitled 'Analysis of Preventive Methods for Boiler Tube Failures in Waste Incinerators,' presented in International Conference on Emerging Trends in Engineering & Management (ICETE), held at Continental Group of Institutes, Jalvehra, Fategarh Sahib, Punjab, 20th March, 2015, India.
27. Harminder Singh, paper entitled 'Analysis of Material Degradation in Chlorine Environment of Power Plants,' presented in International Conference on Advancements in Engineering and Technology, held at Bhai Gurdas Institute of Engineering and Technology, Sangrur, Punjab, March, 2015. India.
28. Harminder Singh, paper entitled 'Cold Sprayed Coating for Power Plants,' presented in International Multi Track Conference on Science, Engineering & Technical Innovations, held at CT Institute of

Engineering, Management & Technology, Jalandhar, in association with ISRO and PTU, Jalandhar, 22-23rd May, 2015. India.

29. Harminder Singh, paper 'Study of Component Failure Mechanism in Incinerator,' contributed in International Conference on Communication, Information & Computing Technology, ICCICT-15, held at Global Institute of Management and Emerging Technologies, Amritsar, Punjab, 12-13th May, 2015. India.
30. Harminder Singh, Paper entitled 'Development of Thermal Spray Coatings,' presented in International Multi-Stream Conference on Technology & Life (IMSC-2015) held at organized by CKD Institute of Management & Technology, Tarn-Tarn, in association with IKG Punjab Technical University, Punjab, 8<sup>th</sup> Nov., 2015. India.
31. Nitika Soni, Amanpreet Kaur (2015) Performance Analysis of OCDMA System using 1-D,2-D and 3-D Techniques- A Review, International Multi Track conference on Sciences, Engineering and Technical Innovations, pp. ISBN: 978-8192907-7-2-7.
32. Nitika Soni, Pratham Dhawan (2015) A Review- Peak To Average Power Ratio, International Multi Track conference on Sciences, Engineering and Technical Innovations, pp. 324-328, ISBN: 978-8192907-7-2-7.
33. Nitika Soni, Jasmeet Kaur (2015) A survey on energy Aware Protocols for WSN, International Multi Track conference on Sciences, Engineering and Technical Innovations, pp. 287-289, ISBN: 978-81929077-2-7.
34. Sondhi, P., Grewal, V. (2015) A survey on comparison of various Equalisation Techniques for OFDM Uplink, National Conference on advances in electrical and electronics communication Engineering AEECE 2015, ISSN 978-81-920451-4-6.
35. Meet Kumari and Harmandar Kaur (2015) Performance Analysis of Inter-Satellite Optical Links at 8 Gbps, International Multi-Track Conference on Sciences, Engineering & Technical Innovations, Peer Reviewed, CT Institute of Engineering Management & Technology, Jalandhar on May 22-23, 2015.

#### **JOURNALISM & MASS COMMUNICATION**

36. Rubal Kanozia, 'Communication/Culture And The Sustainable Development Goals (SDGs): Challenges For a New Generation' Chiang Mai University, Thailand, 17-21 December, 2015.

#### **LAWS**

37. Varinder Singh, Educational Rights of Minorities: A Protective Mechanism under the Constitution and Right to Education Act, 2009 Minorities and Law in India: Issues and Challenges (2015) ISBN: 978-93-84166-07-6.
38. Varinder Singh, Human Rights in India: Issues and Challenges in Full Conference Proceedings of Seminar on Human Rights organised by HMV College, Jalandhar.

#### **CHAPTERS PUBLISHED IN BOOKS**

#### **LAWS**

1. Rupam Jagota, Constitutional Rights of Minorities Vis-à-vis Judicial Pronouncements: A Critical Analysis, BOOK –Minorities and Law in India, Issues and Challenges, 2015, Chapter 12 , p. 128-139, ISBN : 978-93-84166-07-6.
2. Varinder Singh, 'Case Study- A Strategic Research Methodology' in Legal Research Methodology by Dr. Rattan Singh, Lexis Nexis p. 137- 144, ISBN: 978-81-8038-897-2.
3. Varinder Singh, The Giant Size of Corruption Laws vis-a-vis A Little Common Man in Menace of Corruption and Black Money in India: Issues and Perspectives, RGNUL, Patiala, p. 84 – 95, ISBN: 978-93-84166-09-0.

