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 of 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

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 Programme. The Department imparts high quality education in Electronics and Communication Engineering to produce competent technical manpower to meet the growing demand of the global industrial sector and cultivates young minds to grow and excel in the technical world. Students are motivated to participate in the various activities like mock tests, group discussions, seminars, workshops to improve soft skills and enrich their personalities.. The department is catering to the needs of the students hailing from various parts of the country especially the backward and border areas of Punjab. It has highly qualified faculty members to educate the students theoretically and practically as per the industrial requirement. Department is equipped with the most advanced laboratories of Electronic Devices and Circuits, Communication Systems, Digital Electronics, Microprocessor, Microwave Engineering, Industrial Electronics etc. Also various licensed version softwares such as Opti System, Lab VIEW, MATLAB, CST-Studio are available for research work.

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) Course and the students from nearby areas of Gurdaspur like Batala, Dhariwal, Dinanagar, Pathankot, Mukerian, and other adjoining states like Jammu and Kashmir, Himachal Pradesh has taken admission here. The Pass Out students of this department are doing very well in their life. Every year 2-3 students clear PCS Judicial Exams and working as Judges, other settled as lawyers, good number of Student opt for Master Degrees and choose their carrier as law teachers.

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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.

    Assistant Professors (Part time): Vaishali Sood; Nividha Mahajan; Smalty; Jugraj; Parminder Kaur;
                Shobhna; Saurabh Kher; Sandeep Singh; Tasbir Singh; Shobti; Mohit

                Anguralla

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. Shamsher Singh. Ph.D

RESEARCH PROJECTS ONGOING/GRANTS

COMPUTER SCIENCE AND ENGINEERING

Dr. Sandeep Kumar Sood

1. "Big Data, Internet of Things and Cloud Computing: Architecture, Issues and Applications in Indian Perspective", sanctioned by **Department of Electronics and Information Technology (DeitY)** costing **Rs. 14,76,000/-.** Ongoing

2. "Smart Disaster Management using Internet of Things (IoT) in Indian Perspective," **sanctioned by Council of Scientific and Industrial Research (CSIR)** costing **Rs. 19,62,000/-.** Ongoing

PAPERS PUBLISHED IN PEER REVIEWED JOURNALS

COMPUTER SCIENCE AND ENGINEERING

Dr. Sandeep Kumar Sood

1. Kaur, N., & Sood, S.K. (2017). An energy-efficient architecture for the Internet of Things (IoT). *IEEE Systems Journal*, *11*(2), 796-805, IF 3.882.

2. Sareen, S., Gupta, S. K., & Sood, S. K. (2017). An intelligent and secure system for predicting and preventing Zika virus outbreak using Fog computing. *Enterprise Information Systems*, *11*(9), 1436-1456. IF 1.908

3. Kaur, N., & Sood, S.K. (2017). Efficient Resource Management System Based on 4Vs of Big Data Streams. *Big Data Research*, *9*, 98-106.

4. Bhatia, M., & Sood, S. K. (2017). Game theoretic decision making in IoT-assisted activity monitoring of defence personnel. *Multimedia Tools and Applications*, *76*(21), 21911-21935. IF 1.530

5. Sareen, S., Sood, S K., & Gupta, S. K. (2017). Secure internet of things-based cloud framework to control zika virus outbreak. *International journal of technology assessment in health care*, *33*(1), 11-18. IF 0.912

6. Verma, P., Sood, S.K. Kalra, S. (2017). Student career path recommendation in engineering sr stream based on threee-dimensional model *Computer Applications in Engineering Education*, 25(4), 578-593. IF 0.694

7. Kaur, N., & Sood, S. K. (2017). Dynamic resource allocation for big data streams based on data characteristics (5 V s). *International Journal of Network Management*, *27*(4), e1978. IF 1.118

8. Kaur, R., Kaur, N., & Sood, S. K. (2017). Security in IoT network based on stochastic game net model. *International Journal of Network Management*, *27*(4), e1975. IF 1.118

9. Bhatia, M., & Sood, S. K. (2017). Internet of Things based activity surveillance of defence personnel. *Journal of Ambient Intelligence and Humanized Computing*, 1-16. IF 1.588

