

The ROI of HR Digital Transformation: Boosting Efficiency & Savings for SMEs with EMS

Sunil Chahal

ConceptsIT, Inc.

Abstract: *In the ever - evolving landscape of organizational excellence, the strategic deployment of HR or employee management systems has emerged as a key driver of operational efficiency and cost optimization. However, the challenge of digitally transforming HR functions is particularly acute for small and medium enterprises (SMEs). The soaring costs associated with comprehensive systems, where each feature comes at a premium ranging from \$5 to \$20 per login, have hindered many SMEs from embracing robust digital solutions. Drawing from a comprehensive case study of an "Employee Management System (EMS)," this paper addresses this conundrum: opting for a simpler management system. It unveils a transformative strategy that integrates basic modules such as admin, HR, and payroll, leading to enhanced operational agility, reduced expenditures, and heightened employee engagement. By focusing on the centralization of essential data, SMEs can navigate the digital transformation seamlessly. In this paradigm, data that traditionally languishes in emails and spreadsheets finds its nucleus in a singular, user - friendly platform. The ramifications of an EMS extend far beyond mere cost considerations. The system engenders a palpable shift in the employer - employee dynamic. With vital information ranging from 401K details to pay slips consolidated into a single repository, employees no longer engage in the futile search for scattered information. This convergence empowers better communication, nurtures robust relationships, and catalyzes time savings that drive operational efficiency. Additionally, the consolidated HR system eliminates the labyrinthine paperwork that accompanies a lot of employee tasks like holiday requests and overtime applications. The resultant optimization of processes translates into an unprecedented economy of man - hours, bolstering the SME's capacity to channel efforts toward core competencies. A final dimension of HR digital transformation is the strategic benefits of an in - house EMS. By crafting the system internally, SMEs ensure data security and privacy in an era fraught with cyber vulnerabilities. This assurance rests on the foundation that the organization's database remains within trusted boundaries and is immune to unauthorized access. The pursuit of technological advancement need not be a cost - prohibitive endeavor for SMEs. By pivoting towards a simpler yet potent EMS, SMEs can navigate the digital transformation with resilience, elevate their operational prowess, and craft a cost - effective future.*

Keywords: organizational excellence, HR, employee management systems, cost optimization, small and medium enterprises SMEs, digital transformation, centralization of data, employee engagement, operational efficiency, consolidated HR system, data security, in-house EMS, technological advancement

1. Introduction

Mind the Cost Gap of Digital Transformation for SMEs

The current dynamic business environment has companies seeking innovative approaches to streamline operations and enhance their competitive edge. For multinational and corporate behemoths, the avenue is clear: an overhaul of the HR function through sweeping digital transformation initiatives.

However, small and medium enterprises (SMEs) must tread a fine line between resource optimization and technological advancement. There is a clear gap. On one side stands the profound and strategic need to evolve. On the other hand, budgetary constraints render digital transformation economically prohibitive.

This white paper presents a real - world case study of a simple employee management system designed to bridge this gap. The central thesis posits that by developing a basic, in - house EMS, SMEs have the potential to achieve a remarkable decrease in costs and, concurrently, witness an unprecedented upswing in operational productivity.

The bedrock of the exploration is a management system tailored for SMEs using essential modules: admin & HR; payroll; reporting and employee. Each facet of the integrated system is meticulously designed to centralize data, optimize workflows, and fuel collaborations.

2. Background

The necessity for digital transformation in SMEs

The role of HR and the people team is more potent for SMEs as they drive efficiency. For that reason, digital transformations find fertile ground in HR functions, bringing tangible benefits such as operational streamlining, cost savings, and workforce productivity. They also shape the broader fabric of employee engagement and organizational success.

2.1 Process Optimization and Automation

In the modern workplace, a significant portion of the workweek within the HR domain is engulfed by administrative and operational tasks. Whether the HR team is grappling with holiday requests, managing paperwork, or reviewing outcomes, a perpetual stream of tasks clamors for attention.

McKinsey's in - depth research casts light on this predicament, revealing that the average HR team devotes a substantial 60% of their time and resources to transactional processes. Even the most exceptional people's departments manage to trim this down to 40%, which is still a formidable challenge.

