Transforming to a Digital University

WEST BENGAL UNIVERSITY OF HEALTH SCIENCES

West Bengal University of Health Sciences (WBUHS) was set up by an Act of the West Bengal Legislative Assembly in the year 2003, for better management of the health and medical education related courses, which were so far taught separately by the University of Calcutta, and the Universities of Burdwan and North Bengal. All the courses have been brought under the single umbrella of WBUHS for upgrading the level of teaching in the state.

At present, WBUHS offers undergraduate, postgraduate and post-doctoral, courses including the Ph. D. programme in Modern System of Medicine, Homoeopathic System of Medicine, Ayurvedic System of Medicine, Unani System of Medicine, Nursing Education, Pharmacy Education, Dental Education, Physiotherapy, Speech Therapy and Education on other paramedical courses like Occupational Therapy and Prosthetics-Orthotics in the state of West Bengal. The university affiliates a number of new colleges for the revised seats in MBBS, BDS, BAMS, and BPT, B.Sc in Nursing, M.Sc. (Nursing) and B. Pharm courses, throughout the state. Some MD/ MS seats in different subjects of Modern Medicine and Homoeopathy have also been added.
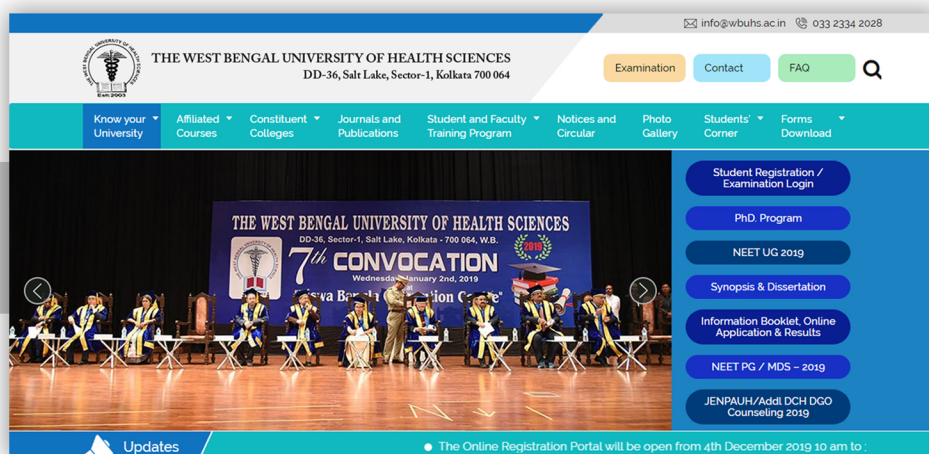
Brand New Portal of WBUHS

Project Objective

The main objective of the project is to revamp the portal for **https://www.wbuhs.ac.in/** to showcase the university's brand persona in the most attractive and professional manner. Easy navigation, content rich and robustness will make it one of the best university portal site.

Project Background

After a detailed and engaging conversation with WBUHS Vice-Chancellor, we came up with some observations. We made a deep delving analysis of the WBUHS portal and identified the following areas of restructuring:

- The immensely informative portal needs to be more organized with menu and submenu, and better content distribution

- Needs more attractive features for helping students and faculty,

- Need better navigation for better availability of academic resources and documentation

- More categories required for additional courses, departments, and other administrative services

- Needs to make user-friendly for all visitors

- The site needs to be updated with new content to bring out the developments, achievements, and activities of WBUHS

- Ensure enriched user experience with better designs, page layout, and content planning

- Proposed portal needs to be responsive

- The portal needs to be redesigned with improved look and feel

The portal will be a CMS driven and responsive site with latest technology and it will be an informative site displaying various information and options in easy and user-friendly way.