10. 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. IF 0.694

11. Sood, S. K., & Mahajan, I. (2017). Wearable IoT sensor based healthcare system for identifying and controlling chikungunya virus. *Computers in Industry*, *91*, 33-44. IF 2.731

12. 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. IF 1.588

13. Bhatia, M., & Sood, S. K. (2017). A comprehensive health assessment framework to facilitate IoT-assisted smart workouts: A predictive healthcare perspective. *Computers in Industry*, *92*, 50-66. IF 2.731

14. Mahajan, Y., Kaur, N., & Sood, S.K.. (2017). A Trustworthy System for Secure Access to Patient's Sensitive Information. *Telematics and Informatics*. IF 3.398

15. Sandhu, R., Kaur, N., Sood, S. K., & Buyya, R. (2018). TDRM: tensor-based data representation and mining for healthcare data in cloud computing environments. *The Journal of Supercomputing*, *74*(2), 592-614. IF 1.326

16. Verma, P., & Sood, S. K. (2018). Cloud-centric IoT based disease diagnosis healthcare framework. *Journal of Parallel and Distributed Computing*, *116*, 27-38. IF 1.976

17. Sood, S. K., Sandhu, R., Singla, K., & Chang, V. (2017). IoT, big data and HPC based smart flood management framework. *Sustainable Computing: Informatics and Systems*. IF 1.800

18. Sood, S. K., & Singh, K. D. (2017). SNA Based Resource Optimization in Optical Network using Fog and Cloud Computing. Optical Switching and Networking. IF 1.865

19. Sandeep Kaur , Amandeep Kaur (2018) "Review on Learning Analytics Tools", published in International Journal for Research in Technological Studies.

20. Sandeep Kaur (2018) "Predicate Logic System to predict and prevent Zika virus using cloud computing" published in International Journal of Research in Electronics and Computer Engineering (IJRECE).

21. Sandeep Kaur , (2018) "IOT Based Health Care System for HIV Analysis", published in IJARCS.

22. Sandeep Kaur , (2018) "IOT Based Health Care System for Cholera Infection ", published in journal International Journal on Future Revolution in Computer Science & Communication Engineering.

23. Sandeep Kaur , (2018) "Identification of Organisms using DNA barcodes", published in International Journal for Research in Technological Studies.

ELECTRONICS & COMMUNICATION ENGINEERING

24. Rana, Shashi B., Singh, R.P.P., and Arya, Sandeep (2017) Structural, optical, magnetic properties and antibacterial activity of Cobalt doped Zinc oxide nanoparticles, Journal of material science: material in Electronics, Springer, Vol. 28:2660-2672   ISSN No: 0957-4522 Indexed in SCI, Thomson Reuters (Impact factor: 2.324)

25. Arya, Sandeep, Lehana, Parveen, and Rana, Shashi B. (2017) Synthesis of Zinc Oxide Nanoparticles and Their Morphological, Optical, and Electrical Characterizations, Journal of Electronics Material, Springer, Vol. 46, No. 7: 4604-4611 ISSN No: 0361-5235   Indexed in SCI, Thomson Reuters (Impact factor: 2.882).

26. Rana, Shashi Bhushan (2017) Influence of CTAB assisted capping on the structural and optical properties of ZnO nanoparticles, Journal of Materials Science: Materials in Electronics, Springer, Vol. 28, No. 18: 13787–13796 ISSN No. 0957-4522 Indexed in SCI, Thomson Reuters, (Impact factor: 2.324)

27. Arora, Rajat, Rana, Shashi B., and Arya, Sandeep (2017) Performance analysis of ZnO and HfO2 micropillar based capacitive antenna, Journal of Electromagnetic wave and Applications, Taylor & Francis, Vol. 32, No. 9:1053-1068 ISSN No. 09205071 Indexed in SCI, Thomson Reuters (Impact factor: .864).

28. Sheetal, Anu, and Singh, Harjit (2017) Cost Efficient 4×2.5Gb/s Transparent WDM Ring Network using DML and MetroCor Fiber for Long Reach Applications, Journal of Optical Communications, pp.1-7 ISSN No. 01734911, Indexed in Scopus (Impact factor: 0.24).

