

Anup Karanth

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Thammasat University, Rangsit Campus,
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Résumé

PROFESSIONAL PROFILE

- Over 5 years of experience in designing and managing risk management projects, capacity building, advocacy work and mainstreaming disaster risk reduction activities.
- Key areas of work include providing technical and managerial support; programme and proposal development; project monitoring, evaluation and management; development of urban vulnerability reduction strategy, emergency response planning, training and capacity building programmes for various stakeholders, techno-legal framework for risk reduction, hazard risk mitigation and preparedness.
- Key activity in the current portfolio involves managing and coordinating hydro-meteorological disaster mitigation programme in five secondary cities in Asia.
- Experience in implementation and coordination of Civil Engineering works – bridges, housing, damage and needs assessment, repair and rehabilitation of structures, construction technology and research.

CORE COMPETENCIES

- Risk Mitigation and Preparedness
- Emergency Response Planning
- Participatory Urban Risk Management
- Multi-hazard Disaster Management Planning
- Hazard, Vulnerability and Risk Assessment
- Action Planning
- Damage and Needs Assessment
- Programme / Project Management

EMPLOYMENT RECORD

Asian Disaster Preparedness Centre (ADPC) , Thailand	Programme Coordinator – Urban Disaster Risk Management Team,	Jan 2007 – till date
United Nations Development Programme (UNDP) , New Delhi	Project Coordinator – Urban Earthquake Vulnerability Reduction Project (UEVRP), GoI-UNDP Disaster Risk Management (DRM) programme,	May 2004 – Jan 2007
United Nations Development Programme (UNDP) , UN House-II, Bhubaneswar, Orissa	Project Officer – Urban Earthquake Vulnerability Reduction Project	May 2003 – April 2004
Confederation of Indian Industry (CII) , New Delhi	Management Trainee - Environment Management Division	Jan 2003 – April 2003
Dalal Consultants & Engineers Ltd. (Now, Dalal Mott Mc) / Louis Berger Inc. Ahmedabad, Gujarat	Trainee - Infrastructure Services Division	May 2000 – July 2000
Sundaram Consultants (Architects and Consulting Engineers) / L&T Site Office Bangalore, Karnataka	Site Engineer – Civil works & QA/QC	Dec 1998 – May 1999

Jan 2007 – till date

Programme Coordinator – Urban Disaster Risk Management Team, Asian Disaster Preparedness Centre (ADPC), Thailand

- **Programme Management and Planning activities**, assistance for implementation of national demonstration projects, including coordination of activities such as monitoring of project budgets, monitoring of technical effectiveness of hazard mapping, vulnerability assessment, mitigation planning, implementation of mitigation activities.
- **Provide strategic directions** to the PROMISE (Program for Hydro-meteorological Disaster Mitigation in Secondary Cities in Asia – Bangladesh, Pakistan, Philippines, Sri Lanka, Vietnam) program components - small scale mitigation projects, advocacy and regional training, information and networking.
- **Monitoring and evaluation** of project activities and participation in **capacity building initiatives** in project countries
- **Technical Assistance** in ongoing activities under – Technical Assistance (TA) for Government of Islamic Republic of Iran – UNDP Iran, Strengthening capacities for DRM in urban centres of Kemran & Gorgan, Iran.
- **Program financial management** including monitoring of project budgets and reporting of monthly financial status.
- **Coordinate project training activities** with UDRM team members and other Teams in ADPC in order to ensure integration with regional training activities
- Provide technical assistance and guidance to implementing institutions and partners in implementing projects on urban disaster mitigation.
- Project status reporting (monthly and quarterly project reports, monitoring and evaluation system reports and financial reports) and performance review.
- Manage multi-disciplinary teams of subject experts, consultants, ADPC staff, and national partners in developing and implementing new country demonstration projects, training courses, information products and networking activities.
- Coordinate recruitment, assistance in development of scope of works for short-term consultants for technical assistance to national projects.
- Coordinate **information and networking activities** (workshops, conferences, meetings etc.) of country projects.
- Ensure compliance with the terms of the donors and cooperative agreement.
- Preparation of **project notes**, technical and financial proposals.

