

REGIONAL CAMPUSES

GURU NANAK DEV UNIVERSITY REGIONAL CAMPUS, GURDASPUR

INTRODUCTION

COMMERCE & BUSINESS MANAGEMENT

MBA course was started in 1990. Presently we are running MBA (2 years), B.com (3 years), M.Com (2 years). Only MBA is based upon Credit Based Evaluation System (CGPA).

COMPUTER SCIENCE AND ENGINEERING

Department of Computer Science and Engineering was established in year 2002. Since its inception the Department offers 3-year MCA and 4-year full time B. Tech (Computer Science and Engineering) courses. During the course the students are given theoretical and hands-on training in Programming Technique, Database Management System, Microprocessors, Operating Systems and other Application Software. The department mission is to advance, evolve and enhance computer science and computing engineering fundamentals to build the intellectual capital of students. The department endeavours to become an important regional and national resource centre for the development of computing. CSE has a vibrant student body of undergraduate and postgraduate students and a stellar faculty of professors and assistant professors. The Department has been successfully catering the needs of the students hailing from different parts of the country and Punjab itself. The Department offers best infrastructure for both practical and theoretical purposes. The Department provides excellent environment condition which is best suited for academics. Students are counselled from time to time for their personality development and preparing them to face interviews.

The Examination System consists of Semester along with Credit Grade Point Average (CGPA) evaluation of the students. The syllabi of MCA and B. Tech are regularly updated to keep pace with the latest developments in the Industry. The Department possess the assets in the form of knowledgeable and hard working faculty. The faculty of the Department undertakes an active interest in various research areas like Software.

All the Machines in The Department are hooked on LAN. The department has two strong Internet Backbones, one from ERNET INDIA (512 kbps) and other from Connect (4 Mbps) connection. Internet facility is provided to students in the working hours. The Department has well equipped library providing exposure to the students. Library consists about 9,000 books, Newspapers, Magazines and many other Publications.

As per the requirements the Department have various well-equipped lab for different purposes. Multimedia Lab is lab for the Presentations and Seminars. Lab is fully air-conditioned and well equipped with proper Projector and Screens. Database Lab with latest SQL Server and latest supporting application software like MS Access, SQL Server, Oracle 10g & 11g are used for software development. Programming Lab for programming with latest integrated development environments installed on systems like C/C++, Netbeans, Eclipse, VB.Net Developer 2010 and many more. Internet Lab with high speed Internet connectivity is provided to the students for whole working hours.

ELECTRONICS & COMMUNICATION ENGINEERING

Guru Nanak Dev University, Regional Campus is the right place for younger generations who have thirst for knowledge and become a leader of the technology advancement. The Department of Electronics and Communication Engineering was established in the year 2002 at the Guru Nanak Dev University Regional Campus, Gurdaspur to start a 4-year B.Tech. Degree & 2- Year M.Tech (Electronics & Communication Engineering) Specialization (Communication Systems) programme. The Department has been successfully catering the needs of the students hailing from different parts of the country and Punjab itself. The department faculty members are experts of their subjects and provide the students a right balance between theory and practical work. Students are counselled from time to time for their personality development and preparing them to face the Interviews. The faculty regularly attends various International/National Conferences/Symposia and

Workshops to keep themselves updated. Department has a licensed version of MATLAB, MULTISIM, ULTIBOARD and OPTISYSTEM software which can be used in the research work of optical communication field. Lab VIEW is another tool available in the department which inspires the students to solve problems, gives them the confidence to continually innovate and successfully complete their unique project. Department also have the various fully equipped labs such as Electronic Devices and Circuits, Communication Systems, Digital Electronics lab etc

LAWS

Department of Laws was established at Guru Nanak Dev University Regional Campus Gurdaspur in the year 1999. The main aim to start Law Course at Gurdaspur is to cater to needs of the students of Backward Area. At present the department offers B.A LL.B (FYIC) Hons Course and the students from nearby areas of Gurdaspur like Batala, Dhariwal, Dinangar, Pathankot, Mukerian, and the other adjoining states like Jammu and Kashmir, Himachal Pradesh has taken admission here. The pass out students of this department is doing very well in their life. Every year 2-3 students clear PCS Judicial Exams and working as judges, others settled as lawyers, Assistant District Attorneys, good number of students opts for Master Degrees and chooses their carrier as law teachers.

FACULTY

COMMERCE AND BUSINESS MANAGMENT

Head: Rishi Raj Sharma, Ph.D. (Associate Professor)

Assistant Professors: Harpreet Singh Chahal, Ph.D; Amardeep Kaur Ahluwalia, Ph.D;
Arwinder Singh, Ph.D; Sapna, M.Phil.

COMPUTER SCIENCE AND ENGINEERING

Head: Sandeep Kumar Sood, Ph.D. (Professor)

Assistant Professors: Amitpal Singh, M.Tech; Harjot Kaur, MCA; Taqdir, M.Tech;
Mini Singh Ahuja, M.S.; Sharanjeet Singh, M.Tech.; Sandeep Kaur, M.Tech.