29. Kaur, Amandeep, Sheetal, Anu, and Miglani, Rajan(2017) Impact of optical modulation formats on 10 G/2.5 G asymmetric XG-PON system, Optik - International Journal for Light and Electron Optics, Vol. 149, 351-358 ISSN No: 0030-4026 Indexed in Thomson Reuters, Scopus (Impact factor: 1.19).

30. Sheetal, Anu, and Singh, Harjit (2017) Comparative Analysis of 32×10Gb/s DWDM system using Raman-EDFA and YDFA-EDFA at Different Channel Spacing Vol. 9, No. 3: 343-352 ISSN No: 0975-6450, Indexed in UGC No:16752

31. Sharda, Pranav, Singh, Harjit and Sheetal, Anu (2017) Optimisation of LTE system with open- and closed-loop spatial multiplexing transmission modes, Australian Journal of Electrical and Electronics Engineering,Vol. 14, No. 3-4: 88-922 ISSN No. 1448837X Indexed in Scopus.

32. Sheetal, Anu, Sharma, Reecha, and Kumari, Meet (2017) Enhanced Performance of Spectral Amplitude Coding Optical Code Division Multiple Access System using Zero Cross Correlation Code Through Wired and Wireless Optical Channels, IOSR Journal of Electronics and Communication Engineering, Vol.12, No.4: 13-20 ISSN No. 2278-2834 Indexed in UGC No: 5016

33. Lovely, Singh, Satbir, and Mahajan, Saurabh (2017) Optical character recognition system for English script in offline processing, Imperial Journal of Interdisciplinary Research, vol. 03, No.5: 1644-1648, ISSN: 2454-1362. Indexed in UGC

34. Kaur, Jasneet, Singh, Satbir, and Mahajan, Saurabh (2017) Visibility enhancement and assessment of undersea image by ADCP method, Imperial Journal of Interdisciplinary Research, vol. 03, No. 1, ISSN: 2454-1362. Indexed in UGC

35. Kaur, Navjit, and Singh, Satbir (2017) Fuzzy based Dynamic Bandwidth Allocation Scheme for OFDMA-PON Wireless Systems, CiiT International Journal of Wireless Communication, Vol. 6, No. 9, ISSN: 0974 – 9640. Indexed in UGC

LAWS

36. Amandeep Kaur (2017) Outcome of Reservation Policy of India: Reverse Discrimination, Indian Bar Review Journal, Volume XLIV (1)2017ISBN: No. 978-81-931981-0.

37. Shamsher Singh (2017) Role of National Human Rights Commission in Context of Child Trafficking, Indian Journal of Law and Justice, Volume 8, No. 1: ISSN No. 0976-3570.

38. Shamsher Singh (2017) Ecological Unpleasantness and Recent Trends planned for sustainability, Army Institute of Law Journal, Volume X, ISSN No. 0975-8208.

39. Shamsher Singh (2017) Effects of Vehicular Pollution: A case study of Ludhiana city, RGNUL Law Review (RLR), Volume VII, No. 1, ISSN No: 2231-4938.

PAPERS PUBLISHED IN NON PEER-REVIEWED JOURNALS

ELECTRONICS & COMMUNICATION ENGINEERING

1. Katna, Pallavi, and Sheetal, Anu (2017) 'A Review on WDM and TDM PON using Different Coding Schemes for Extended Reach', International Journal of Advance Research in Science and Engineering, 6(3), pp 839-843.

2. Sheetal, Anu, and Singh, Harjit (2017) 'Comparative Analysis of 32×10Gb/s DWDM system using Raman-EDFA and YDFA-EDFA at Different Channel Spacing', International Journal of Electronics Engineering Research, 9(3) pp. 343-352.

3. Sheetal, Anu, and Singh, Harjit (2017) 'Cost Efficient 4×2.5Gb/s Transparent WDM Ring Network using DML and MetroCor Fiber for Long Reach Applications', Journal of Optical Communications, Degruyter, pp.1-7, 2017 (available online).