May 2004 – Jan 2007

Project Coordinator – Urban Earthquake Vulnerability Reduction Project (UEVRP), Gol-UNDP Disaster Risk Management (DRM) programme, United Nations Development Programme, New Delhi

- **Programme/Project Management:** Planning, coordination, implementation, monitoring and evaluation, reporting of the UEVRP.
- **Liase with stakeholders:** Ministry of Home Affairs (Gol), UNDP India, Partner agencies, State administration, District administration and the City Nodal agency for the implementation of UEVRP.
- **Technical support** to the Project Officers, City Nodal agency and Line Departments in setting up City Disaster Management Committee, Task Forces, Working Groups, Emergency Support Functions plans for project implementation and formulation of City Disaster Management Plan.
- **Providing programme and operational support** to the UNDP Country Programme on Crisis Prevention and Recovery, DRM Team and the Project Officers in preparation of work plan, budgets, partnerships.
- **Development of Information, Education and Communication (IEC) Materials:** Resource Material Tool Kit for the National Disaster Management Division (Ministry of Home Affairs, Gol), DRM programme and IEC material for the awareness generation campaigns in the programme states and the UEVR Project cities.
- **Advisory support to the Programme States/cities** for design, strategic guidance and overall coordination to the implementation of earthquake mitigation/preparedness initiatives to the DRM programme states
- Team member of the **Technical Advisory Group:** Provide support to the National Seismic Advisor in development of disaster reduction strategies and support for implementation with the national /state/partner agencies.
- **Technical and field level assistance** to the National Disaster Management Division (Ministry of Home Affairs) to institutionalize National Programme for Capacity Building of Architects in

- Earthquake Risk Management (NPCBAERM), National Programme for Capacity Building of Engineers in Earthquake Risk Management (NPCBEERM) and setting up of Hazard Safety Cells (HSC).
- Technical support for **developing methodologies** towards the creation of a **techno-legal regime** and institutionalizing comprehensive legislation at State/Urban Local Body (ULB) level
 - **Review of existing enforcement mechanisms** and facilitating revision of existing building byelaws for urban local bodies.
 - Assisted Ministry/Departments (Gol) for **mainstreaming Disaster Risk Reduction** activities in the ongoing national programme - Ministry of Human Resource Development (SSA Programme); Ministry of Urban Development (JNNURM/Model Municipal Byelaws); Ministry of Rural Development (IAY Housing); Ministry of Health and Family Welfare (NRHM).
 - **Conceptualization and implementation** of the District Wide School Safety Plan and Building Level Emergency Response Plan under the **School Safety Programme** in the DRM programme states and the UEVRP cities.
 - Handled integration activities in **mainstreaming disaster risk management** agenda in the functioning of the various sectors and national resource institutions such as Central Board of Secondary Education (Disaster Management in education – Grade VIII, IX, X), Institute of Town Planners India, Indian Institute of Architects, Institute of Engineers (I), Builders Association of India, Department of Audio Visual Publicity (DAVP), Confederation of Indian Industry, Corporate sector, Foundations and NGOs.
 - **Development of mechanisms for networking interface** between various national and local resource institutions to conceptualize and promote Disaster Risk Management Projects/Programmes and establish synergy with the Disaster Management framework of the Gol.
 - **Development of Training Modules** for Engineers and Architects on Seismic Risk Management (TEPEA), Masons and Construction workers on disaster resistant technology for new construction and retrofitting of low-medium rise structures.
 - Implementation of sector specific awareness building programmes on disaster management – Educational Institutions, Emergency Services and Corporate Sector.
 - Coordinator/Resource person for training and capacity building programmes including workshops, trainings, conferences etc.
 - Providing assistance to the Assistant Resident Representative (Vulnerability Reduction & Sustainable Environment) to establish synergy with the activities of other development partners, including national and state government agencies.
 - Was nominated by the UN as **Shelter expert in the Joint Assessment Mission (JAM)** on reconstruction requirements in Jammu & Kashmir State. The JAM was carried out by the World Bank and the UN in India at the request of the Government of India (15th – 23rd Dec 2005).