ELECTRONICS & COMMUNICATION ENGINEERING

Incharge: Anu Sheetal, Ph.D. (Assistant Professor)

Assistant Professors: Shashi Bhushan Rana, Ph.D; Satbir Singh, M.Tech.; Harjit Singh, M.Tech.

LAWS

Head: Pawan Kumar, Ph.D. (Associate Professor)

Assistant Professors: Parminder Kaur, Ph.D; Amandeep Kaur, LL.M.

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

COMPUTER SCIENCE AND ENGINEERING

1. Dr Sandeep Kumar Sood, honored with State Level Award to deliver Services To Students And Society on 2nd September, 2016 by School Education Department, Government of Punjab.

ELECTRONICS & COMMUNICATION ENGINEERING

2. Dr. Anu Sheetal, received State level award from Punjab School Education Board for Carrier Guidance and Counselling, September 2016.

3. Er. Harjit Singh, received State level award from Punjab School Education Board for Career Guidance and Counselling, September 2016.

LAWS

4. Dr. Parminder Kaur, Got Award and Honoured at State level Function held on 5th September, 2016 at Gurdaspur on Teachers Day organized by Punjab School Education Board in collaboration with Bhai Ghanayia ji Punjab State Guidance Councillors Students Association.

PAPERS PUBLISHED IN PEER REVIEWED JOURNALS

COMMERCE AND BUSINESS MANAGEMENT

1. Sharma, N. & Sharma, Rishi, R.S.(2016), Influence of Store Atmospherics on Retail Store Patronage: A Study of Apparels & Lifestyle Products, Abhigyan, FORE School of Management, New Delhi. Vol. 34 No. 2 Indexed with GALE Cengage Learning (Farmington Hills, USA), Cabell, Directory of publishing opportunities in management of Cabell Publishing Inc. (Texas, USA), The Psyc INFO bibliography database of the American Psychological Association and Ulrich, International Periodicals Directory, USA.
2. Ahluwalia, A.K. & Raghbir, S. (2016), Children Attitude towards TV Advertisements: A Gender-wise Comparison Study, NICE Journal of Business, Vol. 11, No.1&2:19-33, ISSN No.0973-449X.
3. Ahluwalia, A.K. & Kamal Preet (2016), Influence of TV Ads on Children from Mothers Viewpoint: A Comparative Study amongst Graduate & Undergraduate Mothers, JIM Quest, Vol. 12, No.2: 23-32, ISSN No.0975-6280.
4. Ahluwalia, A.K. & Kamal Preet (2016), Sources of Motivation for Purchases/Purchase Requests made by Children and Effects of TV Ads on Buying Products, Jaipuria International Journal of Management Research, Vol. 2, No.2: 67-74, ISSN No.2454-9509.
5. Ahluwalia, A.K. & Preeti, S. (2016), Consumer Awareness and Consumer Activism among Adolescents: A Socialization Perspective, The IUP Journal of Marketing Management, Vol. 15, No.1: 49-69, ISSN No.0972-6845.
6. Ahluwalia, A.K. & Preeti S. (2016), Online Buying Behavior: A Case Study of Jalandhar City in Punjab, Pacific Business Review International, Vol. 8, No.7: 23-72, ISSN No.0974-438X.
7. Ahluwalia, A.K. & Kamal Preet (2016), Locus of Control among University Teachers: An Empirical Study, IJETSRS, Vol. 3, No.1: 75-80, ISSN No.2394-3386.

COMPUTER SCIENCE AND ENGINEERING

8. Rajinder Sandhu, Sandeep K. Sood, (2016), A Stochastic Game Net Based Model for Effective Decision Making in Smart Environment, Concurrency and Computation: Practice and Experience, John Wiley and Sons.
9. Sanjay Sareen, Sandeep K. Sood, Sunil Kumar Gupta (2016), Cloud based Seizure Alert System for Epileptic Patients using Higher Order Statistics, Computing in Science and Engineering, IEEE Magazine, September/October: 56-67.
10. Munish Bhatia, Sandeep K. Sood (2016), Temporal Informative Analysis in Smart-ICU Monitoring: M-Healthcare Perspective, Journal of Medical Systems, Springer, Vol. 40, No. 8: 190-204.

11. Sanjay Sareen, Sandeep K. Sood, Sunil Kumar Gupta (2016), An Automatic Prediction of Epileptic Seizures using Cloud Computing and Body Sensor Networks, *Journal of Medical Systems*, Springer, Vol. 40, No. 11: 226-243.
12. Sanjay Sareen, Sandeep K. Sood, Sunil Kumar Gupta (2016), IOT-based Cloud Framework to Control Ebola Virus Outbreak, *Journal of Ambient Intelligence and Humanized Computing*, Springer.
13. Gaganpreet kaler, Sandeep kaur (2016), Analysis of HIV using Health Care System, *Journal of CiiT, International Journal*, Vol.8, ISSN: 0974-9632.
14. Taqdir Kaur (2016), Hexagonal Descriptor Particle Swarm Optimization with Knowledge-Crowding for Face Recognition, *International Journal of Signal and Image Processing and Pattern Recognition*, vol.9, pp-253-264.
15. Taqdir Kaur (2016), A Non - domination Pareto-based Scale- Invariant Approach for Face Recognition, *European Journal of Engineering and Science*, Vol.1, No.2.

