

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

Department of Computer Science & Engineering established in 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 software's.

ELECTRONICS & COMMUNICATION ENGINEERING

The department was established in July, 2011 with 60 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 Ph.D. 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 : Maninder Pal Singh, Ph.D. (Assistant Professor)

Assistant Professors(Part time): Sukhwinder Pal Singh, M.Tech., Sahil Sharma, M.Tech.,

Harmanpreet Kaur, M.Tech., Ritu, M.Tech.,

COMPUTER SCIENCE & ENGINEERING

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

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

Assistant Professors(Part time): Randeep Kaur, MCA, Gurpreet Singh, M.Tech., Manpreet Kaur, MCA,
Raja Vikramdeep Singh, M.Tech., Navdeep Kaur, M.Tech.,
Gurjeet Singh, M.Tech., Rupinder Kaur, MCA,

ELECTRONICS & COMMUNICATION ENGINEERING

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

Assistant Professors: Sukhdeep Kaur, M.Tech.; Manjit Sandhu, M.Tech.

Assistant Professors (Part time): Prabhdip Kaur, M.Tech., Daleep Singh Sekhon, M.Tech.,
Varinder Pal Singh, M.Tech.

MECHANICAL ENGINEERING

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

Assistant Professors (Part time): Karamvir Singh Sodha, M.Tech., Gurvishal Singh, M.Tech.,
Amrinder Singh, M.Tech., Jobanjit Singh, M.Tech., Gurbir Singh Sandhu, M.Tech.,

UNIVERSITY BUSINESS SCHOOL

Assistant Professors (Part time): Gunjeet Kaur, MBA; Navneet Kaur, MBA; Pawanpreet Kaur, MBA;
Harmanpreet Kaur, MBA; Harpreet Kaur, MBA.

DEPARTMENT OF PHYSICS

Assistant Professors (Part time): Gurpreet Singh, M.Sc. (Physics),

DEPARTMENT OF CHEMISTRY

Assistant Professors (Part time): Harpuneet Kaur, M.Sc. (Chemistry),

DEPARTMENT OF MATHEMATICS

Assistant Professors (Part time): Birender Singh, M.Phil., Arundeeep Kaur, M.Sc.

RESEARCH PROJECTS ONGOING/GRANTS

DEPARTMENT OF MECHANICAL ENGINEERING

1. An Early Career Research was awarded to Dr. Sukhjeet Singh, A.P., Mech. Engg. with a funding of Rs. 26,833,70 lacs for a research project entitled, "Fault Diagnosis of Electro-Mechanical Machines using Stator Current Monitoring Technique".

PAPERS PUBLISHED IN 'PEER-REVIEWED' JOURNALS

Department of Electronics & Communication Engineering

1. Sohal, R.S. and Kaur, J. (2017) Distance Based Node Localization and Tracking of "Off Road Vehicle Racing" With Gauss-Newton Algorithm, I-Manager's Journal on Communication Engineering and Systems, Vol. 6, No. 1: 14-21, ISSN No: 2277-5102**UGC-indexing**.
2. Sandhu, M., Kaur, S. and Kaur, J. (2017) An Application of Image Processing- Licence Plate Recognition, International Journal of Advanced Research in Computer Science, Vol. 8, Issue 5: 1549-1553, ISSN No: 0976-5697**UGC-indexing**.

PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

1. Kaur, J. and Singh, M.L. (2017) Performance analysis of adaptive receive diversity technique, 8th International Conference on Computing, Communication and Networking Technologies (ICCCNT), organized by Indian Institute of Technology, Delhi: 1-6.

DEPARTMENT OF MECHANICAL ENGINEERING

2. Samyal, R., Singh, S., and Bagha, A.K., “Modal Analysis of Composite Panel at different Fiber Orientations”, International Conference on Advances in Materials, Manufacturing and Applied Sciences (ICAMMAS’17), Chennai, India 30-31 March, 2017

ATTENDED CONFERENCE/SEMINAR/SYMPOSIA

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

1. Attended National seminar on Role of academic fraternity towards clean and green India at GNDU Regional Campus, Sathiala, 03rd March, 2017.

DEPARTMENT OF MECHANICAL ENGINEERING

2. Attended International Conference on Mechanical Engineering and Automation Science (ICMEAS 2017), University of Birmingham, UK, 13-15 October, 2017.

PAPER PRESENTED IN CONFERENCE/SEMINAR/SYMPOSIA

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

1. Paper ‘Performance analysis of adaptive receive diversity technique’ presented in 8th International Conference on Computing, Communication and Networking Technologies (ICCCNT) organized by Indian Institute of Technology, Delhi, 3-5th July, 2017.
2. Paper ‘Implementation of MIMO and Its Benefits’ presented in International Conference on Advances in Science and Technology organised by Rayat Bahra University, Mohali, 20-21st April, 2017.

DEPARTMENT OF MECHANICAL ENGINEERING

3. Paper titled, “Taper roller Bearing Faults Diagnosis using Artificial Neural Networks and Support Vector Machines”, presented in 3rd International Conference on Mechanical Engineering and Automation Science (ICMEAS 2017), University of Birmingham, UK, 13-15 October, 2017.

WORKSHOPS/ORIENTATION COURSE/REFRESHER COURSE/TRAINING PROGRAMME ATTENDED BY THE FACULTY

DEPARTMENT OF MECHANICAL ENGINEERING

1. One week short term course on “Finite Element Methods and Applications”, conducted by Electronics and ICT Academy at PDPM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur, Madhya Pradesh, India from May 11-16, 2017

SEMINAR/CONFERENCE/WORKSHOPS/INVITED LECTURES/COURSES/ SYMPOSIA ORGANISED BY THE DEPARTMENT

DEPARTMENT OF CIVIL ENGINEERING

1. National Seminar on Role of Academic Fraternity Towards Clean and Green India, March 03, 2017 at Auditorium, Regional Campus Sathiala Organised by Guru Nanak Dev University Regional Campus, Sathiala.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

2. National Seminar on Role of Academic Fraternity Towards Clean and Green India, March 03, 2017 at Auditorium, Regional Campus Sathiala Organised by Guru Nanak Dev University Regional Campus, Sathiala.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

3. National seminar on Role of academic fraternity towards clean and green India on 03/03/2017.
4. Invited lecture on Recent advancement on Fibre Optics by Dr. M.L. Singh, Professor, Department of Electronics Technology, Guru Nanak Dev University, Amritsar on 17/04/2017.
5. Invited lecture on Women empowerment by Dr. Renu Bhardwaj, Professor, Department of Botanical and Environmental Sciences, Guru Nanak Dev University, Amritsar on 21/08/2017.
6. National Seminar on Role of Academic Fraternity Towards Clean and Green India, March 03, 2017 at Auditorium, Regional Campus Sathiala Organised by Guru Nanak Dev University Regional Campus, Sathiala.

DEPARTMENT OF MECHANICAL ENGINEERING

7. National Seminar on Role of Academic Fraternity Towards Clean and Green India, March 03, 2017 at Auditorium, Regional Campus Sathiala Organised by Guru Nanak Dev University Regional Campus, Sathiala.

DEPARTMENT OF UNIVERSITY BUSINESS SCHOOL

8. National Seminar on Role of Academic Fraternity Towards Clean and Green India, March 03, 2017 at Auditorium, Regional Campus Sathiala Organised by Guru Nanak Dev University Regional Campus, Sathiala.