May 2003 – April 2004

Project Officer – Urban Earthquake Vulnerability Reduction Project, Gol-UNDP Disaster Risk Management programme, UNDP Bhubaneswar, Orissa

- **Project conceptualization and planning** - preparatory activities for the launch of the UEVRP (preparation of project guidelines, strategy document, manuals and assisting the project cities in formulation of detailed work plan)
- **Project development** of UEVRP and other earthquake risk reduction programmes including the National Earthquake Risk Mitigation Project (NERMP).
- **Planning, documentation, monitoring and evaluation** of activities in 38 cities under the UEVRP.
- **Course/Module development** and initiating training programme for engineers, architects, masons and community volunteers under the UEVRP
- Assisted Seismic Hazards Researcher in the **development of historical seismicity profile** of the states/UTs of the country.
- **Formulation of national/state and local level strategies** to generate mass awareness to address earthquake vulnerability, preparedness and mitigation measures.
- **Development of Resource Material Toolkit** on seismic hazards and disseminating information to the members of the DRM team, programme states and stakeholders/organizations.
- Reporting on the progress for internal review and assisting the DRM programme team in the development of earthquake risk reduction strategies for the programme state.
- **Organized city consultations** for UEVRP cities and established synergy with the stakeholders and partner institutions for project implementation.

- Provided assistance to the Assistant Resident Representative (Vulnerability Reduction & Sustainable Environment) and the Coordinator (Technology transfer), to establish synergy with the activities of other development partners, including national and state government agencies.
- **Formulated programme proposals** to meet the gaps in the risk management initiatives and outline the elements to be addressed for activities and implementation modalities

Jan 2003 – April 2003

Management Trainee – Environment Management Division, Confederation of Indian Industry (CII), New Delhi.

- Feasibility study of “Waste Incineration Systems in India”, which entailed a country wide inventory of incinerable waste generation and market opportunity review of incineration systems in India.
- Assistance to the division in promoting the concepts of Environment Management Systems.
- Desk study on Clean Development Mechanism issues in India.
- Assisted the Division in organizing the training programmes and workshops aimed at promoting eco-friendly industrial operations.

May 2000 – July 2000

Trainee – Infrastructure Services Division of Dalal Consultants & Engineers Ltd. (Now, Dalal Mott Mc)/ Louis Berger Inc. Ahmedabad

- Assisted the division in preparation of base line inventory for “Integrated Public Transit System (IPTS) project” Ahmedabad city.
- Conducted Bus Ridership Survey, Origin Destination Survey, Traffic Generator Survey and detailed Road Network Inventory for the city of Ahmedabad.
- Analysis and preparation of base line reports of the survey.

Dec 1998 – May 1999

Site Engineer – Sundaram Consultants (Architects and Consulting Engineers)/ L&T Site Office, Bangalore.

- Executed various construction activities such as piling, pile load tests, construction of pier, bearing installation, segment pre-casting and launching, road work and deck surfacing, lighting and drainage, QA/QC, traffic survey etc. on the project titled - "Design and Construction of 2.65km long Segmental Via-duct Bangalore".
- Preparation of daily/weekly/monthly reports to the client (Bangalore Mahanagar Palike) in terms of work progress and reports on Quality Control/Quality Assurance.

EDUCATION

June 2001 – December 2002

School of Planning, Centre for Environmental Planning and Technology, CEPT University, Ahmedabad, Gujarat, India
(http://www.cept.ac.in/planning_programm.htm)

Masters in Planning (Environmental Planning)

Thesis: 1. “*Planning Scenario for a Major Earthquake in Ahmedabad City*”. (The study emphasizes on the development of the earthquake scenario, potential damage to community and lifeline facilities, and suitable adoption of seismic risk mitigation measures)

2. “*Seismic Risk Management of Kathmandu Valley – Methodology, Outcomes, Conclusions and Prospects*” (The study addresses the plethora of natural disasters pertaining to seismic risk in Nepal and focuses on the issues in the urban area of Kathmandu Valley. The scope included the study of the Action Plan and the evaluation of the KVERMP)

June 1996 - May 2001

School of Building Science and Technology (SBST), Centre for Environmental Planning and Technology, CEPT University, Ahmedabad, Gujarat, India
(http://www.cept.ac.in/faculty_technology.htm)

