

ABOUT THE WORKSHOP

The global outbreak of COVID-19 has affected every part of human lives, including the physical world. The role of environmental factors in shaping viral pandemic spread has also emerged. Thus, an integrated approach is necessary to create sustainable strategies for healthcare and environment management systems to prevent future pandemics. The emergence and implementation of a circular bioeconomy framework to transform health and industrial systems in accordance with the natural environment are assuming critical significance in the post-pandemic economic scenario. These efforts are needed to be complemented with environmental engineering infrastructure systems in an integrated manner comprising the principles of prevention, recovery, separation, treatment, remediation, and optimization. The present webinar will discuss the impacts of the COVID-19 pandemic on health and the environment, provide an account of different interventions adopted in the Covid-19 period, and evolve recommendations for future management.

THRUST AREA

- Origin of COVID-19
- Methods of diagnosis
- Vaccine and drug development
- Surface disinfection and sanitization
- Air pollution and respiratory illness
- Industrial safety & workplace management

ABOUT CIVIL ENGINEERING DEPARTMENT

The Department of Civil Engineering, as old as the Bengal Engineering College itself, is a 165 years old Engineering Department. The then Civil Engineering College was upgraded to the status of a full-fledged Government Engineering College with various disciplines and renamed as the Bengal Engineering College. It was upgraded to Bengal Engineering and Science University, Shibpur and IEST, Shibpur in 2004 and 2014, respectively. It offers Undergraduate Dual Degree and also Post Graduate program and Ph.D. program in Civil Engineering under five disciplines, viz. Structural Engineering, Geotechnical Engineering,

Water Resources Engineering, Transportation Engineering, and Environmental Engineering.

ABOUT CENTER FOR HEALTHCARE SCIENCE AND TECHNOLOGY

The Centre for Healthcare Science and Technology at IEST, Shibpur has been introduced in year 2010 with an objective to provide interdisciplinary research and training programs encompassing the fields of modern biology, medicine, engineering, physics, chemistry and mathematics etc. to solve important problems related to public health in the society. The Center offers two full-time two-year M Tech. programs in Biomedical Engineering and Safety and Occupational Health Engineering. The focus areas of research in Center are biomedical, instrumentation, imaging, neurobiotechnology, biomechanics and implant manufacturing, and biomaterials.

CALL FOR REGISTRATION

Interested students, faculty members, scientists, working professionals may register through the google form link: t.ly/xBWI

Last date for registration: February 26, 2021

ORGANIZING COMMITTEE

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TEQIP – III SPONSORED

WEBINAR

ON

SUSTAINABLE HEALTH & ENVIRONMENTAL MANAGEMENT DURING COVID-19 PANDEMIC

March 01-03, 2021



Organized by

Department of Civil Engineering
&
Center for Healthcare Science and
Technology

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