ELECTRONICS & COMMUNICATION ENGINEERING

16. Rajni & Sheetal, Anu (2016), Performance Analysis of SOA Based Wavelength Converter Using XPM for All Optical Networks, *International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering*, Vol. 5, No. 7: 1111-1117, ISSN No: 2278-8875.
17. Rajni & Sheetal, Anu (2016), Analysis of SOA based XGM for future all optical wavelength converter, *International Journal of Modern Engineering Research*, Vol. 6, No. 3, ISSN No: 2249-6645.
18. Bakshi Aakriti & Sheetal, Anu (2016), Microwave Photonic Up and Down Converter, *International Journal of Advance Research*, Vol. 4, No. 5: 259-262, ISSN No: 2309-4893.
19. Ruchi & Sheetal, Anu (2016), Comparison of Reactive and Hybrid Routing Protocols in MANET Networks using FTP Application, *International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering*, Vol. 5, No.5: 3900-3906, ISSN No: 2278-8875.
20. Ruchi, Sheetal, Anu, & Singh Harsukhpreet (2016), Optimization of GRP Protocol in IEEE 802.11g MANET for variable neighbour expiry time, *International Journal of Advanced Research in Computer and Communication Engineering*, Vol. 5, No.5:709-712, ISSN No: 2278-1021.
21. Bala Suruchi, & Sheetal, Anu (2016), Solitons: Novel Approach for Dispersion Management, *International Journal of Research in Engineering and Technology*, Vol. 4, No.7: 411-418, ISSN No: 1309-0127.
22. Bala Suruchi & Sheetal, Anu (2016), Influence of Birefringence on the Stability of optical Soliton Pulses over Non-linear Regime, *Research Cell, International Journal of Engineering Sciences*, Vol. 17: 464-470, ISSN No:2320-0332.
23. Singh Hargun, Sheetal, Anu, Singh Maninder (2016), Investigating the performance of different Zero Cross Correlation codes in OCDMA System, *Imperial Journal of Interdisciplinary Research*, Vol. 2, No.6 : 1177-1182, ISSN No: 2454-1362.
24. Singh Hargun, Sheetal, Anu, Singh Maninder (2016), Performance analysis of 2D Multi-diagonal code for OCDMA system, *International Research Journal of Engineering and Technology*, Vol. 3, No.5: 1282-1287, ISSN No: 2309-4893.
25. Bala Kiran & Sheetal, Anu (2016), Performance Analysis of RZ and NRZ Modulation Format for Moderate Weather Condition for 2.5 Gb/s PoISK-FSO, *International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering*, Vol. 5, No.6: 4975-4980, ISSN No: 2278-8875.
26. Bala Kiran, and Sheetal, Anu (2016), Performance Analysis of 8Å—10 Gb/s WDM PoISK-FSO for Different Channel Spacing under Critical Weather Conditions, *International Journal of Modern Engineering Research*, Vol. 6, No.3, ISSN No: 2249-6645.

