

ONE DAY WORKSHOP ON
MEP AND FIRE SERVICES IN BUILT ENVIRONMENT

23RD SEPTEMBER 2018, SUNDAY

GIDC BHAVAN, CEPT UNIVERSITY

SCHEDULE

9.30 am – 10 am	Registration and Introduction of speakers
10 am – 11.30 am	Integration of all MEP Services for tall buildings by Mr. Pankaj Dharkar
11.30 am – 1.00 pm	Egress Design for the Built Environment - Importance, Principles & Design Approaches by Mr. Abhay Purandare
1 pm – 1.30 pm	Lunch
1.30 pm – 3.00 pm	Fire Protection by Mr. Uday Shikhare & Exhibit of fire protection devices
3.00 pm – 3.30 pm	Note of thanks Distribution of certificates (for students only)

Call for participation: The workshop is designed for civil, construction and structural engineers, architects, interior designers, MEP, fire safety professionals and building performance professionals.

Students in these domains from any institute are welcome to attend and will be eligible for certificate of participation.

Other faculty/professionals are eligible for certificate only on request.

Registration: Registration is free but mandatory by 21st September 2018. Registration may be done by emailing the workshop coordinator the following details: Full Name, Organization/ Institute belonging to (if applicable), certificate requirement (yes/no), email id and contact no., food preference (if any).

Workshop Coordinator: (for registration)

Anal Sheth

Program Chair, Structural Engineering Design

anal@cept.ac.in, 9512180234

Shalini Rai

Post graduate student in Structural Engineering Design

shalini.pg180922@cept.ac.in, 8871335459

BRIEF PROFILE OF THE SPEAKERS



Profile of Pankaj R. Dharkar:

Mr Pankaj Dharkar is a leading MEP & Green Building Consultant of India having rich experience of more than 36 years and has to his credit, designing of more than 3500 projects of various applications in India and abroad. He is currently responsible for the conceptualization and planning of MEP Services & Green Building for several Green and sustainable buildings. He is currently consultant for many up-coming Tall Buildings. His prestigious clients include - Kalpataru / Palais Royale / Godrej / K. Raheja / Omkar / D B Realty / IL & FS (Gift City -

Gandhinagar) / Embassy One (Four Season Hotel - Bangalore) / TCG Real Estate (World Trade Centre - Gurgaon) / TCG Biotech Park - Pune / Wadhwa / / Radius / Indua Bulls / Sheth Developers.

PDA is currently associated with 12 million sq ft of footprint in India for Green Building Certification work. PDA was also associated with Net Zero Building Lab project at CEPT - Ahmedabad.

He is working as an MEP & Green Building Consultant, heading M/s Pankaj Dharkar & Associates, having offices at Ahmedabad, Mumbai, Delhi, Indore & Bangalore. PDA venture came into existence from 6th Sep 2006.

He is an active Member of

- Member of USGBC (US Green Building Congress)
- Fellow Member of IGBC (Indian Green Building Congress),
- Fellow Member of ASHRAE (American Societies of Heating Refrigeration & Air-conditioning Engineers)
- Life Member of ISHRAE (Indian Societies of Heating Refrigeration & Air-conditioning Engineers)
- International President of FSAI (Fire & Security Association of India)
- Member of CTBUH (Council on Tall Buildings and Urban Habitat)
- Member of NFPA (National Fire Protection Association)
- Member of AIACRA (All India Air-conditioning & Refrigeration Association)
- Member of IPA (Indian Plumbing Association)
- Member Solar Society of India.
- Member UL Fire Safety Council.
- General Chair of recently concluded ASHRAE RAL CRC - Bangkok 2016
- National Chair Person for the new Green Building Certification program called "GEMS" by ASSOCHAM
- Chairman of REFCOLD 2018 (International exposition of Refrigeration & Cold Chain at Mahatama Mandir, Gandhinagar)

He has served on many National & International Assignments in various societies that include

- Assistant Regional Chair (ARC) of Region-At-Large (RAL) for ASHRAE (2015/16)
- Voting Member of ASHRAE Tall Building Committee TC 9.12.
- Served Nominating Committee Member for six years for selecting ASHRAE Global Leadership.
- Past President of ASHRAE Western India Chapter (1999/00)
- Past President of ISHRAE Ahmedabad Chapter. (1994/95)
- Past National President of ISHRAE. (2007/08)
- President of FSAI- Gujarat Chapter
- Committee of BEE to promote Energy Conservation Building Code in India.
- Chair Vision ACREX.
- National chair steering committee ACREX – 2016.