4. Kaur, Anureet, and Sheetal, Anu (2017) 'Review On Denoising And Detection Of QRS Complex Using Mamemi And Derivative Filter', International Journal of Innovative Research and Advanced Studies (IJIRAS), 4(7) pp. 128-130.

PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS

COMPUTER SCIENCE AND ENGINEERING

1. Sandeep Kaur, Preeti (2017), "An intelligent system for Predicting and preventing Chikungunya virus. published in international conference on Energy, Communication, Data analytics & soft computing (ICECDS) -2017, organized by SKR engineering college, Poonamallee, Tamil Naidu, India.

2. Sandeep Kaur, Jyotsna (2017), " "Gerontechnology: The study of Alzheimer disease using cloud computing", published in international conference on Energy, Communication, Data analytics & soft computing (ICECDS) -2017, organized by SKR engineering college, Poonamallee, Tamil Naidu, India.

3. Preet Kanwal Singh, Sandeep Kaur (2017), "Wear Between Ring and Traveler: A Pin-On-Disc Mapping of Various Detonation Gun Sprayed Coatings", published in 5th International Conference of Materials

Processing and Characterization (ICMPC 2016), organized by Science Direct, Materials today proceedings.

4. shivani and sharanjeet singh fruit disease ditection using conventional neural network approach, Asian journal of computer science and technology. Vol. 7, No. 2 , 2018 pp 62-65 ISSN 22490701

5. Sharanjeet Singh and Neha Mahant A robust hybrid algorithm for image watermaking, Asian journal of computer science and technology, Vol.7, No. 2, 2018, pp 66-69 ISSN 22490701

ELECTRONICS & COMMUNICATION ENGINEERING

6. Bhaskar, Ankita, and Singh, Harjit (2017) Design of Ultra Wide Band Bandpass Filter Using Microstrip Line and Complimentary Split Ring Resonators, Proceedings of 5th International Conference on Advancements in Engineering and Technology (ICAET-2017) March 24-25, 2017, pp.185-187

7. Sharda, Pranav, and Singh, Harjit (2017) The Role of WiMAX Technology In LTE Downlink Transmission, in the Proceedings of 5th International Conference on Advancements in Engineering and Technology (ICAET-2017) March 24-25, 2017, pp. 30-34.

8. Kaur, Ravneet, and Singh, Harjit (2017) Spectrum partitioning based conflict aware BSR-MPP (Backup Spectrum Reservation with Multipath Protection) technique for EON Networks-A Review, in the Proceedings of 5th International Conference on Advancements in Engineering and Technology (ICAET-2017), on March 24-25, 2017, pp. 120-123.

9. Kaur, Kamaljit, Singh, Harjit, and Sheetal, Anu (2017) A review paper on multicast contention resolution in elastic optical networks, in the Proceedings of 5th International Conference on Advancements in Engineering and Technology (ICAET-2017), on March 24-25, 2017, pp. 207-209.

10. Kaur, Agamjot, and Sheetal, Anu, (2017) Optimization techniques to achieve EDFA gain flattening with FBG results, in the Proceedings of 5th International Conference on Advancements in Engineering and Technology (ICAET-2017), on March 24-25, 2017, pp. 229-231.

11. Kaur, Anureet, and Sheetal, Anu, (2017) Review on denoising of ECG signal by proposed method and detection of QRS complex by MaMeMi filter, in the Proceedings of 5th International Conference on Advancements in Engineering and Technology (ICAET-2017), on March 24-25, 2017, pp. 11-13.

12. Sheetal, Anu, and Kaur, Maninder (2017) Comparison of SISO, SIMO and STBC using BPSK, in the Proceedings of 5th International Conference on Advancements in Engineering and Technology(ICAET-2017), on March 24-25, 2017, pp. 78-81.

13. Kaur, Navjit, and Singh, Satbir (2017) A review on the MAC dynamic bandwidth allocation for OFDMA-PON, Proceedings of 5th International Conference on Advancements in Engineering and Technology, pp. 17-21 March 24th-25th, 2017.