## **PUNJABI**

4. Sangha, Sukhvinder Singh (2015), 'Punjabi bhasha te pae anterrashtari parbhav' in Sarbjit Singh (eds) Bhasha Pasar, Mata Gujri College, Fatehgarh Sahib, pp 20-28, ISBN No.978-93-828-11-2.

## **INTERNATIONAL CONFERENCES ATTENDED**

### **ELECTRONICS AND COMMUNICATION ENGINEERING**

1. Deep Kamal Kaur Randhawa attended 5<sup>th</sup> International Symposium on Micro and Nano Technology, Calgary, May 18-20, 2015, Canada.

### **LAWS**

2. Rupam Jagota, Emergence of Plea Bargaining with in the preview of Criminal Justice System India: An overview, in an International Conference on Victim Compensation and Restorative India at RGNUL, Punjab on 23 Nov, 2015.

## **PUNJABI**

3. Sukhvinder Singh attended International Conference on Punjabi Diaspora organised by Punjabi University, Patiala 20-22 January, 2015.
4. Sukhvinder Singh attended International Conference on Development of Punjabi Language organised by Punjabi University, Patiala 14-16 January, 2015.

## **NATIONAL CONFERENCES ATTENDED**

### **ELECTRONICS AND COMMUNICATION ENGINEERING**

1. Harminder Singh, attended National Conference on Recent Trends in Mechanical Engineering (RTME-2015), held at department of Mechanical Engineering of Beant College of Engineering and Technology, Gurdaspur, Punjab, 20-21<sup>st</sup> March, 2015.

### **LAWS**

2. Rupam Jagota, Emergence of Plea Bargaining with in the preview of Criminal Justice System India: An overview in an International Conference on Victim Compensation and Restorative India RGNUL, Punjab on 23 Nov, 2015.
3. Rupam Jagota, Human Rights of women Domestic Workers: An Analysis in a UGC Sponsored National Seminar on Human Rights Education at HMV College Jalandhar on 5 Nov, 2015.
4. Rupam Jagota, Sustainability vis a vis people's participation in Environmental Decision Making in Himalayan Studies National Conference at Himachal Pardesh University, Shimla on 4th Nov. 2015.
5. Rupam Jagota, Menace of Black Money and the Role of Investigative Agencies: An Analytical Perspective, in a National Seminar on Menace of Corruption and Black Money in India: Issues and Perspective at RGNUL, Punjab on 22 Aug 2015.
6. Rupam Jagota, Research and Teaching vis-a-vis Score Card Assessment: A critique, in UGC Sponsored Two Days National Seminar on Challenges Before Higher Education in India at Guru Nanak Dev University College, Jalandhar on 27-28 March, 2015.
7. Rupam Jagota, Constitutional Rights of Minorities viz-viz judicial pronouncements: A Critical Analysis, in a National Seminar on Minorities and Law in India: Issues and Challenges at RGNUL, Punjab on 22 March, 2015.
8. Rupam Jagota, UGC Sponsored Seminar on Corporate Regulatory Reforms-perspective, issues and challenges Under New Company Law, March 21, 2015, Chaired the Session and Awarded the Guest of Honour.



