

Dr. NIRMAL KUMAR

Principal, Bhagalpur College of Engineering.



Present Address:

Principal Quarter
BCE, Bhagalpur
Pin : 813210
Bihar

E-Mail:

nirmalmit@rediffmail.com
nirmalkr1955@yahoo.com

☎:91-9430936564
☎:91-641-2451063

Personal Data:

Date of Birth: 18/12/1955

Sex: Male

Marital Status: Married

Nationality: Indian

Religion: Hinduism

Family Background:

Educational Qualification

DEGREE	DEPARTMENT	NAME OF INSTITUTE	YEAR	DIVISION
Higher Secondary	Science	H.S.HIGH SCHOOL, PATNA	1972	1 st class
B.Sc	Civil Engineering	B.I.T SINDRI, JHARKHAND	1979	1 st class
M.Tech	Structural Engineering	IIT DELHI	1996	1 st class
PhD.	-	IIT DELHI	2008	-

INTERNATIONAL PUBLICATIONS:

1. Sanjay Kumar and **Nirmal Kumar**; Constant temperature Solar Water Heater - An Integrated Approach, Energy Conversion & Management, 38, pp. 61-71 (1997).
2. S. Sinha, Sanjay Kumar and **N. Kumar**; Energy Conservation in High Rise Buildings : Changes in Air-Conditioning Load Induced by Vertical Temperature and Humidity Profile in Delhi, Energy Conversion & Management, 39, pp. 437-440 (1998).
3. S. Sinha, Sanjay Kumar and **Nirmal Kumar**; Experimental Investigation of Solar Chimney Assisted Bioclimatic Architecture, Energy Conversion & Management, 39, pp. 441-444 (1998).
4. S. Sinha, **N.Kumar**, A. Ghosh and Sanjay Kumar; Desert-Inland-Marine Solartopia, Journal of Arid Land Studies, 7S, pp. 81-84 (1998).
5. R. Prasad, Ravi Sankar, KC Iyer and **Nirmal Kumar**: Technology transfer for rural housing: an interpretive structural modeling approach, Journal of advances in Management Research, Vol 6, No2, 2009, © Emerald Group Publishing Limited, 0972-7981, United Kingdom.
6. **Nirmal Kumar**; Technological Solution for Sustainable Rural Housing by 2022, International Journal of Combined Research & Development (IJCRD), eISSN:2321, 225X;pISSN:2321-2241 Volume: 3; Issue: 3; September -2014 (www.ijcrd.com)

Father's Name :

Late. Suresh Kumar Sharma

No of children : Two

7. **Nirmal Kumar**; Construction of Earth Quake Resistance Rural Housing in Bihar: Role of Technical Institutions, SHRINKHALA :VOL-8, II * ISSUE – 1, September 2014, E : ISSN NO.: 2349 – 980X, P: ISSN NO.: 2321- 290X

NATIONAL PUBLICATIONS:

1. Rural Housing: Search for Suitable Strategies; Shelter, Vol.7, and No.3, New Delhi pp.27-35. Oct 2004
2. Rural Housing and Information Technology; Journal of Indian Building Congress, Vol. XI. No. 2, December 2004.
3. Urban- Rural Linkages: Issue of Technology Transfer for Rural Housing; The Indian Journal of Public Administration, Oct-December, 2005.
4. Rural Housing Problems in Bihar, Social Change, Vol. 35 No.4, December 2005. Council for Social Development, New Delhi-110003, India.
5. Institutional Mechanism, Linkages and Technology Transfer for Rural Housing Development., People's Empowerment and Sustainable Rural Development {A technological Approach} , Published in Book by Rawat Publications, 2009,, 4868/24, Ansari Road, Daryaganj, New Delhi-110002, pp: 128-141.

PAPER PRESENTATION IN INTERNATIONAL SEMINAR:

1. Urban- Rural Linkages: Issue of Technology Transfer for Rural Housing; 2nd International BASIN (Building Advisory Service Information Network) conference on 17th -19th March 2004 in India, New Delhi. It is now published in The Indian Journal of Public Administration, Oct-December, 2005.
2. Capacity Building for facing Challenges due to Earthquake Disaster in Bihar State of India: The 6th Conference of the International Society for Integrated Disaster Risk Management (IDRIM -TIFAC 2015) is being held in Delhi during October 28-30, 2015.

