

MR. NIRMAL KUMAR DHIR
Superintending Engineer (Retd.)
Head, Civil Engineering Deptt.



1. NAME : Nirmal Kumar Dhir
2. DATE OF BIRTH : 28th December 1956
3. NATIONALITY : Indian

EDUCATION

- **Masters in Civil Engineering (Soil Mechanics and Foundation Engineering)** from GNEC, Ludhiana, Punjab University, Chandigarh, 1999
- **B. Sc. Engg (Civil) Hons.** from GNEC, Ludhiana, Punjab University, Chandigarh, 1978

PROFILE

Having a **Master's Degree in Civil Engineering** with more than **37 years of experience** in the field of Water Supply, Sanitation and Environmental Engineering with analytic & academic bent of mind he recently retired as Superintending Engineer from Govt. Deptt. He is a successful Civil Engineer professional with proven, consistent track record of more than three decades of Serving in Water Supply & Sanitation Deptt. A finely honed strategic & analytic sense makes him a value-added and innovative solution-provider, combined with the proven ability to strategize to successful in time completion of targeted projects. His experience is extensive & diverse: conceiving, planning, designing & execution of Multifaceted Engineering Projects which include water supply & sewerage schemes of cities, towns & villages which includes hydraulic & structural design of various components of water supply and sewerage schemes with expertise in designing of water treatment plants & sewage treatment plants as well as over head service reservoirs. Structural design & execution of multistory buildings, Industrial Focal Points, 150 Bedded ESI Hospital, Stadia (both indoor & outdoor), Bus Stands & multistory Housing Complex. His academic Interests made him to write & present Technical Papers in various National & International Seminars getting acclaim for his technical Presentations both at state level as well as at national level. He Joined WCTM as PROFESSOR & Head Civil Engineering Deptt.in Feb., 2016 . Apart from performing routine duties of Head of Deptt., he is teaching B.Tech & M.tech students & has so far guided 12 students in their M.Tech.Thesis in the last one year

MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS:

- Fellow Indian Water Works Association
- Member American Concrete Institute Indian Chapter
- Member Indian Association of Soil & Water Conservation
- Member of Indian Society of Technical Education

OTHER TRAININGS

- Oct. 15- Nov 30,1984 (45 days) Short term course of designing & execution of Waste Water Treatment Plants of Cities & Towns at IIT Mumbai funded by Govt. of India.
- January 7-13, 1997 (7 days) Annual Convention of Indian Water Works Association at Calcutta funded by State Government.
- April 7-13, 1998 (7 days) Annual Convention of Indian Water Works Association at Chandigarh funded by State Government.
- January 4 -11, 2005 (7days) Annual Convention of Indian Water Works Association at Hyderabad. Indian Water Works Association funded by State Government.
- August 8, 2008 (1 day) Interactive Workshop on Procurement Procedures Sh. Shivendra Kumar, Consultant Proc., World Bank, New Delhi funded by World Bank Aided PRWSS Project.
- **Member Indian Delegation-Represented India at SACOSAN-3 at New Delhi from 16-21 Nov.2008.**
- January 20-24, 2009 (5 days) Training on World Bank Procurement Procedures SPMC through M/s Crown Agents (India) Pvt. Ltd., New Delhi, Consultants World Bank Aided PRWSS Project.
- July 13-17, 2009 (5 days) training on **Monitoring and Evaluation for Results at Washington DC. USA, Funded by World Bank Aided PRWSS Project**
- **Member Indian Delegation- Represented India at SACOSAN-4 AT COLOMBO, SRI LANKA FROM 4-7 APRIL.2011**
- **Member Indian Delegation – to study Water Supply and Sanitation Practices in BRAZIL IN NOVEMBER 2010 (20 days).**

TECHNICAL PAPERS AND AWARDS:

- Written and presented Six technical papers in various conferences
- One of my paper, Titled 'Performance Evaluations of Common Effluent Treatment Plant' was awarded the Hindustan Dorr Oliver prize by Indian Water Works Associations in the year 1998.
- My presentation on Results Frame Work documents was adjudged First in the State level conference held on 23 & 24 May 2010 in MGSIPA, Chandigarh by Cabinet Secretariat Government of India.
- Presented paper on
Evaluation of 24x7 Water Supply of multi- village Water Supply Schemes (CASE STUDY) in National Workshop on "SUSTAINABLE WATER SUPPLY & SANITATION SERVICES organised by World Bank from 15th to 17th December, 2011 at Chandigarh.
- **PRESENTED TWO PAPERS IN SOUTH ASIA REGIONAL CONFERENCE ON RURAL WATER SUPPLY AND SANITATION TOWARDS LONG TERM SUSTAINABILITY AT**

KATHMANDU NEPAL held on 10 to 12 OCTOBER 2012.

