



Dean (Planning and Development)
Indian Institute of Engineering Science and Technology, Shibpur
(Formerly Bengal Engineering College, Estd. in 1856)

INSTITUTE REPOSITORY

The unprecedented COVID-19 crisis has created a situation where physical interaction with mass gathering seems to be a remote possibility in the near future. In the given situation, the only way to reach the students and other stakeholders of any academic Institution is the online mode. With a vision to reach out to a maximum number of stakeholders, Prof. Parthasarathi Chakrabarti, the Director, IEST, Shibpur in one of the online meetings with the Heads and Deans of the Institute floated the idea of creation of an online Central Repository to supplement the online teaching-learning process.

In a time when the once reverberating classrooms across the world have gone silent, the objective has been to continue with the teaching-learning process by using modern technology. The Institute repository has a section where the course materials, including lecture notes, resources, and assignments are populated by the faculty members and the students of the respective class can access the materials through their login. The students of this Institute come from a wide spectrum of geographical locations across the country, ranging from the urban areas, semi-urban areas, to the remote places where the Internet connectivity is not always upto the desired strength. The Institute repository for course material enables every student to access instructions at their will and as per their convenience. The Students in remote areas who are unable to join online classes in real-time due to network speed or bandwidth problem can download the materials during the time of the day when the connectivity is stable and robust and read them offline afterward.

The repository will also contain pre-recorded audio and video lectures delivered by the teachers on various topics related to courses offered by them. It will also provide video lecture-cum-demonstration of practical experiments specially prepared by the faculty members for conducting virtual laboratories wherever possible. Further, it will be augmented with other sections namely, the Institutional efforts towards a current cause which is now 'COVID-19 Initiatives'; 'Rare Documents' which relates to the contribution of this great Institute towards the dissemination of engineering education in this country since the early years; 'Research Ideas and Contributions' which will showcase the disruptive and valuable research outputs from the Institute including innovative engineering implementations. The goal of 'Research Ideas and Contributions' section will be to make the information available to the outside academic world panning to the larger human society as a whole and to string together academicians for probable collaborations leading to more useful contributions to the humanity.

The perseverance and the spark of the young minds of the students are often reflected in the works done in the form of project works and the thesis contributions. The Institute also plans to add a section 'Students Works' to the Central Repository to acknowledge and proliferate the students' commendable works.

The Institute also plans to provide a view of the modern laboratory facilities, high-performance computational environments, and rich content of the library in another section, namely 'Scientific Facilities'. The goal will be to offer those services to the academic congregation of other Institutions.

We will follow our passion for building the repository in quick increments to an enormous container of knowledge and information where every academician will love to tread with delight. More ideas are welcome to make this effort genuinely unique.

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(Sudip Kumar Roy)
Dean-(PD) &
Chairman Task Force, COVID-19