9. Rupam Jagota, Right to Healthy Environment: An Attempt at Sustainability, in UGC sponsored two Day National Workshop/Seminar on Human Rights, Environmental Health, Right to Health at SD College for Women, Jalandhar on 13-14 March, 2015.
10. Rupam Jagota, Empowering Women: Job Prospective and Safe Environment at Workplace in a National Seminar on Entrepreneurship Development and Management Skills organized by RGNI of Development at Lyallpur Khalsa College for Women, Jalandhar on 27-28 Feb, 2015.
11. Rupam Jagota, NRI Marriages and Law: Enforcement and Perspective, in a National Seminar on NRI Marriages: Social Realities of Law on 11 Feb, 2015 at St. Soldier Law College as Resource Person.
12. Upam Jagota, Lecture in Workshop on Anti-human Trafficking from 4-6 Feb, 2015 at MRS PP Academy, Phillaur, Law and Provisional related to Human Trafficking in India w.r.t. Immoral Traffic (Prevention) Act, 1956 on 5 Feb, 2015.
13. Inderpreet Kaur Narang attended National Conference our Challenges before Higher Education in India organised by Guru Nanak Dev University College, Jalandhar, 27-28, March, 2015.
14. Inderpreet Kaur Narang, Access to Justice in India organised by Army Institute of Law, Mohali, 7<sup>th</sup> Nov., 2015.
15. Varinder Singh, Paper entitled “Environmental Protection and Human Rights: Indian Perspective” in National Seminar on Human Rights organised by Shanti Devi Arya Mahila College, Gurdaspur on 14th March, 2015.
16. Varinder Singh, Paper entitled “Role of Private Sector in Higher Education: Some Pros and Cons” in National Seminar on Challenges before Higher Education in India organised by Guru Nanak Dev University College, Jalandhar on 27-28 March, 2015
17. Varinder Singh, Paper entitled “Corporate Social Responsibility” in National Seminar on Corporate Regulatory Reforms organised by DAV College, Jalandhar on 21st March, 2015.
18. Varinder Singh, Paper entitled “Education Rights of Minorities: A Protective Mechanism under the Constitution” in National Seminar on Minorities and Law in India organised by RGNUL, Patiala on 22nd March, 2015.
19. Varinder Singh, Paper entitled “The Giant Size of Corruption viz-a-viz Little Common Man” in National Seminar on Minorities and Law in India organised by RGNUL, Patiala on 22nd August, 2015.

## **PUNJABI**

20. Sukhvinder Singh, Attended and gave a speech on Development of Punjabi Language at two day National Conference on Development of Punjabi Bhasha organized by Punjabi Development Committee DSGPC, Delhi 25-26 Sep., 2015.
21. Sukhvinder Singh attended and gave a speech on Three Language Formula in a Punjabi Bhasha Convention on January May 10, 1015 organized by Punjabi Bhasha Talmel Committee, Jalandhar at 10 May 2015.
22. Sukhvinder Singh attended 8<sup>th</sup> Sarab Bharati Punjabi Conference organised by Punjabi University, Patiala held on April 30 April -1 May, 2015.

## **PAPERS PRESENTED IN INTERNATIONAL CONFERENCES**

### **COMPUTER SCIENCE AND ENGINEERING**

1. Jaideep, Goldendeep Kaur and Jyoteesh Malhotra, “A Comprehensive Survey of Current Trends and Challenges to mitigate ARP attacks,” in IEEE International Conference on Electrical, Electronics, Signals, Communication & Optimization (EESCO-2015), IEEE, Visakhapatnam, pp. 01 - 06, 24–25 January 2015, India.