Presented paper on Evaluation of Running & Maintenance of Water Supply Schemes of A GROUP OF 21 Villages of Morinda Block on PP mode (CASE STUDY) in National Workshop on " Public Private Partnership in Rural Water Supply & Sanitation Sector" organised by World Bank on 24th May,2013 at Chandigarh.

MR. ANKIT SETHI
ASSISTANT PROFESSOR
DEPARTMENT OF CIVIL ENGINEERING



QUALIFICATION

- ◆ B.Tech (Civil Engineering) Government Engg. College Jhalawar, Rajasthan Rajasthan technical University (R.T.U. Kota)
- ◆ M.Tech in structural Engg. (R.T.U,Kota),University Topper with Honours.

PROFESSIONAL EXPERIENCE

- ◆ Worked as a lecturer in Govt. Engg. College Jhalawar from july 2011 to march 2012
- ◆ Presently working as a Assistant Professor at WCTM

RESPONSIBILITIES AT WCTM

- ◆ Teaching undergraduate courses like design steel structure, Irrigation Engg., Geotechnology, Construction and Concrete Technology etc.
- ◆ Incharge of the site visit and survey camp

BIOGRAPHY

Mr. Ankit Sethi is B.Tech Civil Engineering from Government Engg. College Jhalawar, Rajasthan. He is has been selected to pursue M.Tech (Structural Engineering) at Kautaliya Institute of Technology And Engineering, Jaipur. He is co investigator of Research Proposal entitled Design and development of solar thermal pasteurization Unit for disinfection of rain water. He has attended one National conference & one workshop. He has two years of teaching experience. He teaches Design of steel structures, Irrigation Engineering, Geotechnology etc. He has guided three B.tech projects in the area of Geotechnology. He was incharge of Survey camp 2012 held at Manesar. He is member of college Magazine Committee.

- MS Excel

RESEARCH TOPIC

- **Study of Carbonation of Concrete incorporating Fly ash and GGBS**

Description-

1. Mix design of concrete incorporating processed fly ash.
2. Varied percentage of fly ash from 0% to 50%
3. Variation of w/c ratio from 0.5 to 0.6
4. Effect on workability and strength of concrete at 28 and 56

Days was studied.

- **Experimental study of workability and compressive strength of concrete using fly ash** Extensive research work was carried out on understanding of workability, strength and And durability of concrete using fly ash as a mineral admixture. Experimental research Work was carried out for the above mentioned purpose.

RESEARCH SUMMARY

- Project (June 2012 to May 2013), developed a Decision Support System tool for the selection of formwork in building construction using fuzzy logic. **Fuzzy logic** was used to mimic the human brain and function as a decision support system tool for the selection of formwork on the basis of input (requirements) given by the user.
- Project (Jan 2011 to May 2011), Worked on design and analysis of 40 storeys tall building, (Steel Design & Concrete Design Both) using **ETABS**. The analysis was carried for different storey height and comparison was made for lateral load resisting system between the Steel structure and the corresponding RCC structure. Design spreadsheet were also prepared using **Microsoft excel** for the design of the steel elements in accordance with IS 800-2007.
- 3 Storey Hostel Building design Project, March 2010. Design and analysis of beams, slabs & columns in STAAD PRO and Microsoft Excel spreadsheets. And reinforcement drawings in Auto Cad. Worked under Dr. Kiran Kamath's guidance.
- Road project, Near Manipal, Jan 2010, Road alignment and computation of earth work required. (Plan, longitudinal section, Cross section's blockleveling).
- Irrigation Project, Jan 2010 – Plan, Longitudinal section, cross section's block leveling at weir and sluice locations, capacity contours. Computation of capacity and earth work required.

ANNEXURE

Membership of Different Technical Societies:

1. Member, Institution of Mechanical Engineers (Membership No. 80242285)
2. member of International Association of Engineers (IAENG), Singapore (121229)
3. Member, The Institution of Engineering and Technology (IET), (Membership No. 1100244925).
4. Member, The Science and Information Organization (SAI).
5. Member, Association of Machines and Mechanisms (AMM)
6. Senior Member, Indian Society of Mechanical Engineers (ISME)

MR. SANJEEVA NARAIN SINGH

ASSISTANT PROFESSOR
DEPARTMENT OF CIVIL ENGINEERING



Career Milestones :

Joined WCTM since August 2015 and Continuing till present :