5 years Bachelor of Technology (Civil – Construction)

Thesis: “*Performance Evaluation of High Performance Steel Fibre Reinforced Cement Composite – SIFCON*”

SCHOLASTIC AWARDS AND ACHIEVEMENTS

- Prize in the Category of Universal Applicability during the International Training Course on Disaster Risk Management of Cultural Heritage organized under the UNESCO Chair Programme, Research Center for Disaster Mitigation of Urban Cultural Heritage (Rits-DMUCH) Ritsumeikan University, Kyoto.
- Bai Chandrika Jayendra Trivedi Award conferred upon for the Best Graduating Student of CEPT in Building Services and Environmental Courses for the Year 2000-2001.
- Hiraben Dayabhai Desai Charitable Trust Award conferred upon for the Best Graduating Student of CEPT in Construction Technology for the Year 2000-2001.
- Distinguished Student Award for Best Final Year Student in Overall Performance in SBST for the Year 1999-2000.
- Awarded the prize for Best Student in Fifth Year (SBST) for the Academic Session 2000 - 2001.
- Awarded the prize for Best Student in Third Year (SBST) for the Academic Session 1998-1999.

TECHNICAL PAPERS

- Anup Karanth, “*Integration mitigation in urban construction – Building byelaws and regulatory framework in India*” Asian Disaster Management News, May-August 2007 Vol.13.No.2 http://www.adpc.net/v2007/IKM/ONLINE%20DOCUMENTS/downloads/2007/Sep/Newsletter_May-Aug.pdf
- Anup Karanth, Rajeev Issar, “*Promoting Safer Construction – Meeting the challenge*” at XXI All India BAI Convention, 18-20 Feb 2005, Delhi.
- Anup Karanth, Hari Kumar, Saroj Kumar Jha, - “Urban Earthquake Vulnerability Reduction Programme” inaugural issue of bimonthly magazine *Good Governance India* (Vol1 Nov-Dec 2003).
- Presented technical Paper “*Performance Evaluation of High Performance Steel Fibre Reinforced Cement Composite – SIFCON*” at National Seminar on Advanced Construction Materials organized by Gujarat State Disaster Management Authority (GSDMA) and Centre for Environmental Planning and Technology (CEPT), 14-15 Feb 2003, Ahmedabad.
- Presented technical paper “*A Comparative Study of Polypropylene Fibre Reinforced and Ordinary Concrete*” at APOGEE – 2001, BITS, Pilani.
- Presented technical paper “*Present Scenario on Fire Safety in High Rise Buildings of Ahmedabad*” at National Seminar on Fire Safety in High Rise & Special Type of Buildings – Application of codes and Regulations, NAFO, February 2000, Vadodara.
- Presented technical paper “*Repair and Rehabilitation of RCC Structures*” at JTM College of Engineering, January 2000, Faizpur

BOOK PUBLICATIONS

- First author of the book titled “**HAZARDS, DISASTERS AND YOUR COMMUNITY – A primer for Parliamentarians**” Arya A S, Anup Karanth and Ankush Agarwal (2005) published by the National Disaster Management Division, under the Gol-UNDP DRM programme <http://ndmindia.nic.in/WCDRDOCS/Primer%20for%20Parliamentarians.pdf>
- First author of the book titled “**SCHOOL SAFETY**” Arya A S, Anup Karanth and G Padmanabhan (2005) published by the National Disaster Management Division, under the Gol-UNDP DRM programme. <http://ndmindia.nic.in/WCDRDOCS/School%20Safety%20Version%201.0.pdf>
- “**An Earthquake Preparedness Guide – A ready reckoner for home dwellers**” Arya A S, Jnananjan Panda and Anup Karanth (2005) http://ndmindia.nic.in/EQ_G_H_Dwellers_Bilingual.pdf
- “**DISASTER RISK MANAGEMENT AND THE ROLE OF CORPORATE SECTOR – The Indian Perspective**” Rajeev Issar, N.B. Mathur, G. Padmanabhan, Anup Karanth & Jnananjan Panda published by the National Disaster Management Division, under the Gol-UNDP DRM programme. <http://www.ndmindia.nic.in/WCDRDOCS/DRM%20&%20The%20role%20of%20Corporate%20Sector.pdf>
- “**Together, Towards a Safer India... Part III, A stride Ahead – A textbook on Disaster Management for Class X**” CENTRAL BOARD OF SECONDARY EDUCATION. Authors: Prof A.S Arya, Ankush Agarwal, Arvind Nagaraju, Anup Karanth, Dr. Kamla Menon, Ms. A. Venkatachalam, Ms. Balaka Dey, Shri Hemang Karelia, Ms. Malini Narayanan www.cbse.nic.in/DM%20ENGLISH.pdf; <http://www.cbse.nic.in/DM%20HINDI.pdf>