2. Manpreet, Jyoteesh Malhotra, "ZigBee Technology: Current Status and Future Scope," in IEEE International Conference on Computer and Computational Science (ICCCS, 2015) ITS Engineering College, Greater Noida, pp. 495 - 498, 27-29 Jan. 2015 India.
3. Komal Sharma, Jyoteesh Malhotra and Richa Sharma, "Performance evaluation of ADV DSR & GOD in VANET for city & highway scenario," in IEEE International Conference on Futuristic Trends on Computational Analysis and Knowledge Management (ABLAZE), IEEE, Noida, pp. 388 - 393, 25-27 Feb 2015 India.
4. Harsimran Singh, Jyoteesh Malhotra, "Quad Band Reconfigurable MEMS Antenna on Silicon Substrate for Ku-Band Applications," in IEEE International Conference on Signal Processing, Computing and Control (2015 ISPCC), IEEE, JUIT, Solan, pp. 168 - 172, 24-26 Sept 2015 India.
5. Lovepreet Kaur and Jyoteesh Malhotra, "Investigate The Effect Of RSSI On QoS Aware Convergecast Routing In Wireless Sensor Network," in 3rd IEEE International Conference on MOOC, Innovation and Technology in Education (MITE 2015), IEEE, ACET, Amritsar, 01-02 Oct 2015 India.
6. Harminder Singh, Paper entitled 'Analysis of Preventive Methods for Boiler Tube Failures in Waste Incinerators,' presented in International Conference on Emerging Trends in Engineering & Management (ICETE), held at Continental Group of Institutes, Jalvehra, Fategarh Sahib, Punjab, 20th March, 2015, India.
7. Harminder Singh, paper entitled 'Analysis of Material Degradation in Chlorine Environment of Power Plants,' presented in International Conference on Advancements in Engineering and Technology, held at Bhai Gurdas Institute of Engineering and Technology, Sangrur, Punjab, March, 2015, India.
8. Harminder Singh, paper entitled 'Cold Sprayed Coating for Power Plants,' presented in International Multi Track Conference on Science, Engineering & Technical Innovations, held at CT Institute of Engineering, Management & Technology, Jalandhar, in association with ISRO and PTU, Jalandhar, 22-23rd May, 2015. India.
9. Harminder Singh, paper 'Study of Component Failure Mechanism in Incinerator,' contributed in International Conference on Communication, Information & Computing Technology, ICCICT-15, held at Global Institute of Management and Emerging Technologies, Amritsar, Punjab, 12-13th May, 2015, India.
10. Harminder Singh, Paper entitled 'Development of Thermal Spray Coatings,' presented in International Multi-Stream Conference on Technology & Life (IMSC-2015) held at organized by CKD Institute of Management & Technology, Tarn-Tarn, in association with IKG Punjab Technical University, Punjab, 8<sup>th</sup> Nov., 2015, India.
11. Nitika Soni, Amanpreet Kaur (2015) Performance Analysis of OCDMA System using 1-D,2-D and 3-D Techniques- A Review , International Multi Track conference on Sciences, Engineering and Technical Innovations, pp. ISBN: 978-8192907-7-2-7.
12. Nitika Soni, Pratham Dhawan (2015) A Review- Peak To Average Power Ratio, International Multi Track conference on Sciences, Engineering and Technical Innovations, pp. 324-328, ISBN: 978-8192907-7-2-7.
13. Nitika Soni, Jasmeet Kaur (2015) A survey on energy Aware Protocols for WSN, International Multi Track conference on Sciences, Engineering and Technical Innovations, pp. 287-289, ISBN: 978-81929077-2-7.
14. Sondhi, P., Grewal, V. (2015) A survey on comparison of various Equalisation Techniques for OFDM Uplink, National Conference on advances in electrical and electronics communication Engineering AEECE 2015,ISSN 978-81-920451-4-6.

15. Meet Kumari and Harmandar Kaur (2015) Performance Analysis of Inter-Satellite Optical Links at 8 Gbps, International Multi-Track Conference on Sciences, Engineering & Technical Innovations, Peer Reviewed, CT Institute of Engineering Management & Technology, Jalandhar on May 22 & 23, 2015.
16. Sheetal Kalra presented paper entitled 'Security Issues Concerning Next Generation of Cloud Computing and its Current Status' presented in International Multi Track Conference on Sciences, Engineering & Technical Innovations organized by CT Group of Institutions, Jalandhar, Punjab, 22-23rd May, 2015.
17. Sheetal Kalra presented paper entitled 'On Security Analysis of recent Password Authentication and Key Agreement Schemes Based on Elliptic Curve Cryptography' presented in Fourth International Conference on Wireless Networks and Embedded Systems WECON-2015 organized by Chitkara University, 20-21st March, 2015.
18. Sheetal Kalra presented paper entitled 'Big Data: Evolution, Issues and Tools' presented in 1<sup>st</sup> International Conference on Futuristic Trends in Computational Analysis and Knowledge Management organized by Amity University, Greater Noida Campus, 25-27th February 2015.
19. Sheetal Kalra presented paper entitled 'Improved Web Data Security in E-Commerce Against Various Vulnerabilities' presented in International Muti-Track Conference on Science, Engineering and Technical Innovation organized by CT Institute of Engineering, Management & Technology, Jalandhar, Punjab, 22-23rd May, 2015.
20. Sheetal Kalra presented paper entitled 'A Survey on Energy Efficient Techniques on Cloud Computing' presented in Fourth International Conference on Wireless Networks and Embedded Systems WECON-2015 organized by Chitkara University, 20-21st March, 2015.

