**WEBINAR TITLE:** **'CONSERVING RESOURCES FOR ENTIRE LIFE CYCLE OF COMMERCIAL BUILDINGS THROUGH DESIGN'**

*E-Certificate will be awarded on successful participation.*
Registration Fee (including GST): Rs.472/- (rupees four hundred seventy-two only) per Webinar.

## Expert Speaker (Name/ Designation)

Dr. S DAS, Ph.D.
Associate Professor, Dept of Architecture, Town & Regional Planning, Indian Institute of Engineering Science and Technology (IIEST), Shibpur.

**Webinar Dates:** 26/02/2021, 05/3/2021, 12/3/2021 & 19/3/2021 | **Duration:** 1430-1630 hrs (2 hrs)

## About Webinars (4 Webinars' Series):

Commercial buildings in India need to mandatorily adopt ECBC 2017. However, globally majority of the energy efficient or Green Buildings show performance deviation from their design targets. Here the plethora of building services needs to perform together as a whole system. The success of a Green Building is realized in its operation-maintenance (O&M) phase, but roots back to the early design phase when the decisions are mostly arbitrary as the details are not mature enough to carry out calculations or simulations. Design for maintainability (DfM) can address this issue by integrating O&M considerations into project planning and design stage to achieve effective Resource Conservation during the lifespan of a facility. With a focus on two major energy consuming systems, namely, Lighting and HVAC, this webinar series is divided into four related modules:

- *'Design Management: The early decisions' - 26/02/2021 (Friday); 1430-1630 hrs.*
- *'Design for Maintainability (DfM)' - 05/3/2021 (Friday); 1430-1630 hrs.*
- *'Smart management of Lighting System' - 12/3/2021 (Friday); 1430-1630 hrs.*
- *'Smart management of HVAC System'- 19/3/2021 (Friday); 1430-1630 hrs.*

## Webinar Coverage:

- Building Design (Architecture, Civil, Mechanical, Electrical): Designers will be able to take initial design decisions correctly such that *Green Certification* is streamlined and their design guarantees to retain its performance over time. As a result the owner benefits significantly.
- Building Commissioning: Building Engineers will learn where to look for possible *loopholes* in design.
- ESCo (Energy Service Companies): ESCos will be able to prioritize the choice of *green features* and products on case by case basis rather than compromising the *building scheme* with available products in the market.
- Facility Management: Facility Managers will be able to plan the *O&M process for preventive maintenance* rather than corrective maintenance leading to enhanced *safety and productivity*.

## Speaker Profile:

Dr. S Das is a Building Technologist with experience of 16 years with 7 top Technical Universities and industries of India, Germany and Singapore. Her research area includes BIM; Sustainable Building; Critical Infrastructure Protection; and Disaster Management. Professional and academic excellence has brought her 11 National and International awards. Before joining as Associate Professor at IIEST Shibpur, she was fulltime faculty in IIT Kharagpur for about a decade and was post-doctoral fellow at National University of Singapore (NUS). She has authored over 70 Technical Papers, guided several post-doctoral students and is a regular reviewer of various indexed Journals and Conferences.

Thanks & Regards
NPC Kolkata