

GURU NANAK DEV UNIVERSITY REGIONAL CAMPUS, SATHIALA

INTRODUCTION

CIVIL ENGINEERING

The Department of Civil Engineering is excellently suited to meet the ever changing requirements of engineers with courses that combine the study of management, business skills and computers with engineering. It is the branch with lot of diversity right from structural to transportation engineering, environmental to hydrology to hydraulics engineering, geology to geo-technology to earthquake engineering. The Department ensures not only that the courses are updated, but also that they reflect the current needs of commerce, industry and the society as a whole. The faculty of the department continues to strive loftier by exploring new frontiers of knowledge, imparting the latest technical knowledge to the students.

COMPUTER SCIENCE & ENGINEERING

The Department of Computer Science & Engineering established in the year 2011. Department imparts education in fields of working of computer systems, how they are assembled, designed, programmed, programming techniques, database management systems, microprocessor, operating system and other application softwares.

ELECTRONICS & COMMUNICATION

The Department was established in July, 2011 with 120 seats in under graduate course (B.Tech.). The department imparts quality education, training & field studies with emphasis on design aspects of electronics systems. Laboratories are equipped with the most advanced equipments.

MECHANICAL ENGINEERING

The Department of Mechanical Engineering has been started in July, 2014 for a 4-year full time undergraduate course B.Tech. Mechanical Engineering with an annual intake of 60. The aim of the department is to impart excellent subject knowledge and technical expertise (citing various case studies, technical trainings and industrial visits) to the students belonging to the rural area. The Department recognizes that students have a wide variety of career objectives. Some students may intend to enter industry directly as trainee engineers, or some of them continue studies towards Master's and PhD programs. The programme has been specially tailored to meet the growing global requirements and focuses on upcoming manufacturing systems with a rigorous emphasis on automation and quality control.

UNIVERSITY BUSINESS SCHOOL

The University Business School was established in year 2011. The main objective of the MBA program is to equip the students with requisite knowledge and skills to meet the challenges of new order. The emphasis is to develop professional managers for corporate sector, who will fasten the nation towards a more prosperous, just and humane society. The program is backed by very good faculty and highly academic infrastructure. The learning environment and extracurricular activities foster the development of holistic personality. Students are motivated to participate in various activities like mock test, group discussions, seminars and workshops to improve soft skills and enrich their personalities.

FACULTY

CIVIL ENGINEERING

Incharge : M.P. Singh, Ph.D. (Assistant Professor)

COMPUTER SCIENCE & ENGINEERING

Incharge: Sandeep Kaur, M.Tech. (Assistant Professor)

Assistant Professors : Hardeep Singh, M.Tech.; Satveer Kaur, M.Tech.

ELECTRONICS & COMMUNICATION ENGINEERING

Incharge : Jaipreet Kaur, M.Tech. (Assistant Professor)

Assistant Professors : SukhdeepKaur, M.Tech.; Manjit Sandhu, M.Tech.

MECHANICAL ENGINEERING

Incharge : Sukhjeet Singh, Ph.D. (Assistant Professor)

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

ELECTRONICS & COMMUNICATION ENGINEERING

1. Two students cleared GATE 2015.
2. Three projects selected in Texas Instruments Innovation challenge India design contest.

PAPERS PUBLISHED IN PEER REVIEWED JOURNALS

COMPUTER SCIENCE & ENGINEERING

1. Kaur, S. (2015). Performance Measuring & Monitoring web 2.0 applications: A review techno Sciences: A peer reviewed National Journal of Computer Science & Information Technology Vol. 1, No. 1, ISSN No.: 2394-7942.
2. Kour, S., and Ubhi, J.S., (2015) A study of MANET Mobility Models, IJETR, Vol.3, No. 12: 28-33, ISSN No: 2321-0869.
3. Kour, S., and Ubhi, J.S., (2015) A simplified approach to analyze routing protocols in dynamic MANET environment, IJSCE, Vol. 5, No. 1:19-23 ISSN No.2231-2307.
4. Kour, S., and Ubhi, J.S., (2015) Comparison of Reactive Routing Protocols in MANETS, JACN, Vol. 3, No. 3: 225-229, ISSN No. 1793-8244.

ELECTRONICS & COMMUNICATION ENGINEERING

5. Kaur Navdeep, (2015) SNR and BER performance Analysis of an MRC and EGC receiver over Raleigh Fading channel, International Journal of Computer Applications IJCA, Vol. 132, No. 9, 12-17 Dec, 2015, ISBN-973-93-80890-54.