#### **ELECTRONICS AND COMMUNICATION ENGINEERING**

21. Deep Kamal Kaur Randhawa presented paper entitled 'Coulomb Blockade and Single Electron Charging in DNA Bases' at 5<sup>th</sup> International Symposium on Micro and Nano Technology, Calgary, May 18-20, 2015, Canada.
22. Harminder Singh, paper 'Study of Mechanism of Component Failures in Waste Based Power Plants,' presented in National Conference on Recent Trends in Mechanical Engineering (RTME-2015), held at department of Mechanical Engineering of Beant College of Engineering and Technology, Gurdaspur, Punjab, 20-21st March, 2015.

#### **JOURNALISM & MASS COMMUNICATION**

23. Kamlesh Singh Duggal Paper entitled 'Punjabi Journalism in Canada: A Study' presented in World Punjabi Conference in Toronto, Canada, 11-12 June, 2015
24. Namarta Joshi, Paper entitled 'Media & Social Change Towards Gender Equalization' presented in International Conference on Communication for Social Change and Development: Imperatives and Constraints organized by the Department of Journalism & Mass Communication, Himachal Pradesh University, Shimla, 18-19 September, 2015
25. Namarta Joshi, Paper entitled Visual Effects in Contemporary Cinema: The New Sources Mantra presented in International Conference on Media and Communication (ICMCS-2015) on Changing Paradigm of Media Landscape in the Digital Age 2.0, organized by the Amity School of Communication, Jaipur, 20-22 November, 2015.
26. Rubal Kanozia, Paper entitled 'Communication for Sustainable Development: An assessment of Environmental Conservation Movement of Punjab-Assembly' hosted by Asian Media Information and Communication Centre, Singapore at American University, Dubai, 10-13 June, 2015

- Namarta Joshi, Paper entitled Role of Media in Tourism Promotion: A Study (with special reference to Punjab) in All India Media Educators Conference on organized by Rajasthan University and Manipal University, Jaipur, 2-4 April, 2015.

#### **LAWS**

- Rupam Jagota, Emergence of Plea Bargaining with in the preview of Criminal Justice System India: An overview, in an International Conference on Victim Compensation and Restorative India at RGNUL, Punjab on 23 Nov, 2015.

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

#### **COMPUTER SCIENCE AND ENGINEERING**

- Pankaj Deep Kaur attended One week AICTE recognized short term course on "E-governance in Technical Institutions through ICT" conducted by Entrepreneurship Development and Industrial Coordination Department, NITTR Chandigarh from 27-07-2015 to 31-07-2015 at Guru Nanak Dev University, Regional Campus, Jalandhar.