Currently teaching **Hydropower Engineering , Building Construction Materials and Drawing , Fluid Mechanics and Geotechnical Engineering** to students of 4th Semester and 6th Semester pursuing B.Tech. in Civil Engineering at **World College of Technology and Management , Farookhnagar , Gurgaon, Haryana (India) 2013-2015** as **Local Omani Company Qurrum Projects LLC as Manager-Contracts.**

Job Profile : Getting work in contract. extra claims and bills certified as per contract, resolving disputes/deviations/extra

2006-2013 : M/s Larsen & Toubro Limited, ECC Division, Chennai since 2006 :-

Job Profile : Involved in Project Construction Management as Projects –Construction Manager – Civil on following projects :-Liasoning with Project Mangement Consultant to get my job certified , Managing overall construction of Airport Terminal S alala Building h Ai rpCivil ort Prand oj ect ,SaFinishing lalah (OmWorks. an), MiddleEastGulf Country since 2012-2013

Mumbai International Airport Terminal T2 , Mumbai (India).Jan.2009-2012.

Indira Gandhi International Airport Terminal 3, New Delhi (India).Feb.2007-Jan.2009.

Plant-In-Charge of Ready-Mix-Concrete Plant; Ahmedabad , Gujarat. Joined March 2006.

2004–2006 : Today Hotels (P) Ltd., Statesman House ; New Delhi
Worked on Rs 300 Crore **5- Star Intercontinental Deluxe Hotel ; as Senior Project Engineer** and was responsible for Overall Project Planning including Quality Control , Billing and MIS ;concreting of Civil/Structural works using Ready-Mix-Concrete etc..

2002-2004 : UPPAL`S REAL ESTATE ; New DELHI ; Worked on **Institutional Building Project as Manager. Having Overall responsibility of** Managing civil construction including finishing works .

1996-2002 : Mahindra-GESCO Corporation Ltd.,Mahindra Tower; Mumbai , Worked on **Real Estate 29 storey High Rise Residential Tower** at Mumbai Central **as Assistant Manager-Technical**; and was involved in Planning and Monitoring construction Activities ; Giving Technical Advice;Occasional Billing , Preparing Technical Report on day to day challenges.

1992-1996 : Ashiana Engicons Ltd , Ashiana Tower ; Worked on **Economical Residential Multi-Storey Framed Structure Tower** Building in Real Estate Development **as Project Site-In-Charge** . My responsibility includes executing Construction Activities as per plans , preparation of Daily Work Progress Report , Bar Binding Schedule , Measurement & Billing for Sub Contractors .

Academics

1999-2001 : Post Graduate Diploma in **Advanced Construction Management** from National Institute of Construction Management and Research, Pune (India).

1988-1992: First Class **Bachelor of Technology in Civil Engineering** from Govind Ballabh Pant University of Agriculture and Technology Technology, Pantnagar, Nainital, U.P.

Project Work Dissertation on **“Seismic Resistant Structural Design of RCC framed Nine-Storeyed Residential cum Commercial Complex”**.

Specialization

“International Construction Contracts & Project Marketing” from National Institute of Construction Management & Research, Pune (India) and Management Development Program in **“Risk Analysis and Value Engineering”** from National Institute of Construction Management and Research, Pune (India) while pursuing PG Diploma from NICMAR.

Research Work

Post Graduate Thesis Work on **“Solid Waste Management as a Business – A Techno-Economic feasibility Study”** under guidance of Director of National Productivity Council, Lodhi Road, New Delhi, India.

Windows Base : MS Word; MS Excel; MS PowerPoint

Computer Proficiency

Application Software: MS Project ; Prima Vera ; AutoCad – 2000 ; 3D-StudioMax ; STAAD-PRO; ACONEX and CEMA for Construction Projects.

Special Skills

1. **Pre-Qualification of Vendors & Technical Bid Evaluation for Procurement.**
2. **ISO Quality Audit of Construction Sites. Was Quality week debate champion 2009&2010**

Honours and Awards:

Won a **National Prize Honour** for my **Technical Paper** titled **“Science and Technology of Mud --- It’s revival as a Construction Material”**, at **All India Technical Paper writing and Seminar Presentation Contest** organized by **“Institution of Engineer’s (India)”** at Karnataka Regional Engineering College located at Surathkal ; Mangalore in Karnataka (India). Also won Quality Trophy for best Construction Project at Mumbai Airport Project.

