



Build Amazing Stuff. Get Walkwel

Smart Solutions for Educational Systems



Overview

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Need: One of the leading technical Universities preferred an effective and advanced approach to improvise PhD curriculum and manage it from initial registrations to final thesis submission proficiently.



Solution: The organization collaborated with Walkwel Technology in order to design a software based platform for its entire PhD related glitches and efficiently provision Angular solutions on demand.

Benefit

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Process Standardization



Student Welfare



No Communication
Gap

Background

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One of the leading Technical Universities of India having 1.5 lakhs students (including 1,500 plus international students from 30 plus countries) enrolled in 186 affiliated institutes/colleges wanted a platform to manage the PhD subdivision from admission procedures to thesis completion of each and every individual. Tracking the activities of all the professors and students involved in the PhD curriculum and taking a keen step towards smarter educational process was the desired vision. Walkwel intends at transforming the client's educational system into an improved academic platform with competent workflow at condensed operational cost.



Initially the Professors involved in the PhD curriculum were spending more time in a mismanaged hustle of PhD admissions, analyzing work and botched paperwork than actually teaching. The university then started looking for more cost efficient ways to provide genuine analytics of students and manage this subdivision in an efficient manner.

Walkwel pursued to deliver managerial capabilities for supporting resources to cater educational institutions across the world.

Importantly, from the very beginning of its initiative, Walkwel identified the challenge cropping up in the university system and managed to create a platform where all the problems faced by the students-professors and the administration were taken care of. Time management, unbiased assessment and a transparent system of grading was the main motive behind the technical solution provided.

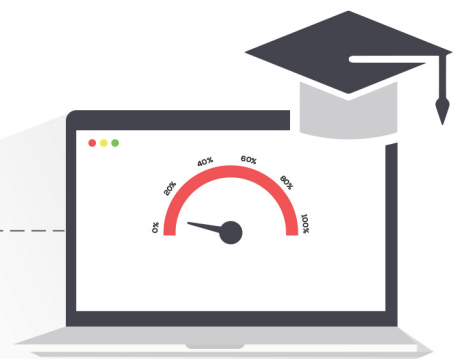
Problem



The excessive occupancy in the administration department on the name of PhD division had slowed down the process by implementing manual workflow, lack of information and accountability.

Such issues resulted in lack of student-teacher collaboration and effective work scheduling. The PhD fellows had to compromise on academic grounds for administrative shortcomings. Considered as a modernizer for educational technology,

Walkwel is persistently eyeing new advancements for using technology to enlarge the educational amenities. Identifying analytics as an influential tool that could manage the future of the students, Walkwel made the existing technological management available to students and professors in the academic and research program.



Solution

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procedures to thesis completion of each and every individual. Tracking the activities of all the professors and students involved in the PhD curriculum and taking a keen step towards smarter educational process was the desired vision. Walkwel intends at transforming the client's educational system into an improved academic platform with competent workflow at condensed operational cost.

Renewing the management process

Software based administration frameworks to make, convey and file information in differing manner were the solution highlights.

Propelling functionalities to get applicable information reduces assistance for management operations. Robust verification strategy for controlling data security was to be provided. In addition, the solution was a complete administrative and academic management platform underpinning the advanced administrative strategies. Competency level of each student should be based on timely submissions, publications and approvals on time.

Digitalized evaluation tools provide a precise assessment without any biasing. The outcomes help as a feedback mechanism for the upgrading terminology.

and a smart educational system will improve the procedure of tracking their activities.