27. Bhanot Rhythm and Sheetal, Anu (2016), Performance analysis of BPON on Alcatel and Corning fibers, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, ISSN No:2320-3765.
28. Rana, Shashi B., Hudiara, I. S., Pandey Sudhakar and Singh Raminder (2016), Effect of Co Doping on Structural, Optical, and Magnetic Properties of Fe-Doped ZnO Nanoparticles, Journal of Superconductivity And Novel Magnetism Vol. 29, No.1: 819-827, ISSN No: 1557-1947.
29. Rana, Shashi B., Hudiara, I. S. and Singh Raminder (2016), Effect of Calcination Temperature on the Structural, Optical and Magnetic Properties of Pure a Fe doped ZnO Nanoparticles, Material Science Poland, Vol. 34, No. 2: 451-459, ISSN No: 2083-1331.
30. Rana, Shashi B., Hudiara, I. S. and Singh Raminder (2016), Influence of Co-doping on the Structural, Optical and Magnetic Properties of ZnO Nanoparticles, International Journal of Nanoelectronics and Materials Vol. 9: 1-8, ISSN No: 2232-1535.
31. Sharma Puneet and Rana, Shashi B. (2016), Development of modified AES algorithm for Data Security, International Journal for Light and Electron Optics Optik, Vol. 127: 2341-2345, ISSN No.: 0030-4026.
32. Rana, Shashi B. and Singh, R. P. P. (2016), Investigation of Structural, Optical, Magnetic Properties and Antibacterial Activity of Ni-doped Zinc oxide, Journal of Material Science: Material in Electronics (Springer), Vol. 27, No. 9: 9346-9355, ISSN No. : 0957-4522.
33. Arora Rajat, Rana, Shashi B., Arya Sandeep and Khan Saleem (2016), Performance evaluation of micromachined fabricated multiband horn-shaped slotted patch antenna, Journal of Computational Electronics, Vol. 15, No. 3, ISSN No.:1572-8137
34. Rahul and Rana, S.B. (2016), Dimensional Scaling Effect on Silicon Nanowire Based Field Effect Transistor, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol.5, No. 4: 74-78 , ISSN No.: 2278-8875.
35. Rahul and Rana, S.B. (2016), Electrical Characterization of 5 nm Semiconductor Nanowire Based FET Devices, International Journal of Scientific and Technical Advancement, Vol. 1, No.1: 1-4, ISSN No.: 2454-1532.
36. Lahoria, Neha, Rana, Shashi B.(2016), Review of PIFA, International Journal of Electronics & Communication Technology, Vol. 7, No. 2: 66-68, ISSN No.: 2230-7109.
37. Mehak, Rana, Shashi B. and Bhomia, Yogesh (2016), Design of a Combined Crown and Sierpinski Fractal Antenna, International Journal of Electronics & Communication Technology Vol. 7, No. 3: 9-14, ISSN No. :2230-7109.
38. Rana, S.B., Mehak (2016), Design and Analysis of Modified Sierpinski Gasket Fractal Antenna, International Journal of Computer Sciences and Engineering, Vol. 4, No.6: 150-155, ISSN No.: 2347-2693.
39. Rana, S.B., Mehak (2016), Design of rectangular shaped fractal microstrip patch antenna, International Journal of Modern Electronics and Communication Engineering, Vol.4, No. 5: 35-40, ISSN No: 2321-2152.
40. Pandey, Anchal and Rana, Shashi B. (2016), Performance Enhancement of Microstrip Patch Antenna by Simultaneously Incrementing the Symmetrical V-slots in Three Different Configurations, Vol. 5, No. 6: 54-61, ISSN No.: 2278-0181.
41. Pandey, Anchal and Rana, Shashi B. (2016), Optimization of feed position within Triad of Symmetrical V-slots loaded rectangular micro-strip patch antenna, International Journal of Engineering applied Science and Technology, Vol. 1, No. 8: 72-78, ISSN No.: 2455-2143.
42. Pandey, Anchal and Rana, Shashi B. (2016), Review of Metamaterials, Types and Design Approaches, International Journal of Engineering Sciences, Vol. 17, No. 1: 359-363, ISSN No. :2320-0332.

43. Manjit kaur and Shashi B. Rana (2016), Inset fed Microstrip Rectangular Patch Antenna with $\hat{\epsilon}^{\sim} + \hat{\epsilon}^{\text{TM}}$ Shaped Slots for Wireless Applications, International Journal of Microwave and Optical Technology, Vol.11, No. 4: 282-287, ISSN No.:1553-0396.
44. Kaur, Manjit and Rana, Shashi B. (2016), Design of Star Shaped Slotted Rectangular Microstrip Patch Antenna for Multiband Applications, International Journal of Engineering Research & Technology, Vol. 5, No. 6: 282-285, ISSN No.: 278-0181.
45. Lakhanpal, Aakanksha, Rana, Shashi B. and Rana, Ashwani K.(2016), Review on Double-gate MOSFETs- Scaling, Operation, Challenges and Opportunities, International Journal of Advanced Research, Vol. 4, No. 6: 367-372, ISSN No.: 2320-5407.
46. Lakhanpal, Aakanksha, Rana, Shashi B. and Rana, Ashwani K. (2016), Performance analysis of FDSOI MOSFET for different metal gate work-function, Vol. 1, No.8: 317-322, ISSN No.: 2455-2143.
47. Sharma, Abhitesh and Rana, Shashi B. (2016), Modeling and Simulation of Dual Cavity based Tapered Slot Antenna, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 5, No. 6: 5406-5411, ISSN No.: 2278-8875.
48. Reena and Rana, Shashi B. (2016), Review on Co-operative Techniques for Energy Efficient Routing, International Journal of Modern Computer Science, Vol. 4, No. 2: 131-135, ISSN No. 2320-7868.
49. Singh, P., Singh, Satbir (2016), Effect of four wave mixing at different channel allocation schemes for DWDM Communication System, International Journal of Advanced Research in Computer and Communication Engineering, Vol.5, No.4: 835-840, ISSN No: 2278-1021.
50. Bajwa G., Singh, Satbir (2016), Simulative analysis of CPFSK based bidirectional radio over fiber Communication System employing CPFSK Technique, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol.5, No.5: 3754-3761, ISSN No: 2278-8875.
51. Bajwa G., Singh, Satbir (2016), Simulative Analysis of 4-channel WDM ROF-PON using CPFSK based on reflective semiconductor optical amplifier (RSOA), International Journal of Engineering Science and Computing, Vol.6, No.5: 6819-6823.
52. Sharma P., Singh, Satbir (2016), Simulative Analysis of 80Gbps NGPON stage -2 based TWDM scheme with different data formats, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol.5, No.5: 3762-3769, ISSN No: 2278-8875.
53. Sharma P., Singh, Satbir (2016), Simulative Analysis of 40Gbps NGPON stage -2 based TWDM scheme with different data formats, International Journal of Engineering Science and Computing, Vol.6, No.5: 6813-6818.
54. Bala,K., Singh, Satbir (2016), A Proposed Method to Minimize Energy Consumption in Wireless Sensor Network, International Journal for Scientific Research & Development, Vol.4, No.3: 1423-1425, ISSN No: 2321-0613.
55. Priya, Singh, Satbir, and Sheetal, A. (2016), Analysis of EDFA based 16-channel C-band optical WDM system for different pumping schemes, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol.5, No.7: 1111-1117, ISSN No: 2278-8875.
56. Nikhil, Singh, Satbir (2016), Comparative Analysis of single slot and U-slot antennas for satellite applications, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol.5, No.5: 3523-3530, ISSN No: 2278-8875.
57. Nikhil, Singh, Satbir (2016), Single and double u-slot micro strip patch antenna with enhanced bandwidth and gain, International Journal of Engineering Research, Vol. 4, No.3: 452-457, ISSN No: 2319-6890.
58. Singh, Satbir, Hemant, R. S. (2016), An Overview of Fifth Generation (5G) Technology for Advanced Mobile and Wireless Communication Services An Overview of Fifth Generation (5G) Technology for