The volume of personnel matters might be less pronounced within small and medium enterprises. Yet, when considering the myriad of issues, spanning from hiring to exit interviews,

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the relative proportion of administrative work remains unchanged.

The ramifications of this are profound. Employees bogged down in operational intricacies are diverted from strategic pursuits such as talent acquisition and fostering cohesive work relationships. With that as the backdrop, the need for automating operational tasks becomes palpable.

The first thing HR should do is figure out how to reduce administration. Put it in a box and automate the heck out of it.

- PwC [i]

However, the need is not limited to mere automation. Process optimization is equally necessary. Research shows that employees have a distinct preference for simpler processes. This makes digital transformation a formidable ally for SMEs. It can become the fulcrum for both automation and optimization, liberating employees from the quagmire of administrative tasks like time tracking and payroll.

Automating does not necessitate expensive systems. It can be as simple as developing an EMS with a self-serve employee module that empowers them to swiftly access vital information like available vacation days or digital pay slips.

While a minor stride in digital transformation, it holds profound implications, granting employees direct access and simultaneously freeing the HR team from responding to routine queries.

The advantages of process automation and optimization echo far beyond operational efficiency. It unfetters the HR team from minutiae, allowing them to raise service levels and focus on strategic initiatives such as identifying talent gaps and developing leaders.

2.2 Unifying Data in a Centralized System

A cornerstone of the digital transformation of a people's team is a deliberate shift from disjointed data and processes to a consolidated portal—a single epicenter for HR-related queries.

The portal becomes a potent tool for employees to search for information pertinent to them while simultaneously furnishing HR teams with an automated command center that replaces the juggling act of emails, documents, and messaging platforms to track time and attendance or benefits administration and monitor incoming queries.

A prevailing preference is evident—50% [ii] of employees favor digitized HR tasks like updating personal data, scheduling work shifts, or managing time off.

The portal serves as more than a mere repository of information; it empowers employees by granting autonomy. This self-sufficiency not only amplifies employee satisfaction but also unshackles the HR team from mundane inquiries, creating capacity and affording them the bandwidth to concentrate on strategic initiatives.

People's teams routinely dedicate a staggering 80% [iii] of their day grappling with an avalanche of questions, spanning from routine inquiries to intricate 401 (k) concerns. Such a relentless demand necessitates a digital overhaul.

2.3 The Roadblocks to Digital Adoption

The path to HR digital transformation for SMEs is paved with challenges, and a key contender is cost. An eye-watering 66% [iv] of HR leaders concur that enabling robust HR systems requires a financial commitment. The price tags are telling: attendance and time-tracking software can range between \$3.50 and \$7 per employee per month, while employee scheduling software escalates to \$20 to \$40 per month.

Follow this line of thought, and it becomes clear that small and medium enterprises demand a more streamlined employee management system—one that does not burden their budgets. Embracing the automation of rudimentary functions and low-level tasks through basic modules like admin, HR, and payroll is a pragmatic choice. It is cost-effective, enhances operational agility, and heightens employee efficiency and engagement.

Poor user experience is another formidable barrier to digital adoption. Employees hesitate to engage with intricate systems that fail to alleviate their workloads. PwC's research [v] is telling: while 90% of C-suite executives acknowledge addressing user needs during technology implementation, only 53% of employees echo this sentiment.

Technology that lacks user-centric design is a colossal deterrent—visually unappealing and labyrinthine interfaces frustrate users, culminating in incomplete actions.

The remedy is simple: implement employee management systems that mirror the intuitive ease of social media apps. The system must navigate users toward their objectives with minimal clicks, facilitating seamless actions.

2.4 Case Study: EMS Implemented in an it SME Boost Efficiency and Save Costs

The journey of Texperts Inc., a prominent SME player in IT consulting and staffing, stands as a testament to the transformative power of digital innovation. With a steadfast commitment to harmonizing HR functions, Texperts Inc. implemented an employee management system tailored to its unique needs.