14. Kaur, Gurleen, and Singh, Satbir (2017) Optimization of coherent optical OFDM transmitter using DP-IQ modulator- A Review, Proceedings of 5th International Conference on Advancements in Engineering and Technology, (ICAET-2017), 2017pp. 27-29. March 24-25, 2017.

15. Pathania, Sonika, and Singh, Satbir (2017) Review of light harvesting improvement of organic solar cells with self enhanced active layers, UGC Sponsored National Conference on Emerging Trends in Electronics and Computer Engineering, GNDU Regional Campus, Gurdaspur, Feb 10-11,2017.

16. Goraya, N. and Singh, Satbir (2017) Synthesis, Characterization and Optoelectronic Studies of an Organic Ligand decorated CuO Nanoparticles for Nano Photonic Applications' International Conference on Complex Photonics, Tata Institute of Fundamental Research (T.I.F.R), Mumbai, January 22-24th, 2017.

17. Pallavi and Sheetal, Anu (2017) A Review on WDM and TDM-PON using Different Coding Schemes for Extended Reach" in3rd International Conference on Recent Development in Engineering Science, Humanities and Management held at NITTTR, Chandigarh on 26th March, 2017.

18. Uma and Sheetal, Anu (2017) A Review on Cost Effective and Comparison of DSP Schemes with Green TDM-PON for Next Generation Optical Access Networks" in3rd International Conference on Recent Development in Engineering Science, Humanities and Management held at NITTTR, Chandigarh on 26th March, 2017.

CHAPTERS PUBLISHED IN BOOKS

COMPUTER SCIENCE AND ENGINEERING

1. Sandeep Kaur (2017) 'Proposed better sequence alignment for identification of organisms using DNA barcodes' as Chapter in Books Published by national and International Level Publishers Book Title: Innovations in computational intelligence Chapter Title: Publisher: Springer.

ELECTRONICS & COMMUNICATION ENGINEERING

2. Pathania, S. and Singh, Satbir (2017) 'Synthesis and Optoelectronic studies of low band gap polymers and their role in highly efficient solar cells: An Overview' Proceedings of Nanotechnology for Energy and Water (Springer), pp. 1-7, ISSN/ISBN No. 978-81-928068-4-6.
3. Sharma, R. and Singh, Satbir (2017) 'The role of various spinel ferrites magnetic nanoparticles in the improvement of photovoltaic performance of organic solar cell: A Review' Proceedings of Nanotechnology for Energy and Water (Springer), pp. 1-7, ISSN/ISBN No. 978-81-928068-4-6.

INTERNATIONAL CONFERENCES ATTENDED

ELECTRONICS & COMMUNICATION ENGINEERING

1. Sheetal, Anu, attended international conference on Advancements in Engineering and Technology (ICAET-2017) organised by Bhai Gurdas Institute of Engineering & Technology, Sangrur, Punjab on March 24-25, 2017.
2. Singh, Satbir attended international conference on Advancements in Engineering and Technology (ICAET-2017) organised by Bhai Gurdas Institute of Engineering & Technology, Sangrur, Punjab on March 24-25, 2017.
3. Singh, Satbir attended international conference on Complex Photonics organized by Tata Institute of Fundamental Research (T.I.F.R), Mumbai, January 22-24th, 2017.
4. Sheetal, Anu attended international conference on Recent Development in Engineering Science, Humanities and Management held at NITTTR, Chandigarh on 26th March, 2017.
5. Singh, Harjit attended international conference on Advancements in Engineering and Technology (ICAET-2017) organised by Bhai Gurdas Institute of Engineering & Technology, Sangrur, Punjab on March 24-25, 2017.

NATIONAL CONFERENCES ATTENDED

COMPUTER SCIENCE AND ENGINEERING

1. Attended National Seminar on the topic, "Scope and Application of IoT", in UGS-Sponsored National seminar, held at GNDU,RC, Gurdaspur, on 10th- 11th Feb,2017
2. Attended National Seminar in UGC-sponsored national seminar on" Computing paradigms (CP2017)" organized by Dept. of Computer Science at GNDU, Amritsar, held on 7-8 2017.