PAPER PRESENTATION IN NATIONAL SEMINAR:

1. Institutional Mechanism, Linkages and Technology Transfer for Rural Housing Development. The paper is present in National

- Seminar on “Empowering the Masses through Technology Application and Skill training”: 1-2December 2005 at NITTTR, Chandigarh. It is published in Book by Rawat Publications, 2009.
2. Scenario of Technical Education in Bihar, presented in Global meets on a Resurgent Bihar, 19th, January 2007 at Patna.
 3. Efficiency and Equity in Major Irrigation Projects in Bihar: Search for Suitable Strategies, 38th Annual General Meeting of Institution of Engineers (India) and Seminar on Water Management, November 2007, MIT Muzaffarpur.
 4. Planet Earth: Climate Change and its Consequence, 41st Engineer's Day of Institution of Engineers (India) and Seminar on Planet Earth, September 15, 2008, MIT Muzaffarpur.
 5. Earthquake Risk Reduction for Rural Housing Construction through Technology Transfer, National Seminar on Mitigation and Management of Natural Disaster, December 5th-6th, 2008. Institution of Engineers (India), MIT Muzaffarpur. Published in the proceeding of seminar.
 6. Application of Value Engineering Practices in Rural Road Construction Projects. Paper presented in Indian Road Congress, 14th to 17th November, 2009 at Patna, and it is published in the proceeding.
 7. Utilization of Fly Ash in Construction Activities to Combat Impact of Global Warming, The paper is present in National Seminar on “Climate Change and Sustainable Development- Regional and Grassroots Initiatives”: 04-05 March 2010 at NITTTR, Chandigarh. It is under publication. Abstract is enclosed.
 8. Forest as a Life Line in Bihar, The paper is present in National Seminar on World Environment Day, organized by Institution of Engineers (India) June 5, 2011 , MIT Muzaffarpur.
 9. Strategy for Disaster Preparedness and Mitigation in Bihar, 44th Engineer's Day of Institution of Engineers (India) and Seminar , September 15, 2011, MIT Muzaffarpur.
 10. Industries –Institute Interaction: Technology Transfer for Rural Housing Development in Bihar, The paper is present in National Seminar on “Academic Institute- Industries Interaction On 24th& 25th September, 2011 organized by Institution of Engineers (India) & CIT Ranchi at Ranchi, Jharkhand.
 11. Renewal Energy Development through Bio Mass in Bihar, The paper is present in National Seminar, organized by Institution of Engineers (India) November 2011, 2011, MIT Muzaffarpur.
 12. Green Economy as Development Strategies and Role of Civil

Engineers, The paper is present in Seminar, organized by Institution of Engineers (India) on World Environment Day 2012, June 05, 2012, MIT Muzaffarpur

13. Sustainable – Affordable Housing for Rural Bihar, Paper presented in National Conference On 2nd March 2013 at Birla Institute of Technology, Patna Campus, Patna
14. Technological Solution for Sustainable Rural Housing by 2022, The paper is present in National Seminar on 8th March 2013 at NITTTR, Chandigarh.

BOOK PUBLISHED:

1. *Structural Analysis-I* : Dr Nirmal Kumar & Ranjan Kumar, ISBN :978-93-7473-621-0, by AITBS Publishers India, Delhi,

2. *Rural Housing: Institutional Mechanism for Technology Transfer: A Study of Select Villages of Bihar State in India* (Paperback) by Nirmal Kumar (Author), and Published by –LAP LAMBERT Academic Publishing, Heinrich-Böcking-Str. 6-8, 66121, Saarbrücken, Germany, www.lap-publishing.com.

QIP/ISTE/Short term Course attended:

1. Material Science and Engineering Material, May 20 June 7, 1985, IIT Delhi.
2. Recent Trends in pollution Control: May 19-30, 1986, NSS College of Engineering, Palghat, Kerala.
3. System Approach to waste management: Dec 8-20, 1989, IIT Delhi.
4. *Recycling and Waste Utilization*; Nov, 30 to Dec. 13, 1987, Department of Technology, Annamalai Univ. Tamil Nadu.
5. *Water management*, 01.08.88 -30.9.88, WALMI, Patna.
6. *Advanced Engineering Materials and their Applications*, Dec. 9-20, 1996, IIT Delhi.
7. Reliability based Innovative Product Design, June-1-12, 1998 IIT Delhi.
8. Ground Water Assessment & Modeling – 13 to 17 July 1998, IIT Delhi.
9. Strategic Planning for Institutional Development, Feb. 19-21, 1999- MIT Muzaffarpur.
10. Management of Higher Technical Education, December 20-31,

1999, MIT Muzaffarpur.