#### **ELECTRONICS AND COMMUNICATION ENGINEERING**

- Deep Kamal Kaur Randhawa attended one week Short Term Course on E-governance in Technical Institutions through ICT organized by Entrepreneurship Development & Industrial Coordination Department at Guru Nanak Dev University, Regional Campus, Jalandhar, Punjab, 27-31st July, 2015.
- Deep Kamal Kaur Randhawa attended one week Faculty Development Program on New Approaches of Applied Sciences for Making Better Engineers at CT Institute of Engg, Mgt and Technology, Shahpur, Jalandhar, Punjab, 24-28 March, 2015.
- Manjit Singh attended one week Short Term Course on E-governance in Technical Institutions through ICT organized by Entrepreneurship Development & Industrial Coordination Department at Guru Nanak Dev University, Regional Campus, Jalandhar, Punjab, 27-31st July, 2015.
- Neetika Soni attended one week Short Term Course on E-governance in Technical Institutions through ICT organized by Entrepreneurship Development & Industrial Coordination Department at Guru Nanak Dev University, Regional Campus, Jalandhar, Punjab, 27-31st July, 2015.
- Butta Singh attended one week Short Term Course on E-governance in Technical Institutions through ICT organized by Entrepreneurship Development & Industrial Coordination Department at Guru Nanak Dev University, Regional Campus, Jalandhar, Punjab, 27-31st July, 2015.
- Butta Singh attended Two Day Workshop on Virtual Labs under NMICT Project of MHRD, Indian Institute of Technology, Roorkee, April 24 – April 25, 2015.
- Harminder Singh attended one week Short Term Course on E-governance in Technical Institutions through ICT organized by Entrepreneurship Development & Industrial Coordination Department at Guru Nanak Dev University, Regional Campus, Jalandhar, Punjab, 27-31st July, 2015.
- Harminder Singh attended one day National Workshop on "LATEX- A Powerful Tool for Thesis & Report Writing," organized by Department of Electronics & Communication Engineering & Computer Science Engineering at CT Institute of Technology & Research, Jalandhar in association with IKG Punjab Technical University, Jalandhar, 17 November, 2015.
- Harminder Singh attended Three Week Winter School organized by the Department of Community, Education & Disability Studies, under the auspices of the UGC-Human Resource Development Centre, Panjab University, Chandigarh, 26.Dec.2015 to 15. Jan.2016.
- Vinit Grewal attended 26th orientation course form 15 June 2015 to11 July 2015 at 26<sup>th</sup> orientation Course from 15 June 2015 to 11 July 2015 at UGC-HRDC, Punjabi University, Patiala.

12. Harmandar Kaur attended General Orientation Course at Human Resource Development Centre, Guru Nanak Dev University Amritsar from November 16 to December 14, 2015.

#### **LAWS**

13. Inderpreet Kaur Narang, Special Winter School, Academic Staff College, (HRD Centre), Guru Nanak Dev University, Amritsar, 3rd Dec.-23rd Dec. 2015.
14. Nirmala Devi, Special Winter Course, HRDC, Punjab University, Chandigarh, 26th Dec. 2015 to 15th Jan. 2016.
15. Varinder Singh attended Refresher Course on Disaster Management 26<sup>th</sup> Nov. to 16<sup>th</sup> Dec., 2015 organised by HRD Centre, Guru Nanak Dev University, Amritsar.

#### **PUNJABI**

16. Sukhvinder Singh attended a Five day Workshop on Finalization of History Glossary as a Punjabi Expert organized by National translation Mission ,CIIL, Mysore 23– 28<sup>th</sup> Dec, 2015.
17. Sukhvinder Singh attended and presided over a academic session of the seminar on Sahit Adhyan: Bhasha viganak vidhian organized by School of Punjabi Studies at Guru Nanak Dev University, Amritsar 17<sup>th</sup> Nov, 2015.
18. Sukhvinder Singh attended two day national seminar on Media ate samkaali samaaj organized by Guru Nanak Dev University College, Jalandhar from 20-21<sup>st</sup> Feb, 2015.
19. Sukhvinder Singh attended a Seminar on NRI Marriages: Social Realities and Law, organized by St. Soldier's College of Law, Jalandhar 11<sup>th</sup> Feb, 2015.
20. Sukhvinder Singh attended a seminar on Teaching of Social Sciences and Punjabi organized by Punjabi Sahit Academy, Ludhiana 26<sup>th</sup> Jan, 2015.
21. Sukhvinder Singh attended two day national seminar on Media ate samkaali samaaj organized by Guru Nanak Dev University College Jalandhar, 20-21<sup>st</sup> Feb, 2015 and also presided over a academic session on 20<sup>th</sup> Feb, 2015.
22. Sukhvinder Singh attended and presided over a academic session of the seminar on Sahit Adhyan: Bhasha viganak vidhian organized by School of Punjabi Studies at Guru Nanak Dev University Amritsar 17<sup>th</sup> Nov, 2015.