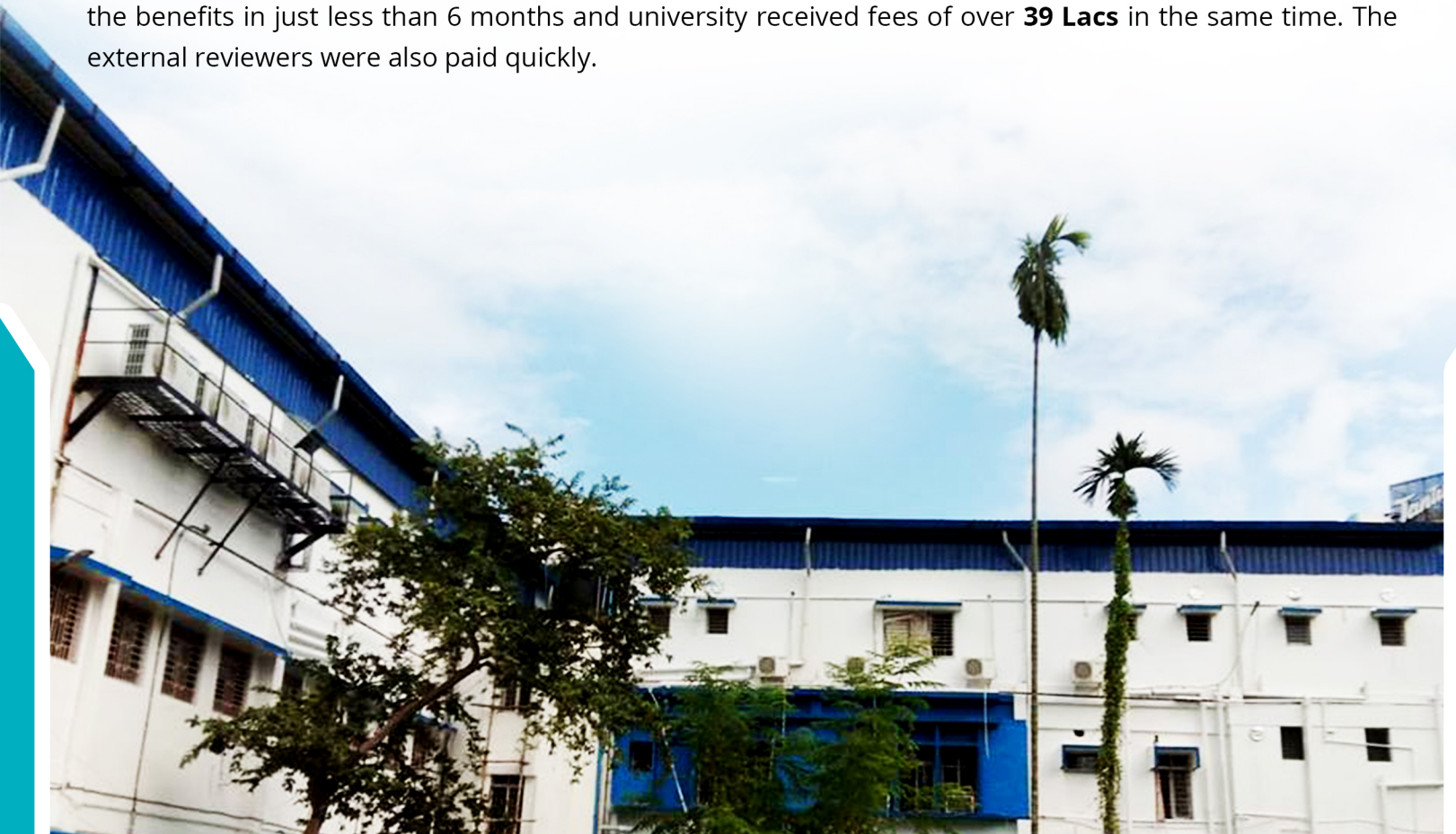# Transforming WBUHS towards a Digital University

After the successful launch of the WBUHS portal, University management wanted as per their roadmap, wanted to streamline the various process / streams to become automated and work in e-office mode. 3 Streams / areas were identified to get into this part one after another.

A. Automation of SDM (Synopsis and Dissertation Management)

Context: Synopsis & Dissertation System software facilitates in publishing your thesis and other content material in the web world effortlessly and implement a digital workflow process. Our system will have a functionality that allows WBUHS to moderate and delegate the work to enrolled Thesis Reviewers to do the reviewing of the material. They can be given access to update any articles and other content for your website. Students will have to pay online, hence Payment gateway will be integrated into the system.

Implementation: We made a detailed study of the existing process and had many discussions with relevant stakeholders and came out with the approach to develop the system which will make the process smooth and seamless. Student and External Reviewers are the key users of the system and the approach was smooth for them to switch to the new system was effortless.

Benefit: It was a phenomenal success and an instant hit specially with students, who earlier used to submit their thesis papers by physically coming to the university with a pendrive or CD and also had pay their fees through counters... but with this fully cloud based application thousands of students were easily able to submit their papers, pay fees online and got the tracking workflow of their papers. Over **3500 Students** got the benefits in just less than 6 months and university received fees of over **39 Lacs** in the same time. The external reviewers were also paid quickly.

B. Affiliate Institute & College Registration Management System

Context: Affiliate Institute & College Registration Management System is a cloud based Application which empowers the institute, college and courses registration, enrolment and introduce new courses and renewals as well. The existing process had a lot of manual processes and activities that were tough to coordinate and manage. Renewals and Notices were a pain. A new application was thought to help them to manage the renewal and others systemic official activities, too. The basic structure of the Application was based on 2 major workflows:

1. **Existing Affiliated Institutes& Colleges – Renewals and adding new courses**
2. **New Affiliated Institute & Colleges**

Implementation: With the study of the loopholes of the existing processes, a detailed architecture was worked out and the activities were orchestrated to the new application. Keeping in mind the end users of various types, the application was made with easiness of managing it but with strict permissions. Admin panel was powerful with lot of insights.

Benefits: Around 150 affiliated colleges and institutions got benefitted with the introduction of this solution. Even sending automated reminders at various steps was of great help for the admin users. These colleges from various parts of West Bengal ware extremely beneficial as they are now paying renewal and affiliation fees and the complicated process of renewal, auditor's visit etc are digitally streamlined.

C. PhD Management System

PhD Management System software facilitates in publishing your research and other content material in the web world effortlessly and implements a digital workflow process. Our system will have a functionality that allows WBUHS to moderate and delegate the work to enrolled Research Reviewers to do the reviewing of the material. They can be given access to update any articles and other content for your website. Students will have to pay online, hence Payment gateway will be integrated into the system.

The latest addition to the e-University roadmap and it also a great solution to automate the entire process.