ELECTRONICS & COMMUNICATION ENGINEERING

3. Singh, Satbir attended UGC Sponsored National Conference on Emerging Trends in Electronics and Computer Engineering organised by GNDU Regional Campus, Gurdaspur, Feb 10-11,2017.
4. Sheetal, Anu attended UGC Sponsored National Conference on Emerging Trends in Electronics and Computer Engineering organised by GNDU Regional Campus, Gurdaspur, Feb 10-11,2017.
5. Rana, Shashi B., attended UGC Sponsored National Conference on Emerging Trends in Electronics and Computer Engineering organised by GNDU Regional Campus, Gurdaspur, Feb 10-11,2017.

6. Singh, Harjit attended UGC Sponsored National Conference on Emerging Trends in Electronics and Computer Engineering organised by GNDU Regional Campus, Gurdaspur, Feb 10-11, 2017.

LAWS

7. Pawan Kumar, Attended National Conference on Emerging Trends in Electronics and Computer Engineering Organized by Department of Electronics and Computer Science at Guru Nanak Dev University, Regional Campus, Gurdaspur, Dated: 10, 11 Feb, 2017

8. Pawan Kumar, Attended National Conference on Agrarian Crisis in Punjab Organized by G.N.D.U College Patti (Taran Taran) and Presented paper on "Agrarian Crisis in Punjab: A need for urgent preventive measure" on 7,8 Mar 2017.

PAPERS PRESENTED IN INTERNATIONAL CONFERENCES

ELECTRONICS & COMMUNICATION ENGINEERING

1. Kaur, Agamjot, and Sheetal, Anu, Optimization techniques to achieve EDFA gain flattening with FBG results presented in the International Conference on Advancements in Engineering and Technology (ICAET-2017) organised by Bhai Gurdas Insitute of Engineering, Sangrur, Punjab, March 24-25, 2017.

2. Kaur, Anureet, and Sheetal, Anu, Review on denoising of ECG signal by proposed method and detection of QRS complex by MaMeMi filter presented in the International Conference on Advancements in Engineering and Technology (ICAET-2017) organised by Bhai Gurdas Institute of Engineering, Sangrur, Punjab, March 24-25, 2017.

3. Sheetal, Anu, and Kaur, Maninder Comparison of SISO, SIMO and STBC using BPSK presented in the International Conference on Advancements in Engineering and Technology (ICAET-2017) organised by Bhai Gurdas Institute of Engineering, Sangrur, Punjab, March 24-25, 2017.

4. Kaur, Navjit, and Singh, Satbir A review on the MAC dynamic bandwidth allocation for OFDMA-PON presented in the International Conference on Advancements in Engineering and Technology (ICAET-2017) organised by Bhai Gurdas Institute of Engineering, Sangrur, Punjab, March 24-25, 2017.

5. Kaur, Gurleen, and Singh, Satbir Optimization of coherent optical OFDM transmitter using DP-IQ modulator- A Review presented in the International Conference on Advancements in Engineering and Technology (ICAET-2017) organised by Bhai Gurdas Institute of Engineering, Sangrur, Punjab, March 24-25, 2017.

6. Goraya, N. and Singh, Satbir Synthesis, Characterization and Optoelectronic Studies of an Organic Ligand decorated CuO Nanoparticles for Nano Photonic Applications presented in International Conference on Complex Photonics organized by Tata Institute of Fundamental Research (T.I.F.R), Mumbai, January 22-24th, 2017.

7. Pallavi and Sheetal, Anu A Review on WDM and TDM-PON using Different Coding Schemes for Extended Reach presented in International Conference on Recent Development in Engineering Science, Humanities and Management organised by NITTTR, Chandigarh on 26th March, 2017.

8. Uma and Sheetal, Anu A Review on Cost Effective and Comparison of DSP Schemes with Green TDM-PON for Next Generation Optical Access Networks presented in International Conference on Recent Development in Engineering Science, Humanities and Management organised by NITTTR, Chandigarh on 26th March, 2017.