Advanced Mobile and Wireless Communication Services, The Research Journal, Vol. 2, No.4: 7-10, DOI: 10.13140/RG.2.1.4782.8729, ISSN No: 2454-4930.

59. Singh, P., Singh, Satbir (2016), Survey of four wave mixing with different number of channels under the impact of different channel spacing, International Journal of Engineering Sciences, Vol. 17, No.1: 409-414, ISSN NO: 2320-0332.
60. Singh, Satbir., Raj, T., Singh, and Kaur, N.(2016), Optoelectronic and photovoltaic performances of pyridine based monomer and polymer capped ZnO dye sensitized solar cells, Journal of Nanoscience and Nanotechnology, Vol. 16, No. 6: 5975-5983, ISSN No: 1533-4899.
61. Singh, Satbir, Hemant, R.S. (2016), Molecular Receptor Antennas for Nano Communication: An Overview, International Journal of Research in Electronics and Computer Engineering, Vol. 4, No.1: 14-16, ISSN No: 2348-2281.
62. Singh, Satbir, Singh, A., and Kaur, N. (2016), Effect of monomer and polymer capped dyes on the photovoltaic performances of ZnO based solar cells, Technology Letters, Vol.3, No.2: 9-19, ISSN No: 2348-8131.
63. Singh, Satbir, Singh, A., and Kaur, N. (2016), Imine Linked Receptors decorated ZnO based Dye-Sensitized Solar Cells, Bulletin of Materials Science, Springer, Vol.39, No.6: 1371-1379, ISSN No: 0973-7669.
64. Singh, Satbir, Singh, A., and Kaur, N. (2016), Efficiency Investigations of Organic/Inorganic Hybrid ZnO Nanoparticles Based Dye-Sensitized Solar Cells, Journal of Materials, Hindawi, Vol. 2016, Article ID 9081346, ISSN No: 2314-4874.
65. Singh, Harjit Singh, & Deepshikha (2016), Space Time Block Coding for Wireless Communication System: Principal and Techniques, International Journal of Core Engineering & Management, Vol. 3, Issue. 1: 160-167, ISSN: 2348-9510.
66. Mahajan, Kayna and Singh, Harjit (2016), MANET, its types, Challenges, Goals and Approaches: A Review, International Journal of Science and Research, Vol. 5, Issue 5: 1591-1594, ISSN: 2319-7064.
67. Saini, Manjyot and Singh, Harjit (2016), VANET, its Characteristics, Attacks and Routing Techniques: A Survey, International Journal of Science and Research, Vol. 5, Issue 5: 1595-1599, ISSN: 2348-9510.
68. Kaur, Pahulpreet and Singh, Harjit (2016), New Era in Solid State Lighting: Organic Light Emitting Diode (OLED), International Journal of Core Engineering & Management, Vol. 3, Issue 2: 37-46, ISSN: 2348-9510.
69. Kaur, Manjot, & Singh, Harjit (2016), A Review: Comparison of Silicon Solar Cells and Thin Film Solar Cells, International Journal of Core Engineering & Management, Vol. 3, Issue 2: 15-23, ISSN: 2348-9510.
70. Singh, Amritpal. & Singh, Harjit (2016), Peak to Average Power Ratio Reduction in OFDM System using Hybrid Technique, Optik, International Journal for Light and Electron Optics, Vol. 127, Issue. 6: 3368-3371, ISSN: 0030-4026.
71. Kaur, Navanpreet, Singh, Harjit (2016), MANET, Security Attacks and Routing Protocol: A Survey in International Journal of Science and Research, Vol. 5, Issue. 5: 1579-1582, ISSN: 2319-706.
72. Sharma, Swati, Singh, Harjit (2016), Comparison of Different Digital Modulation Techniques in LTE System using OFDM AWGN Channel: A Review, International Journal of Computer Applications, Vol. 143, No.3:1-4, ISSN: 0975-8887.