Mr Pankaj R. Dharkar has always been a dynamic member and contributed tremendously towards achieving of the goals and visions of various Engineering Societies at National and International level. At present, he is handling 300 projects of all possible applications like Pharma Clean Room / Bio-Tech Park / Soft Ware Park / Data Centers / Diamond Factories / Entertainment Complexes / Sound Studio / Cold Rooms / Office Building / Hotels / Hospitals / Multiplexes / Shopping Malls / Tall Building. He is also associated with several Luxury hotel Chains like Four Seasons / Hyatt / Hilton / Star Wood / Radisson / Marriot / Trident (Oberoi) / Taj etc.

Recently Received Awards

- Global Emerson Cup 2010 award for Retrofit (Asia & Middle East)
- Global Emerson Cup 2010 award for Special Applications (Asia & Middle East)
- 6th Bry-Air Award 2010 – 11 for Excellence in System Design
- Global Emerson Cup 2011 Excellence award for Retrofit (Asia & Middle East)
- ArchiDesign Award for Excellence - Best HVAC Designed Project – 2011
- ISHRAE Distinguished Service Award for the year 2011-12
- ASHRAE Fellow
- IGBC Fellow
- ISHRAE Lifetime Service Award
- Entrepreneur: The Artist of Enterprise (Dainik Bhaskar selected TOP 42 Professional from Gujarat)

Brief Profile of Abhay D. Purandare

Abhay D. Purandare has worked in the fire safety profession for over two and a half decades. He has completed his Master in Fire Protection Engg from the University of Maryland, USA, is a Fellow of the Institution of Fire Engineers (UK) and Institution of Fire Engineers (India) and a Professional Member of the Society of Fire Engineers (USA). He has worked in the areas of fixed Fire protection systems, fire safety training/ consultancy, firefighting equipment design & development, higher education in Fire engineering, and major project engineering consultancy. He has worked on both industrial and infrastructure projects, with experience in India and the Middle East. He presently works as a Fire & Life Safety Specialist, based out of Ahmedabad.

In his session, he will be addressing Egress Design for the Built Environment - Importance, Principles & Design Approaches. Egress design is fundamental to life safety in the built environment, and is yet not fully appreciated by architects and building professionals. Some

significant fire accidents will be used to highlight the problems of life safety within buildings, and the effects of fires on occupants. Principles and code provisions will be discussed, which include occupant loads, exit capacities, exit components, fire separation & compartmentation, fire protection, interior lining, lighting & signage, etc. Concepts of performance based egress design will be explained and tools currently used for this design approach.

Brief Profile of Uday A. Shikhare

Uday A. Shikhare is a graduate of IIT Roorkee with earthquake engineering as major discipline. His areas of interest include analysis and design of residential, commercial & industrial structures, earthquake resistant design of structures, design and analysis of PSC, composite bridges, pre-stressing and construction stage analysis. design of linear and non-linear connections, steel to concrete connection design, ACI 318 and EC 2 codal provisions for the connections, passive fire protection works designing, designing of the NSE's (Non Structural Elements) termed as temporary structures. His experience is in areas of quality control, civil and structural design and management of civil structures. He has been associated with prestigious firms such as Skanska cementation, B G Shirke Construction Technology Pvt. Ltd, MIDAS India R&D Center and BOSCH Ltd. (Fischer Ltd.) He has handled many civil and structural building and bridge projects. He is appraised with advanced software packages for civil and structural design. His publications include:

- N. B. M. C. & W. "Shear Lags effect on Composite Bridges", U.A. Shikhare, Pg. no. 192-193
- IGC, Warangal, "Seismic Analyses of an Embankment Dam Using Different Techniques", U. A. Shikhare, B. K. Maheshwari, D. K. Paul
- Indian Concrete Journal, "Design Aspects of Bonded and Under-cut Anchors", Nagpur Chapter, Vol. II, Pg. No. 62-63, U. A. Shikhare
- CII, Environmental Aspects of Green Buildings, "Green Buildings and Accessories, Awarded for the best performer, Will be published in Dec-16 Volume.
- Under Revision by International Journal of Analytical Studies, "Pull-Out Test Approach-Theoretical Approach", By Uday Shikhare
- Bridge Design Journal, Uttarakhand Governments, "Stability Checks of Chauras Bridge Using MIDAS-Civil, Pg. 01-10, Vetted by Indian Institute of Technology - Bombay, By Uday Shikhare
- Editor for the Fischer News Letters on Various Technical aspects of Fischer Techniques, so far ten such Newsletters got Published on monthly basis till July-16
- Bridge Division of Bhutan Government, "Design of 54.00 M Deck Arch Bridge on River Wang-Chuu at Thimphu, Bhutan", By Uday Shikhare