

Dr. H.S.Rai  
 Professor and Head  
 Civil Engineering Department  
 Guru Nanak Dev Engg. College - Ludhiana

Educational Qualifications:

| Sr. No. | Course | Year of Passing / University |
|---------|--------|------------------------------|
| 1.      | Ph.D.  | 2003 IIT Roorkee             |
| 2.      | M.E.   | 1989 TIET Patiala            |
| 3.      | B.E.   | 1987 TIET Patiala            |

Work Experience : 19 years

|          | Employer         | From     | To         | Capacity  |
|----------|------------------|----------|------------|-----------|
| Teaching | GNDEC - Ludhiana | Aug 2004 | continuing | Professor |
| Teaching | GNDEC - Ludhiana | Jan 1996 | Aug 2004   | Ass.Prof. |
| Teaching | GZSCET Bathinda  | Oct 1989 | Jan 1996   | Lecturer  |
| Teaching | TIET Patiala     | Jan1989  | Oct 1989   | Lecturer  |

Area of Specialisation:

Structural Engg., Computer aided design

Programming languages worked with:

Java, PHP, C++, C, Prolog, Fortran, Basic

Subjects Teaching at

|                      |   |
|----------------------|---|
| Under-Graduate level | Design of Concrete Structures , Structural Analysis, Design of Steel Structures |
| Post-Graduate level  | Computer aided Design, Bridge Engineering, Dynamics of Structure                |

Technical Papers published / presented: 8

Short Term Courses/ School Attended 10

Seminars / Workshops / Conferences attended 5

### Seminars/ Conferences/ Courses Organised

1. Worked as Chairman for the two day National Conference & Exhibition on Civil Engineering: Meeting the Challenges of Tomorrow (CEMCT-2006), held at Guru Nanak Dev Engg. College, Ludhiana, on Nov. 24<sup>th</sup>-25<sup>th</sup>, 2006.
2. Worked as Patron for the one day Workshop/Training Programme on Intellectual Property Right and Patenting, held at Guru Nanak Dev Engg. College, Ludhiana, on March 3, 2006.
3. Worked as Joint Organising Secretary for the National Seminar on Safe Environment for 21st Century, held at College of Engg. & Tech., Bathinda, on April 12, 1995.
4. Worked as Co-ordinator for National Seminar on Infra-structure Development: Role of Construction Industry held at GND Engg. College, Ludhiana, on June 03, 1996.
5. Worked as Co-ordinator for Two Week Short Term Course on “Low Cost Housing” held at GND Engg. College, Ludhiana, from 03.07.2000 to 14.07.2000.
6. Co-ordinator for Two Week Short Term Course on “Structural and Geo-technical Aspects of Earthquake Resistance Design” to be held at GND Engg. College, Ludhiana, from 20.12.2004 to 31.12.2004.

### Administrative Responsibilities

1. Working as Head of the Deptt since May, 2005
2. Member, Education and Training Committee, India Chapter of OSGeo <http://wiki.osgeo.org/wiki/India>
3. Worked as Dean Hostels from Dec, 2004-Nov, 2006
4. Worked as Dean (Administration) from 28.08.2003 June 2005
5. Worked as O/Ic Library from August 2003.to June 2005
6. Worked as O/Ic Department of Computer Science and Computer Centre from February 1999 to July 2000.
7. Remained member Board of Studies in Civil Engineering of Punjabi University, Patiala.
8. Remained member Board of Studies in Civil Engineering of Punjab Technical University, Jalandhar.

### Development Work

1. Developed Computer Centre at College of Engg. & Tech. Bathinda.
2. Developed Computer Centre at Guru Nanak Dev Engg. College, Ludhiana.
3. Implemented Campus-wide Computer Networking at Guru Nanak Dev Engg. College, Ludhiana, under AICTE-MODROB scheme entitled “LAN – Scheme for the Institute”.
4. Got grant of Rs. 15 Lacs for Upgradation of Computer Centre for Guru Nanak Dev Engg. College, Ludhiana.
5. Involved in Consultancy work as Structural Designer.