Keeping employee experience at heart, the EMS redesigned and streamlined processes for HR transformation. The primary goal was to get more visibility across an array of functions: applicant tracking, timesheets, project management for consultants, and timely invoicing.

The case study sheds light on how the integration of distinct modules led to improved employee data management, enhanced payroll processes, and increased employee engagement.

2.5 Company Background and Challenges

Texperts Inc. is a thriving SME known for its pioneering endeavors in IT consulting and staffing. Headquartered in Chantilly, Virginia, Texperts Inc.'s annual revenue of \$7 million underscores its stature within the industry. It boasts a sizable workforce of 60+, making the efficient management of its human capital a critical component of its success.

However, the journey to success was not without its share of challenges.

Prior to the implementation of the employee management system, Texperts Inc. grappled with operational challenges that impeded its full potential. Ranging from attendance tracking to payroll management, these administrative tasks were completely manual and had gradually grown unwieldy. Notably absent was a clear view of the lifecycle of a candidate's project or time sheets.

The lack of a centralized system hampered data accessibility and reporting, leading to redundancies and inefficiencies. As their employee roster continued to expand, the need for automated HR functions and streamlined processes became more pronounced.

2.6 Implementing a Cost - Effective Employee Management System

In response to the evolving challenges faced by Texperts Inc. in effectively managing its workforce and operational processes, a strategic decision was made to implement a simple employee management system. The EMS comprised 3 distinct and interlinked modules, each tailored to address specific pain points:

- Recruitment
- Onboarding (paperwork, I9, insurance, and tax documents)
- Payroll (timesheets, payments, and expenses)

The implementation of the EMS, spanning 8 months, involved rigorous planning, requirement gathering, and systematic data collection on employee profiles, attendance, leaves, CPF/EPF, and payroll. This was followed by system development, testing, and training. The project took a phased approach, beginning with recruitment and ending with the integration of HR and sales functions.



Figure 1: EMS Log – in

2.6.1 Admin & HR Module: Empowering Administrative Control

The module equipped administrators with comprehensive control over the application. With the ability to seamlessly add, delete, edit, and view all employee details, it elevated the accessibility of personnel data. Its key functionalities were creating employee pay slips, simplifying leave management, and reducing manual intervention.

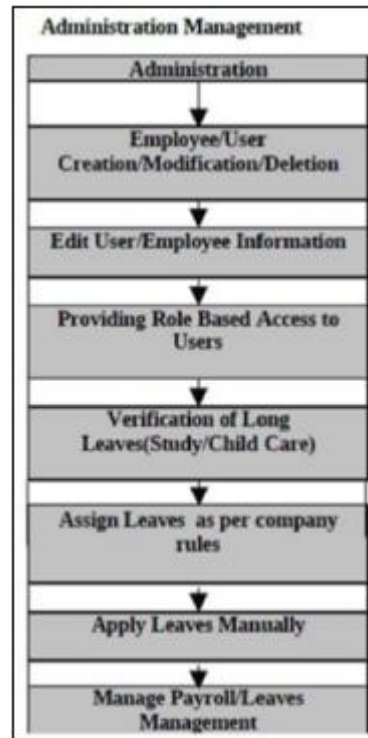


Figure 2: Admin Module Flow

Additionally, administrators harnessed the power of this module to manage data pertinent to organizations and businesses, while its reporting capabilities facilitated informed decision - making based on a variety of criteria.

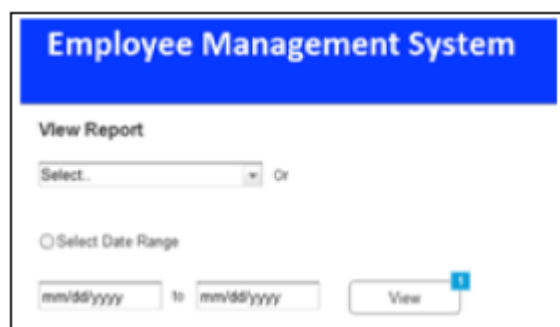


Figure 3: HR Module: Reports

Contractor Weekly Report
Weekending: mm/dd/yyyy
<i>Weekly Activities- Description of Major Tasks Accomplished</i>
Job Description: Graphics
Weekly Total Hours: 40
Current Status: Scheduled deliverables are in compliance with the contract promises
Activities Since last report: Project website is operating and is updated frequently
Issues/Resolution activity: Minor logistical issues were addressed as they arose during the focus session

Figure 4: HR Module: Reports

2.6.2 Payroll Management: Integration and Efficiency

This module acted as a bridge between employee and HR functions. Through this integration, HR personnel gained the ability to create and validate pay slips for all employees, enhancing the accuracy and efficiency of payroll processes. By automating key components of payroll management, the module contributed to reducing manual errors and optimizing financial processes.