Professional Membership:

Member Institution of Engineer’s (India),
Member Institution of Civil Engineer’s – UK

MR. ROHIT KUMAR

ASSISTANT PROFESSOR
DEPARTMENT OF CIVIL ENGINEERING



EDUCATION

- M. Tech in Rock Engineering from Indian Institute of Technology, Delhi (2014)
- B. Tech. in Civil Engineering from B.B.D.N.I.T.M, Lucknow (2011)

PROFESSIONAL EXPERIENCE:-

- Presently Working as an Assistant Professor in World College of Engineering & Technology, Gurgaon

RESPONSIBILITIES AT WCTM

- Co-ordinator of 8th semester in Civil Engineering Department.
- Teaching B.Tech students of civil engineering department

PROFESSIONAL MEMBERSHIP

- Member of CES (Civil Engineering Society, IIT Delhi).

CONFERENCE

- Organized The Indian Geotechnical Conference (IGC2012) on Advances in Geotechnical Engineering held during 13th to 15th December, 2012 at IIT Delhi
- Organized 3rd IGS-FERROCO TERZAGHI ORATION on "Design and Construction of Barrier System to Minimize Environmental Impact Due to MSW Leachate and Gas" held on 5th October 2012 at IIT Delhi.

MR. RUHUL HASSAN

ASSISTANT PROFESSOR
DEPARTMENT OF CIVIL ENGINEERING



EDUCATION:

- M. Tech in Environmental Engineering from PEC University of Technology, Chandigarh (2014 - 2016)
- B. Tech. in Civil Engineering from Jorhat Engineering College, Assam in the year 2013.

PROFESSIONAL EXPERIENCE:-

- Presently working as Assistant Professor in Department of Civil Engineering in World College of Technology & Management , Gurgaon (Haryana)

PROFESSIONAL MEMBERSHIP:-

- Member of American Society of Civil Engineers (ASCE-PEC)

RESPONSIBILITIES AT WCTM:-

- Co-ordinator of 6th semester in Civil Engineering Department.
- Teaching B.Tech students of Civil Engineering Department

CONFERENCES & PUBLICATIONS

- Presented research papers in 4 National Conferences
- Published a research paper in International Journal of Innovative Research in Science, Engineering and Technology, Vol. 5, Issue 7, July 2016 titled ***“A Modelling Approach to Assess the Impact of Black Carbon Deposition on Snow Surface Albedo”***

MR. SHASHI KUMAR
ASSISTANT PROFESSOR
DEPARTMENT OF CIVIL ENGINEERING



EDUCATION :-

- M. Tech in Structural Engineering from KIIT University, Raipur (2014 - 2016)
- B. Tech. in Civil Engineering from Visvesvaraya Technological University, Belgaum Karnataka in the year 2013.

PROFESSIONAL EXPERIENCE :-

- Presently working as Assistant Professor in Department of Civil Engineering in World College of Technology & Management , Gurgaon (Haryana)
- Worked as Assistant Professor in Dronacharya College of Engineering, Gurgaon (Haryana)

RESPONSIBILITIES AT WCTM

- Co-ordinator of 4th semester in Civil Engineering Department.
- Teaching B.tech students of civil engineering department

PROFESSIONAL MEMBERSHIP

- Institution of civil engineers. (ICE)

CONFERENCE

- Attended Conference on INDIA UNDER CONSTRUCTION “SMART SOCIETY” by Ultra-Tech Cement in FICCI Auditorium New Delhi, 28 Nov 2015.
- Attended Conference on “DIGITAL INDIA” Program at Pragti Maidan New delhi, 11 May 2016.

MR. PANKAJ SAINI
LECTURER
DEPARTMENT OF CIVIL ENGINEERING



EDUCATION

- M. Tech. in Structural Engineering from MDU, Rohtak
- B. Tech. in Civil Engineering from MDU, Rohtak

TRAINING EXPERIENCE

- 4 months project on construction of residential building in JJRS Projects.

RESPONSIBILITIES AT WCTM

Teaching undergraduate level courses

COMPUTER SKILLS

- **knowledge of MS office**
- **knowledge of AutoCAD 2D and 3D**

Achievements

- Rank holder in MDU university examination.
- Organizer of IBCC Bridge Championship and various other workshops at college level.

MS. ANJALI SEHRAWAT
LECTURER
DEPARTMENT OF CIVIL ENGINEERING



EDUCATION

- M.Tech. in Structural Engineering, MDU Rohtak
- B.Tech. in Civil Engineering, MDU Rohtak
- Diploma In Architecture Assistantship, BTE

TRAINING EXPERIENCE

- 4 months project on replacement of M.S Dome of Digester in Ixia Infratech.
- 4 weeks project on ATC tower in GMR Company.

RESPONSIBILITIES AT WCTM

Teaching undergraduate level courses

ACHIEVEMENTS

Got rank in MDU Examinations.

COMPUTER SKILLS

- knowledge of MS office
- knowledge of AutoCAD