LAWS

73. Pawan Kumar (2016), Cordial Relationship between Judiciary and Legislature an Essence of Democracy: A Critical View, PLEBS Journal of Law, Vol. II: 212-225, ISSN No. 2454-4124.

74. Parminder Kaur, Arshipal Kaur (2016), Whistle blower Protection Act, 2011-Whether Supplements the Right to Information Act, 2005: A Critical Evaluation, Army Institute of Law Journal, Vol. IX: 102-117, ISSN No.0975-8208.

PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS

ELECTRONICS & COMMUNICATION ENGINEERING

1. Rajni, Sheetal Anu, (2016), Optical Wavelength Converter Based on FWM in SOA-MZI Configuration, International Conference on Advancements in Engineering and Technology, VoL.57: 403-406, ISBN: 978-81-924893-1-5.
2. Bala Kiran, Sheetal Anu, Singh Karamdeep, Devra Shivinder (2016), A Survey on Improvement in Free space Optics Using Modulation Techniques, National Conference on Advancements in Engineering and Technology, Management and Sciences: 157-159.
3. Bala Suruchi, Sheetal Anu (2016), High Speed Computing Using Photonic Based Technology, National Conference on Latest Initiative and Innovations in Communication and Electronics, Chandigarh University: 65-68.
4. Bhanot Rhythm, Sheetal Anu, Karamdeep Singh, Shivinder Devra (2016), Performance Analysis of hybrid PON, National Conference on Advancements in Engineering and Technology, Management and Sciences, Vol.3: 237-240.
5. Bakshi Aakriti, Sheetal Anu (2016), Suppression of Mixing Spurs, National Conference on Latest Initiatives & Innovations in Communication and Electronics, Chandigarh University: 181-185.
6. Arora, Rajat Rana, Shashi B., Arya, Sandeep and Khan Saleem (2016), Performance Evaluation of the Multi-slotted Micro-machined Patch Antenna, 3rd International Conference on Computing for Sustainable Global Development: 876 - 879, ISBN: 978-1-4673-9417-8.
7. Singh, Satbir, Singh, A. and Kaur, N. (2016), Optical and Photovoltaic Performances of monomer and Polymer Decorated ZnO based dye Sensitized Solar Cells, National Conference on Frontiers in Light-Matter Interaction, Department of Physics, I.I.T, Ropar.
8. Goraya, N., Singh, Satbir, (2016), Synthesis and Optical properties of CuO nanocrystals with controllable shapes and size, International Conference on Advancements in Engineering & Technology, BGIET, Sangrur, ISBN: 978-81-924893-1-5.
9. Bala, K., Singh, Satbir (2016), Wireless Sensor Network-A Survey, International Conference on Advancements in Engineering & Technology, BGIET, Sangrur, ISBN: 978-81-924893-1-5.
10. Priya, Singh, Satbir (2016), Performance Analysis of 8-channel EDFA Based WDM Communication System, International Conference on Advancements in Engineering & Technology, BGIET, Sangrur, ISBN:978-81-924893-1-5.
11. Kaur, Ramanpreet and Singh, Harjit (2016), Analysis of 16 x 10 Gb/s System with Hybrid Amplifier and FBG at Different Raman Pump Powers and Length, 4th International Conference on Advancements in Engineering & Technology: 163-168, ISBN: 978-81-924893-1-5.

CHAPTERS PUBLISHED IN BOOKS

COMPUTER SCIENCE AND ENGINEERING

1. Taqdir Kaur (2016), 'Feature Optimality based Semi-Supervised Face Recognition Approach', published as Springer book chapter in proceedings of the 5th International Conference on Frontier in Intelligence Computing Theory and Applications, pp-978-981 (10-3152-6).

INTERNATIONAL CONFERENCES ATTENDED

COMMERCE AND BUSINESS MANAGEMENT

1. Rishi Raj Sharma, Attended International Conference on Marketing, Technology and Society organized by Indian Institute of Management, Kozhikode, 29th September-01st October, 2016.
2. Amardeep Kaur Ahluwalia, Attended Contemporary Social Issues organized by Department of Mathematics & Humanities in collaboration with Women Cell, M.M. Engineering College, Maharishi Markandeshwar University, Mullana, Ambala, 11th November, 2016.
3. Amardeep Kaur Ahluwalia, Attended International Conference on Innovative Research in Engineering, Science & Management organized by Academic Science & Conference, India Habitat Centre, New Delhi, 28th February, 2016.
4. Amardeep Kaur Ahluwalia, Attended International Conference on Business & Human Resource Management, organized by Society of Technical & Management Professionals, Ernakulam, Cochin, India, 20-21st February, 2016.
5. Amardeep Kaur Ahluwalia, Attended International Conference on Emerging Trends of Engineering, Science & Management organized by Academic Science & Conference, India International Centre, New Delhi, 10th January, 2016.

COMPUTER SCIENCE AND ENGINEERING

6. Attended International Conference on Recent Developments in Science, Engineering & Technology organised by G D .Goenka University, Gurgaon, 21-22nd October, 2016.