Results

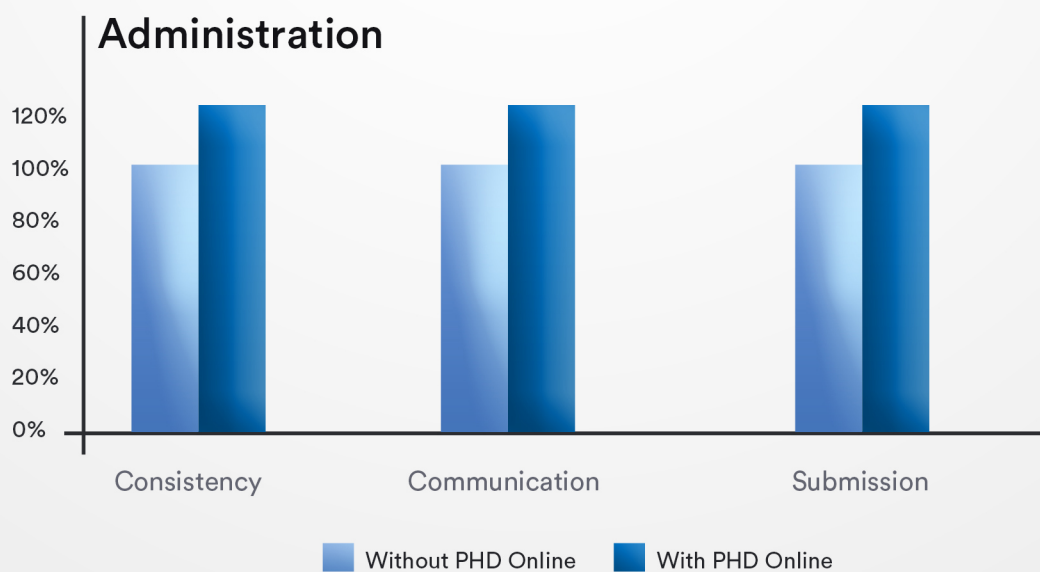
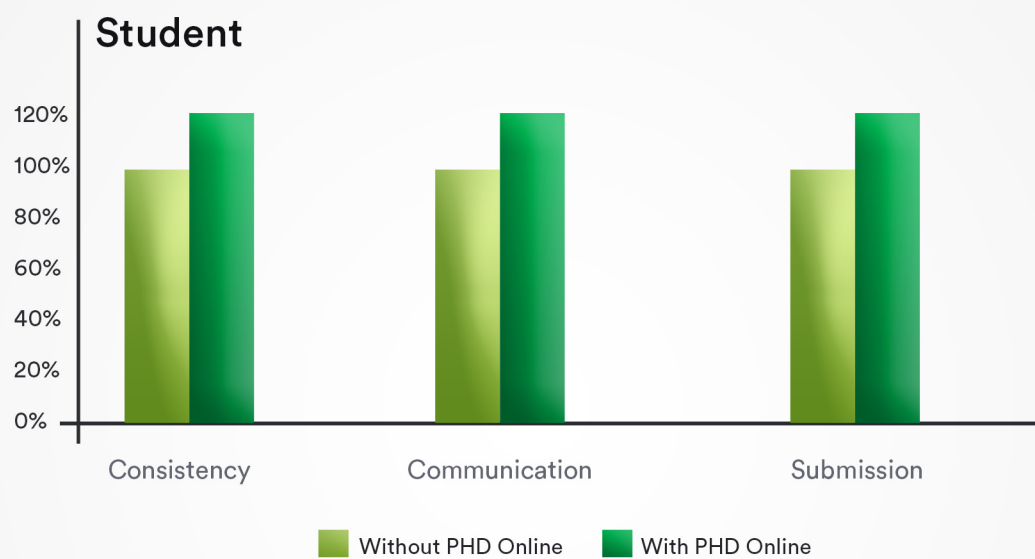
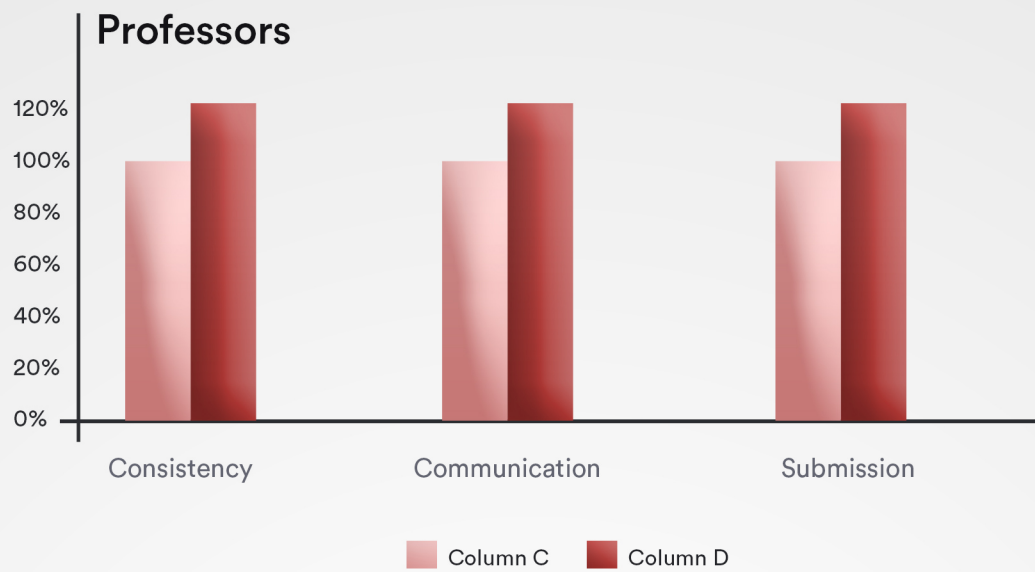
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Process standardization and student-teacher welfare was the key goal for this solution. The education industry is often considered to have lacking standardized processes. The solution implemented by Walkwel ensured a common set of procedures and process flow, so that the administration could manage accountability and identify and clear bottle necks.

Administration, admissions and attendance are now streamlined. The software permits greater intelligent contact between students and professors. Professors now attend to students more personally with their phones and tablets, uploading lectures and assignments materials from their convenience. Walkwel's solution stores all academic and research based information securely in the institution's wirelessly networked private cloud, instead of each personal device and the solution is scalable for performance.

Three parameters were kept in mind while analyzing the whole system and comparing it to the previous performance. The parameters analyzed were – consistency of work, communication and handling the submission (like registration, synopsis fees, research paper, etc.) related activities. The percentage increment in these parameters after usage of the solution provided by Walkwel is given in graphical format below. To get in sync with the mindset of the PhD students who used our online platform, we arranged a survey to get genuine feedback on how it has changed everyone's daily academic plans.



Graph 1: Analysis of increment in various parameters before and after implementing PHD online

The primary motive from our side was to highlight the significance of higher degree like PhD to improve the economic reality of educational activities. 98.87% of the students have articulated their interest in this course and conveyed their interest learning from real time examples. When questioned if their projects are now going on time, 96% of the PhD students praised this platform for helping them overcome the depraved habit of procrastination. The feedback system, where students can post their suggestions for improvement and professors can correct them anytime within the given due date, was also appreciated by the users. The last question is one that stresses the need for a smart solution to enable the completion of educational partnerships between universities and businesses in industry, agriculture, construction, transport, communications, and computer science.

Overall Progress by PhD Online	Parameter/Field	Ease in Submission
Improvement	Work Record	91.46%
	Research Analysis	
	Ease in Submission	
Unchanged	Research Driven Approach	08.42%
	Procrastination	
	Motivation	
Deterioration	Resistance to Change	00.02%
	Misperception in Digitized System	

Table 1. Online communication and teacher-student relationship

Enhanced service and its successful outcome have improved by the means of unbiased grading system and precise performance tracking system, lowering the institution's costs, and a smarter educational process.



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