- Co Author for Class VIII and IX Standard Disaster Management Textbooks, CENTRAL BOARD OF SECONDARY EDUCATION.
- Together, Towards a Safer India...Part I, An Introduction to Disaster Management for Class 8 <http://www.cbse.nic.in/Disastermgmt8th.pdf>
- Together, Towards a Safer India...Part II, Disaster Management for Class IX <http://www.cbse.nic.in/disateshindi9th.pdf>
- P K Das, N P Singh, Amit Verma, Anup Karanth "Module and Capsule on Masons training programme" National Institute of Disaster Management (NIDM).

KEY PRESENTATIONS IN WORKSHOPS/CONFERENCES

- Technical workshop on **Finalization of the Regional Consultative Committee (RCC) Guideline on Mainstreaming Disaster Risk Reduction into Infrastructure sector (Roads)**, Bangkok, Thailand (Jul 27- 28, 2007). Joint Presentation with M.Jaiganesh on "*Vulnerability of Road Infrastructure to Natural Hazards- Rationale for Mainstreaming DRR into Road sector*".
- **Regional Conference on Good Urban Governance in South Asia (GUGSA)** June 27-28, 2007, Hyderabad India, Organized by Administrative Staff College of India (ASCI), Ministry of Urban Development (GoI), TCG International LLC, USAID India. Presentation on "*Vulnerability of South Asian cities to Natural Disaster Risks*". (<http://url.asci.org.in/GUGSA/home.html>)
- Presentation on *Development of the Community based EWS for the KaluGanga basin* in the forum organized by LIRNEAsia in partnership with Sarvodaya Sramadana Sangamaya on "**Sharing knowledge on Disaster Warning, with a focus on Community-based Last-Mile Warning Systems**" 28th – 29th March 2007, Colombo Sri Lanka.
- Resource person for **Workshop on Risk Assessment of Floods and Landslides and International Conference on Mitigation of Risk of Natural Hazards**, University of Peradeniya, 26th – 27th March 2007, Sri Lanka.
- Resource person for **Workshop on Urban Earthquake Risk Management** under the Strengthening Capacities for Disaster Risk Management in Iran (Islamic Republic of Iran-UNDP) 2005-2009, 25th Feb - 7th March 2007, Gorgan and Kerman, Iran.
- International Forum on Disaster Risk Management of Cultural Heritage, 3rd November 2006, Kyoto, Japan. Presentation on **Risk Management Plan Outline - Qutub Minar and its Monuments (Delhi, India)**, Dr K P Poonacha (Director – Conservation, Archaeological Survey of India) and Anup Karanth.
- Presentation on '*Disaster Mitigation and Preparedness Initiatives in India*', **International Training Course on Disaster Risk Management of Cultural Heritage**, 23rd October 2006, Rits-DMUCH, Ritsumeikan University, Kyoto, Japan.
- **Regional Visioning Workshop Building of a Community of Practice** 21st – 23rd June 2006 Bangkok, Thailand. Presentation on "*Knowledge Management for Disaster Risk Management*".
- Workshop on '**Earthquake Risk Mitigation and Management**' 17th – 21st April 2006, National Institute of Disaster Management, New Delhi India. Presentation on "*Earthquake Risk Mitigation and Preparedness - Recent initiatives in India*".
- **Training of Regional & State-Level Officers/Functionaries of NSS In Disaster Management**, 23rd - 24th Feb 2006, Dehradun India. Presentation on "*Vulnerability & Risk Profile of India*" and "*Disaster Management in Education and School-College Awareness & Safety Initiatives*".
- Workshop on '**Building Partnerships for Earthquake Risk Management in Bhutan**' organized under the 'Thimphu Valley Earthquake Risk Management Project' (TVERMP) by the Standards and Quality Control Authority of the Bhutanese Ministry of Work and Human Settlements and UNDP/BCPR, 19th Aug 2005, Thimpu Bhutan. Presentation on "*Case study and Experiences from the Urban Earthquake Vulnerability Reduction Project - India*".
- **National Consultation of Habitat Forum**, 5th – 6th Aug, 2005, Bangalore India. Presentation on '*Institutional Innovations and Way Forward in Disaster Reconstruction and Preparedness*'.
- Workshop on '**Tsunami Hazard along the Indian Coast**' 3rd – 4th Aug 2005, Centre for Atmospheric and Oceanic Sciences (CAOS), Indian Institute of Science, Bangalore, India.
- **World Conference on Disaster Reduction (WCDR)**, 21st January 2005, Kobe Japan. Roundtable: Engaging Stakeholders and Building Sustainability Mechanisms. Presentation on "*Institutionalization and sustainability of disaster risk management initiatives in urban areas of India*" Dr DK Paul (Professor & Head. Dept. of Earthquake Engg., IIT Roorkee) and Anup Karanth.