11. Health Hazards & Medical Electronics, June 19-30, 2000 MIT, Muzaffarpur.
12. Human Values in Technical Education, July 26-30, 2004, IIT Roorkee.
13. Research Methodology, 6th to 24 Dec. 2004, CSD New Delhi.
14. Emerging needs of Rural Industrialization & the Role of Technical Institutions, June 06 to 11 2005, IIT Delhi.
15. Natural Disaster Management, Dec. 16 to 27, 2005, IIT, Delhi.
16. Modern Concrete Construction Process, 24 to 29 July 2006, IIT Delhi.
17. Spectral Analysis for Seismic Response of Structures, 04-09 December, 2006, IIT Delhi
18. Seismic Risk Management of Structure, Six weeks in 2007, IIT Delhi.
19. Experimental Techniques in Earthquake Engineering, 23 July to 29 July 2007, SERC, Madras, Chennai.
20. Introduction to STAAD, 20th-24th August 2008, NIITR Chandigarh.
21. Scientific Foresight 2007, 22-24 December, 2007 at Patna
22. Strategic Management and Envisioning for Institution Development, 11-15th February 2008, NIITR Chandigarh.
23. Getting AICTE/ NBA Accreditation for Technical Institutions, 12th- 16th, May 2008, NIITR Chandigarh
24. Entrepreneurship, TQM and Business Management Techniques, 22nd- 26thSeptember 2008, NIITR Chandigarh.
25. Mix Design of High Performance Concrete, 22-26 February 2010, NIITR Kolkata.
26. Mapping by Total Station, 08th Nov-12thNovember 2010, NIITR Chandigarh.
27. Participated in the International Conference on “Sustainable And Inclusive Urban Development In India :Learning From International Experiences And Devising Future Strategies”July2015

28. Participated in the international conference on “Inclusive And Sustainable Development In Jharkhand : Opportunities And Challenges” ,July 29-31 ,2016 ,Ranchi.
29. Participated National Seminar on Environmental Issues on EIPCM and delivered talk on “Smart City Concepts & Practices” ,February 26-27,2016, BIT Sindri, Dhanbad.
30. Participated in workshop on “Application Of Scientific & Technical Terminology” by Commission For Scientific And Technical Terminology ,December 3rd -4th, 2016, S.S.V. College ,Kahalgaoon, Bhagalpur
31. Attended National level workshop on Strategic Planning and Implementation,Teqip-III,NPIU,G.O.I,IIM Shillong ,31st October & 1st November 2017.
32. participated in the Professional Development Training under TEQIP –III, December 14th -18th , 2017, IIM Raipur

PRESENT ASSIGNMENT AT BCE BHAGALPUR

- Teaching Mechanics of Solid, Structural Mechanics, Concrete Structure and Pre-stressed Concrete Structure, Structural Analysis subject to undergraduate student of MIT Muzaffarpur.
- Guiding 10 M.Tech Students and 04 PhD students for their research work.
- Guided innumerable numbers of B. Tech Students for their Projects works.

WORK EXPERIENCE

1. Lecturer) (Rs. 8000- 13500) from 10-.10.1984 to 09.10 .1992 at BCE Bhagalpur.
2. Lecturer (Sr. Grade) (Rs. 10000- 15300) from 10.10.92 to 09-10-1997 at BCE Bhagalpur.
3. Assistant Professor/ Selection Grade Lecturer (Rs. 12000-420-18300) from 10.10.97 till 31st December 2005.
4. Associate Professor (Rs. 374000- 67000) + Rs. 9000.00 Grade Pay from 01 January 2006 to 31.12.2008 at BCE Bhagalpur.
5. Professor (Rs. 37400- 67000) + Rs. 10000.00 Grade Pay from 01 January 2009 till date.

LIFE MEMBERSHIP

1. Indian Society of Earthquake Technology, India.
2. Institution of Engineers (India).
3. Indian Building Congress

I hereby declare that the information furnished above is true to the best of my knowledge.

Place: Bhagalpur

Date: 08/05/2018(Dr. NIRMAL KUMAR)