PAPERS PRESENTED IN NATIONAL CONFERENCES

ELECTRONICS & COMMUNICATION ENGINEERING

1. Pathania, Sonika, and Singh, Satbir Review of light harvesting improvement of organic solar cells with self enhanced active layers presented in UGC Sponsored National Conference on Emerging Trends in Electronics and Computer Engineering organised by GNDU Regional Campus, Gurdaspur, Feb 10-11, 2017.

LAWS

2. Pawan Kumar, paper entitle: Measures Combating Cyber Crime in India: An Analysis in National Conference on Emerging Trends in Electronics and Computer Engineering Organized by Department of Electronics and Computer Science at Guru Nanak Dev University, Regional Campus, Gurdaspur, Dated: Feb, 2017.

3. Pawan Kumar, paper entitle: Agrarian Crisis in Punjab: A need for urgent preventive measure in National Conference on Agrarian Crisis in Punjab Organized by G.N.D.U College Patti (Taran Taran) on 7,8 March 2017.

4. Parminder Kaur, paper entitle: Cyber Crime in Social Networking websites: Emerging Challenges in National National Conference on Emerging Trends in Electronics and Computer Engineering Organized by Department of Electronics and Computer Science at Guru Nanak Dev University, Regional Campus, Gurdaspur, Dated: Feb, 2017

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

ELECTRONICS & COMMUNICATION ENGINEERING

1. Satbir Singh attended AICTE Recognized Short Term Course on Cyber Crime and Forensic Tools, NITTTR, Chandigarh (MHRD, Govt. of India), August 21st-25th, 2017.

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

COMPUTER SCIENCE AND ENGINEERING

1. Sandeep Kumar Sood, Chaired session "Password in Security in National Conference in Advances in Computer Sciences, GNA University, Phagwara, 2017

2. Sandeep Kaur, Lecture delivered on the topic," Career counseling " at PT.Mohan Lal SD college, Gurdaspur, on 18th Feb ,2017

3. Sandeep Kaur, Lecture on "Career counseling" at Govt. College Gurdaspur on 21st April, 2017

ELECTRONICS & COMMUNICATION ENGINEERING

4. Anu Sheetal delivered lecture titled 'High Data Rate Passive Optical Networks' in UGC sponsored National Conference on "Emerging Trends in Electronics And Computer Engineering (ECTEC-2017) at GNDU, Regional Campus, Gurdaspur on 10th February, 2017.

5. Anu Sheetal delivered lecture titled 'Role of Media in Empowerment of Women' in International Women Conference on Contemporary Issues in Modern Era at Shanti Devi Mahila College, Dinanagar on 27th March,2017.

6. Anu Sheetal delivered lecture titled 'Role of Internet of Things in Smart Cities' in PTU Sponsored National Workshop on Role of Wireless Communication in Smart Cities at Global Institue of Management and Emerging Technologies on 22nd August, 2017.

7. Anu Sheetal delivered lecture titled 'Effective Implementation of Sexual Harassment of Women at Workplace Act-2013' organized by Punjab water supply and sanitation Department on 29th September, 2017.

8. Satbir Singh delivered lecture titled 'Solar Energy Applications', BMK Sr. Sec. School, Khanpur (Mukerian), 3rd May, 2017.

9. Shahsi B. Rana delivered lecture titled 'Nanotechnology- Technology of Future' at UGC sponsored National Conference on Emerging trends in Electronics & Computer Engg. (ETECE-2017) GNDU, Regional Campus, Gurdaspur (Punjab), 11th February, 2017.

LAWS

10. Parminder Kaur, delivered Lecture titled "Effective Implementation of the Sexual Harassment of Women at Workplace Act, 2013 at Workshop of Awareness Programme for the staff of Punjab Water Supply and Sanitation Department, Gurdaspur, 29 September 2017.

11. Amandeep Kaur, delivered Lecture titled "Role of Judiciary in the Prevention of Sexual Harassment of working women" at Workshop of Awareness Programme for the staff of Punjab Water Supply and Sanitation Department, Gurdaspur, 29 September 2017.

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

ELECTRONICS & COMMUNICATION ENGINEERING

1. Department of Electronics and Computer Engineering organized a two days UGC sponsored National Conference on Emerging Trends in Electronics & Computer Engineering (ETECE-2017) from 10th -11th February, 2017