MECHANICAL ENGINEERING

6. Singh, S., Kumar, N. (2015). Rotor Faults Diagnosis Using Artificial Neural Networks and Support Vector Machines, International Journal of Acoustics and Vibration, Vol. 20, No. 3, pp 153-159, ISSN No: 1027-5851.

PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS

ELECTRONICS & COMMUNICATION ENGINEERING

1. Kaur, J., Singh, M.L., and Sohal, R.S., (2015) Performance of Alamouti Scheme with Convolution for MIMO System, International Conference on Recent Advances in Engineering and Computational Sciences (RAECS-2015) at University Institute of Engineering and Technology, Panjab University, Chandigarh, 21-22 Dec, 2015.
2. Singh, G., Singh, J., Kaur, S., Sohi, B.S., (2015) Performance Analysis of Different Neural Network Models for Parameter Estimation of Coaxial feed 2.4 GHz E-Shaped Microstrip Patch Antenna, International Conference on Recent Advances in Engineering and Computational Sciences (RAECS-2015) at University Institute of Engineering and Technology, Panjab University, Chandigarh, 21-22 Dec, 2015.

INTERNATIONAL CONFERENCE ATTENDED

ELECTRONICS & COMMUNICATION ENGINEERING

1. International Conference on Recent Advances in Engineering and Computational Sciences (RAECS-2015) at University Institute of Engineering and Technology, Panjab University, Chandigarh, 21-22 Dec, 2015.

NATIONAL CONFERENCE ATTENDED

UNIVERSITY BUSINESS SCHOOL

1. Gunjeet Kaur attended National Conference on Contemporary Issues in Business Finance, Human Relations and Technology organised by Khalsa College for Women sponsored by University Grants Commission, New Delhi, March 6-7, 2015.

PAPERS PRESENTED IN CONFERENCES

ELECTRONICS & COMMUNICATION ENGINEERING

1. Paper entitled 'Performance Analysis of Different Neural Network Models for Parameter Estimation of Coaxial feed 2.4 GHz E-Shaped Microstrip Patch Antenna', Presented in International Conference on Recent Advances in Engineering and Computational Sciences (RAECS-2015) organised by University Institute of Engineering and Technology, Panjab University, Chandigarh, 21-22 Dec., 2015.

UNIVERSITY BUSINESS SCHOOL

2. Gunjeet Kaur presented 'Dual Career Couples-specific Challenges for Work Life Balance in National Seminar on Contemporary Issues in Business Finance, Human Relations and Technology organised by Khalsa College for Women sponsored by University Grants Commission, New Delhi, 6-7 March, 2015.

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

COMPUTER SCIENCE & ENGINEERING

1. GOC-97 attended by Satveer Kaur.
2. GOC-98 attended by Hardeep Singh.

ELECTRONICS & COMMUNICATION ENGINEERING

3. One Short term course entitled 'Hands on MATLAB' attended by Jaipreet Kaur at NITTTR Chandigarh.
4. One Short term course entitled 'E-Commerce' attended by Manjit Sandhu at Guru Nanak Dev University Regional Campus, Jalandhar sponsored by NITTTR Chandigarh.
5. Orientation Course entitled 'GOC-119' attended by Jaipreet Kaur at HRDC Himachal Pradesh University, Shimla sponsored by UGC.

UNIVERSITY BUSINESS SCHOOL

6. Gunjeet Kaur attended workshop on Case Study Pedagogy in Management organized by University Business School, Amritsar at Guru Nanak Dev University Amritsar, 1-2 May, 2015.
7. Manveen Kaur attended workshop on Case Study Pedagogy in Management organized by University Business School, Amritsar at Guru Nanak Dev University Amritsar, 1-2 May, 2015.

8. Navneet Kaur: Attended workshop on Case Study Pedagogy in Management organized by University Business School, Amritsar at Guru Nanak Dev University Amritsar, 1-2 May, 2015.

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

CIVIL ENGINEERING

1. Delivered lecture as a resource person for a Refresher course in Disaster Management (ID) held by the UGC-HRD centre of Guru Nanak Dev University, Amritsar for university and college teachers from November 26th to 16th December, 2015.

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

ELECTRONICS & COMMUNICATION ENGINEERING

1. Seminar on Lung Cancer by Archana Dutta from PIMS, Jalandhar on 15 April, 2015.
2. Lecture on Art of Teaching and Learning by Dr. Simran Kaur, Associate Professor, Queens borough community College, New York on 23-09-2015.
3. Workshop on introduction to LAB View, Biomedical and sound vibration tool kit by Ajit Chaudhary, Junior Engineer on 12-10-2015.
4. Seminar on Civil Services by IBT, Amritsar on 04-11-2015.