### **INVITED LECTURE/EXTENSION LECTURES/TALKS/ CHAIRING A SESSION/DISCUSSANT**

#### **COMPUTER SCIENCE AND ENGINEERING**

1. Delivered an invited Talk etitled 'IT Services in Cloud Computing' at FDP on Make in India-Role of IT Services at CT Institute of Technology, Jalandhar, 22-28 June, 2015.
2. Chairperson for the technical session of One Day National Conference on 'Recent Trends in Computer and Communication Technology' held at JC DAV College, Dasuya, 21 Feb, 2015.

#### **JOURNALISM & MASS COMMUNICATION**

3. Dr. Kamlesh Singh Duggal delivered a Keynote address at a National Seminar on Media & Literature, Organised by Khalsa College, Amritsar on March 11, 2015.
4. Dr. Kamlesh Singh Duggal, One of the Penalist at Guru Nanak Dev University College, Jalandhar, in UGC sponsored seminar on 'Media & Contemporary Society with Reference to Punjabi Society', held on February 20-21, 2015.

## **LAWS**

5. Rupam Jagota, NRI Marriages and Law: Enforcement and Perspective, in a National Seminar on NRI Marriages: Social Realities of Law on 11 Feb, 2015 at St. Soldier Law College as Resource Person and Chaired the Session.
6. Rupam Jagota, Lecture in Workshop on Anti-human Trafficking from 4-6 Feb, 2015 at MRS PP Academy, Phillaur, Law and Provisional related to Human Trafficking in India w.r.t Immoral Traffic (Prevention) Act, 1956 on 5 Feb, 2015 as Resource Person and Chaired the Session.

## **PUNJABI**

7. Sukhvinder Singh delivered lecture titled 'Teaching of Punjabi' at St. Soldier Arts College Jalandhar 13<sup>th</sup> Feb, 2015.
8. Sukhvinder Singh delivered lecture titled 'Punjabi Phonology' at PG Department of Punjabi, Jammu University, Jammu 2 Feb, 2015.
9. Sukhvinder Singh delivered lecture titled 'Importance of Mother Tongue' at Govt. Sports and Arts College, Jalandhar 5 Nov, 2015.
10. Sukhvinder Singh delivered lecture titled 'Research Methodology and Style Sheet' at Research Methodology work shop organized by Department of Punjabi, Punjabi University Patiala 5-11 May, 2015.
11. Sukhvinder Singh delivered lecture titled 'The Current situation Indian Regional Languages' in a Seminar on 'The Languages and Literature of Jammu and Kashmir' organized by J&K Academy of Art, Culture and Languages in collaboration with Kendri Punjabi Lekhak Sabha 29 Nov, 2015.

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

## **ELECTRONICS AND COMMUNICATION ENGINEERING**

1. ECE Department, Guru Nanak Dev University, Regional Campus, Jalandhar conducted STC on E-Governance in Technical Institution from National Institute of Technical Teachers Training and Research, Chandigarh 27 July – 31 July, 2015.

## **JOURNALISM & MASS COMMUNICATION**

2. Workshop on Photography & Print Media: 9-10 Nov., 2015.
3. Workshop on Radio & T.V. Production: 18-19 Nov., 2015.
4. Workshop on Film Studies: 30 Nov, 2015 and 1 Dec., 2015.
5. A lecture on Adolescent Health for Girls was delivered by Dr Ritu Nanda, Gynaecologist and IVF Specialist on November 4, 2015.
6. A lecture on photography by Mr Janmeja Singh Johal, eminent freelance photographer, was delivered in the Department on September 29, 2015.
7. The Vice-Chancellor of Khusabhau Thakre Partikarita Awam Jan Sanchar Vishwavidyalaya, Raipur, Chattisgarh Dr. M.S. Parmar was addressed the students on May 25, 2015.