LAWS

7. Pawan Kumar, Attended International conference on Violence against Girl Child and Women: Issues and Concern organized by Faculty of Law Swami Vivekanand Subharti University, Meerut 12-13th March, 2016.

NATIONAL CONFERENCES ATTENDED

COMMERCE AND BUSINESS MANAGEMENT

1. Amardeep Kaur Ahluwalia, Attended UGC sponsored National Conference on Emerging Trends in Electronics & Computer Engineering organized by Department of Electronics & Computer Engineering, Guru Nanak Dev University Regional Campus, Gurdaspur, 27th October, 2016.
2. H.S. Chahal, Attended UGC sponsored National Conference on Emerging Environmental Issues organized by Rajiv Gandhi Law University, Patiala, 5th March, 2016.
3. Harpreet, S.C., Attended UGC sponsored National Conference on Emerging Environmental Issues organized by Rajiv Gandhi Law University, Patiala, 5th March, 2016.

PAPERS PRESENTED IN INTERNATIONAL CONFERENCES

COMMERCE AND BUSINESS MANAGEMENT

1. Rishi Raj Sharma, Paper entitled 'Modeling the Effects of Creativity in Viral Video Advertising-An Empirical Study' presented in International Conference on Marketing, Technology and Society organised by Indian Institute of Management, Kozhikode, 29th September-01st October, 2016.
2. Amardeep Kaur Ahluwalia & Kamal Preet, Paper entitled 'Measurement of Organizational Commitment amongst Female Teachers: A Comparison between State & Private Universities' presented in International Conference on Contemporary Social Issues organized by Department of Mathematics &

Humanities in collaboration with Women Cell, M.M. Engineering College, Maharishi Markandeshwar University, Mullana, Ambala, 11th November, 2016.

8. Amardeep Kaur Ahluwalia & Kamal Preet, Paper entitled 'Work Motivation: A Conceptual Study' presented in International Conference on Innovative Research in Engineering, Science & Management organized by Academic Science & Conference, India Habitat Centre, New Delhi, 28th February, 2016.
3. Amardeep Kaur Ahluwalia & Preeti Sanan, Paper entitled 'Influence of Socialization Agents on Materialism among Adolescents' presented in International Conference on Business & Human Resource Management organized by Society of Technical & Management Professionals, Ernakulam, Cochin, India, 20-21st February, 2016.
4. Amardeep Kaur Ahluwalia & Kamal Preet, Paper entitled 'Locus of Control amongst University Teachers: An Empirical Study' presented in International Conference on Emerging Trends of Engineering, Science & Management organized by Academic Science & Conference, India International Centre, New Delhi, 10th January, 2016.

LAWS

5. Pawan Kumar, Paper entitled 'Women, Cyber Space and Cyber crime: Issues and Challenges organized by Faculty of Law, Swami Vivekanand Subharti University, Meerut, 12-13th March, 2016.

PAPERS PRESENTED IN NATIONAL CONFERENCES

COMMERCE AND BUSINESS MANAGEMENT

1. Amardeep Kaur Ahluwalia & Kamal Preet, Paper entitled 'Work Motivation in relation to Organizational Commitment amongst University Teachers' presented in UGC sponsored National Conference on Emerging Trends in Electronics & Computer Engineering organized by Department of Electronics & Computer Engineering, Guru Nanak Dev University Regional Campus, Gurdaspur.
2. Harpreet Chahal, Paper entitled 'Environmental Sustainability: A study of Green dex' presented in UGC sponsored National Conference on Emerging Environmental Issues organized by Rajiv Gandhi Law University, Patiala, 5th March, 2016.
3. Harpreet Chahal, Paper entitled 'Issues in Hospitality Management' presented in UGC sponsored National conference on Emerging Environmental Issues, organized by Rajiv Gandhi Law University, Patiala, 5th March, 2016.
4. Arwinder Singh, Paper entitled 'Customer Relationship Management in India' presented in UGC Sponsored National Seminar on Emerging Trends in Retailing organized by Shanti Devi Arya Mahila Post Graduate College, Dinanagar, Gurdaspur, 27th October, 2016.

ELECTRONICS & COMMUNICATION ENGINEERING

5. Rana, Shashi B, Paper entitled 'Performance Analysis of graded Channel Double gate MOSFET in nano regime using TCAD simulation' presented in National conference on Latest Initiative and Innovation in Communication and Electronics organized by Chandigarh University, Gharuan, Punjab, 29th April, 2016.
6. Singh, Satbir, Singh, A. and Kaur, N., Paper entitled 'Optical and Photovoltaic performances of Monomer and Polymer decorated ZnO based dye Sensitized Solar Cell' presented in National Conference on Frontiers in Light-Matter Interaction organized by Department of Physics, I.I.T, Ropar, 4-5th March, 2016.