- **Disaster Management Workshop** at Wadia Institute of Himalayan Geology, organized by Department of Science & Technology, Govt of India, New Delhi and Asian Disaster Preparedness Center (ADPC), 6th – 12th December 2004, Dehradun, India.
- National Seminar on '**Mainstreaming Disaster Management into Volunteerism – The Role of National Service Scheme**' 18th – 19th November 2004, Pune India, organized in association with the Ministry of Youth Affairs and Sports and the Ministry of Home Affairs, Government of India. Presentation on '*School Safety and Strategy for Programme Implementation*'.
- **International Conference on Managing Seismic Risk in Developing Countries**, 17th–19th March 2004, organized by Disaster Management Institute (DMI) Bhopal, in collaboration with Ministry of Home Affairs (GOI), Department of Science And Technology, Bhopal.
- Workshop on "Rapid **Assessment of Seismic Vulnerability of Urban Building Stock**", 3rd – 4th Sept 2003, organized by Ministry of Home Affairs (GoI), IIT Bombay and UNDP, Mumbai India.
- Provided support as Resource Person for training programme at Asia Disaster Preparedness Centre (ADPC), UNDP, National Institute of Disaster Management (NIDM, New Delhi) and Confederation of Indian Industry (CII, New Delhi).

PARTICIPATION IN TRAINING PROGRAMME

- Incident Command System Training (IS-200 ICS for Single Resources and Initial Action Accidents), 17th - 21st Sept 2007, Pathumthani, Thailand, organized under the U.S Indian Ocean Tsunami Warning System (IOTWS) Program.
- Participated in the training course on Community Level Basic Emergency Response Course (C-BERC), Da Nang, Vietnam from 10th – 12th Sept 2007, organized by CECI Vietnam, Vietnam Red Cross, USAID-Asia and ADPC.
- Training Workshop on Good Governance for Building Resilient Cities, 29th - 30th Jun 2007, Hyderabad India, organized by Administrative Staff College of India (ASCI), Ministry of Urban Development (GoI), TCG International LLC, USAID India.
- "International Training Course on Disaster Risk Management of Cultural Heritage" at Ritsumeikan University (Research Center for Disaster Mitigation of Urban Cultural Heritage, Rits-DMUCH), 22nd Oct - 3rd Nov 2006, Kyoto, Japan.
- One week Short Term Training Course on Earthquake Resistant Design an Construction of Buildings, 18th – 22nd Sept 2006, organized by Building Materials and Technology Promotion Council (BMTPC), Ministry of Housing and Urban Poverty Alleviation, New Delhi & IIT Roorkee.

PERSONAL DETAILS

Date of Birth: 14th June 1977
Martial Status: Married

Sex: Male
Proficiency in Languages: English, Hindi, Kannada.