

Faculty Page
(As on July 01, 2011)

Name: **Dr. D.K. Paul, FNAE** Designation: **Professor** Employee code: **100216**
 Department/Centre: Earthquake Engineering Date of Birth **May 28, 1947**
 Date of joining the Institute **May 3, 1972**

Lecturer	Reader/Asstt. Professor	Assoc. Professor	Professor
03-05-1972	28-01-1977	-	22-09-1987

Educational qualifications

Degree	Name of Degree	Subject	Institution	Year
Bachelor	B.Sc.	Science	Lucknow University	1965
Bachelor	B.E.	Civil Engg.	University of Roorkee	1969
Master	M.E.(Hons)	Earthquake Engg.	University of Roorkee	1971
Doctoral	Ph.D.	Civil Engg.	University of Wales, U.K.	1982

Experience

Academic: Postgraduate level teaching since 1972 in Earthquake Engineering, Structural Dynamics and Computational Earthquake Geotechnical Problems (39 yrs); Star performer for last couple of years

Research: Application of Finite Element Method in coupled Field Problems such as Fluid-Structure Interaction and Soil-Pore fluid-Structure Interaction; Nonlinear Structural Dynamics; Earthquake Engineering, Earthquake Disaster Mitigation

Administrative: (i) Deane of Faculty Affairs; (ii) Head, Centre of Excellence in Disaster Mitigation and Management; (iii) Head, Department of Earthquake Engineering (first term from Jan.1998 to Jan.2001, second term from Jan 2005 to Dec 31, 2007); Panel of Head 3 terms (UOR) Deputy Chief Sports Advisor; Chief Sports Advisor

Industrial: Some of the national important projects undertaken – Seismic analysis of major dams like Tehri Rockfill Dam; Seismic Analysis of Narora and Kakrapar Atomic Power Plants; etc.

Research guidance

B.Tech.: -
 Masters: 64
 Doctoral: 22
 07 in progress

Sponsored research and consulting:

Sponsored research: Seismic Base Isolation Techniques for Buildings and Development of Appropriate Seismic base isolation (12.86 lacs); Dynamic Response of Prestressed Concrete Bridges sponsored by CSIR (16.5 lacs), Indo-Norwegian Institutional Project on Earthquake Engg. sponsored by Indo-Norwegian Program of Institutional Cooperation (INPIC, 65 lakh)

Consulting: Executed more than 150 consultancy projects; Currently handling consultancy worth more than a crore.

Continuing education: Conducted several courses on Earthquake Risk Mitigation; Earthquake Resistant Design of Buildings, Bridges, Dams; Capacity building of Engineers through NPEEE, NPCBEERM programs on Earthquake Engineering Education

Publications

Journal: 56
 Conference: 169
 Chapter in books: 05
 Books (authored): -
 Monographs/Guidelines: 2
 Book (edited): 2
 Technical Reports: 85

Honours and Awards:

1. Gold Medal in M.E. (Structural Dynamics) In 1971
2. Academic Commonwealth Scholarship to UK 1978-1982
3. Khosla Research Prize, 1996, 1998
4. Awarded the Visiting INSA Fellowship '97
5. Awarded the Indian Building Congress IBC medal 1998
6. Awarded A.S. Arya – IIT Roorkee Disaster Prevention Award for contribution in the field of Earthquake Engineering and Earthquake Disaster Mitigation in India.
7. President Indian Society of Earthquake Technology
8. **Fellow of the Indian National Academy of Engineering (FNAE)**
9. Awarded the Institution of Engineers (India) Dr. Jai Krishna Prize
10. **Awarded the Construction Industry Development Council CIDC Vishwakarma Award 2011**

Memberships of Societies:

- (a) **Fellow of Indian National Academy of Engineering, FNAE**
- (b) Life Fellow - Institution of Engineers (India) -**FIE**
- (c) Life Fellow - Indian Society of Earthquake Technology -**FISET**
- (d) Life Fellow - Indian Association of Structural Engineers -
- (e) Life Fellow - Indian Institution of Bridge Engineers
- (f) Life member - Indian Geotechnical Society
- (g) Life member - Indian Soc. for Rock Mech. and Tunneling Tech.
- (h) Life member - Indian Society for Wind Engineering -
- (i) Life member - National Group for Computational Methods in Geomechanics
- (j) Life member of Indian Association for Computational Mechanics

- National/ International Collaboration:**
- (i) Coordinator Indo-Norwegian collaboration on Earthquake Engineering;
 - (ii) Postdoctoral collaborative project in Computational Methods in Engineering Applications under the British Govt. as part of its Technical Co-operation Programme, Ministry of State for Foreign and Commonwealth Affairs
 - (iii) Organizing Secretary for Indo-Taiwanese Joint Workshop on Seismic Evaluation & Retrofit of Buildings
 - (iv) Collaboration with CRRI, New Delhi on a project “Dynamic Response of Pre-Stressed Concrete Bridges“ funded by CSIR, New Delhi
 - (v) Visited UK under the Swansea(UK)-UOR-IIT Delhi link programme
 - (vi) Organized courses on “Earthquake Resistant Design of Buildings” at Dehradun and Nainital jointly with ADPC Bangkok
 - (vii) Member of Peer Review Panel on “Retrofitting of Life line Buildings in Delhi” supporter by USAID, USA

Current Research Interest: Earthquake Resistant Design of Structures; Seismic Retrofitting of Existing Buildings; Application of FEM and DEM Methods; Earthquake Disaster Mitigation

Any other attainments:

1. Head, Department of Earthquake Engineering
2. Head, Centre for Disaster Mitigation and Management, IIT Roorkee, Roorkee
3. Dean of Faculty, IIT Roorkee
4. President, Indian Society of Earthquake Technology for the periods April 2007-2009 and April 2009-2011..
5. Chairman of Earthquake Engineering Sectional Committee, CED 39 by Civil Engineering Council, Bureau of Indian Standards, New Delhi.
6. Member of Environment Appraisal Committee, constituted by Ministry of Environment and Forest, Government of India
7. Member of Expert Committee for studying the “Structural Stability of Mullaperiyar Dam considering the seismic effect constituted by Government of KERALA