LAWS

7. Pawan Kumar, Paper entitled 'Rural Education in Punjab-A Critique' presented in National Seminar on Rural Development for Inclusive Growth in Punjab organized by Pt. Mohan Lal S.D College for Women, Gurdaspur, 18-19th March, 2016.
8. Pawan Kumar, Paper entitled 'Protection of Farmers Right to food: Issues and Challenges' presented in National Seminar on Empowerment of Indian Agricultural Sector & the Law organized by Swami Shukdevanand Law College, Shahjahanpur, 27-28th February, 2016.
9. Parminder Kaur, Paper entitled 'Role of Panchayati Raj Institution in growth of Punjab' presented in National Seminar on Rural Development for Inclusive Growth in Punjab organized by Pt. Mohan Lal S.D College for Women, Gurdaspur, 18-19th March, 2016.
10. Parminder Kaur, Paper entitled 'Concept of Gender Justice in India' presented in National Seminar on Preamble: The Vision of Dr. B.R. Ambedkar, organized by Department of Law, Evening Shift, Punjabi University, Patiala, 12th March, 2016.
11. Amandeep Kaur, Paper entitled 'Rural Education in Punjab-A Critique' presented in National Seminar on Rural Development for Inclusive Growth in Punjab organized by Pt. Mohan Lal S.D College for Women, Gurdaspur, 18-19th March, 2016.
12. Amandeep Kaur, Paper entitled 'Gender Based Violence in India-Critical Appraisal' presented in National Seminar on Preamble: The Vision of Dr. B.R. Ambedkar, organized by Department of Law, Evening Shift, Punjabi University, Patiala, 12th March, 2016.

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

COMMERCE AND BUSINESS MANAGEMENT

1. Amardeep Kaur Ahluwalia, Attended UGC sponsored National Seminar on Emerging Trends in Retailing organized by Shanti Devi Arya Mahila College, Dinanagar, Gurdaspur.

ELECTRONICS & COMMUNICATION ENGINEERING

2. Attended Workshop on Photo Voltaic and Micro and Nano characterizations techniques organized by IISC, Bangalore, 1- 9th December, 2016.

LAWS

3. Pawan Kumar, Participated as Resource Person in UGC Sponsored Workshop on Human Rights in India: An overview, organized by Guru Nanak Dev University College, Narot Jaimal Singh, Pathankot, 19th April, 2016.
4. Amandeep Kaur, Attended 100th General Orientation Course: 15-12-2016 to 11-1-2017 organized by Human Resource Development Centre, Guru Nanak Dev University, Amritsar.

INVITED LECTURER/EXTENSION LECTURERS/TALKS/ CHAIRING A SESSION/DISCUSSANT

COMMERCE AND BUSINESS MANAGEMENT

1. Arwinder Singh, delivered an Extension Lecture titled 'Basics of SPSS' at Shanti Devi Arya Mahila College, Dinanagar, 7th November, 2016.
2. Arwinder Singh, delivered a Guest Lecture titled 'Research Methodology' at Shanti Devi Arya Mahila College, Dinanagar, 21st April, 2016.

3. Arwinder Singh, delivered an Extension Lecture titled 'Research Methodology' at Pt. Mohal Lala S.D. College for Women, Gurdaspur, 12th April, 2016.

COMPUTER SCIENCE AND ENGINEERING

4. Sandeep K. Sood, delivered Invited lecture titled 'Elements of Research' at Academic Staff College, Guru Nanak Dev University, Amritsar, 2016.
5. Sandeep K. Sood, delivered Invited lecture titled 'How to Write Research Projects' at Academic Staff College, Guru Nanak Dev University, Amritsar, 2016.
6. Sandeep K. Sood, delivered Invited lecture expert talk titled 'Security of Password in E-Commerce Transactions' at UGC Sponsored National Seminar on Latest Emerging Trends in Computer Science & Information Technology, Kapurthala, 2016.
7. Delivered Invited lecture titled 'TCP/UDP protocols' at PT.Mohan Lal S.D College, Gurdaspur, 8th October, 2016.
8. Delivered Invited lecture titled 'Various Technology Trends and Comparisons' at PT. Mohan Lal S.D College, Gurdaspur, 12th November, 2016.

ELECTRONICS & COMMUNICATION ENGINEERING

9. Delivered lecture titled 'Electronics Component, Circuits and Devices' at Shanti Devi Mahila Vidyalaya Dinangar, Punjab, 25th January, 2016.
10. Delivered lecture titled 'Nanotechnology- Technology of future' at Sai College of Engineering and Technology, Bhadhani, Punjab, 24th May, 2016.
11. Delivered lecture titled 'Nanomaterial Antenna' at National level Seminar on Wireless and Antenna Technology, Sai College of Engineering and Technology, Bhadhani, 12th March, 2016.

LAWS

12. Amandeep Kaur, delivered lecture titled 'Streedhan and Dowry' at Department of Sociology, R.R Bawa DAV College for Girls, Batala, 8th October, 2016.

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

ELECTRONICS & COMMUNICATION ENGINEERING

1. The department has an active technical student society TSS# which organizes workshops and seminars from time to time on VLSI, Embeded System Design, PLC & SCADA, Internet of Things, MATLAB and Android Based Real Time Applications by various professional trainees from different companies such as Netmax; Chandigarh, Ducat; Noida, Techies ;Amrtisar, Eureka Forbes; Chandigarh, Hcl; Pathankot etc.