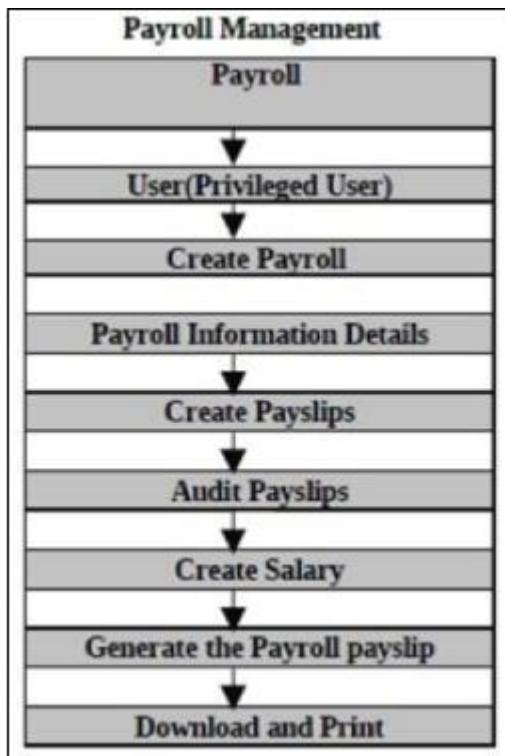


Figure 5: Payroll Module Flow

Employee Module: Enabling Employee Engagement

Designed with a user - centric approach, it places significant emphasis on enhancing employee engagement and experience. Valid login credentials granted employees access to the application, where they could conveniently explore various aspects of their professional journey.

From accessing vacancy details to reviewing pay slips, schedules, and training materials, employees had a centralized hub to access critical information. This self - service functionality not only improved employee satisfaction but also freed up HR resources that were previously dedicated to addressing routine inquiries.

1.8.1. User Interface



Figure 1: Employee Module Interface

Realized Benefits of the EMS

The consolidation of data, automation of key tasks, and provision of self - service capabilities through the EMS modules marked a significant departure from manual and time - consuming processes. As a result, Texperts Inc. experienced a notable reduction in man - hours spent on routine and critical tasks, enhanced administrative control, and elevated overall operational efficiency, enabling HR personnel to focus on strategic initiatives.

- 1) **Operational Efficiency:** Automation of administrative tasks reduced manual effort, improving accuracy and speed in employee data management, attendance recording, and leave tracking.
 - a) Recruitment and onboarding saved 3 to 4 hours per candidate per week.
 - b) With timesheets consolidated in a single portal, the accounts team shaved off 2 to 3 hours per candidate per month.
 - c) The accrued time savings bore a direct correlation to better quality and punctuality of work.
- 2) **Cost Savings:** Streamlined processes led to reduced administrative workload, contributing to cost savings associated with labor hours and manual errors. Further, consultant satisfaction witnessed a remarkable uptick, resulting in a surge of referrals, which cascaded into tangible revenue growth.
- 3) **Employee Engagement:** Self - service features reduced HR intervention and empowered employees to manage their profiles, leave requests, and timesheets, enhancing engagement.

Beyond Creation of Capacity & Efficiency

Even a rudimentary EMS harbors the potential to optimize operational processes. The integration of any digital tool, irrespective of its scale, leads to reduced administrative burden and improved employee satisfaction. It puts more focus on business issues than functional problems.

For instance, a self - serve, centralized system lends employees autonomy to swiftly search for, and access

information tailored to their individual needs. Simultaneously, it grants the HR team the latitude to engage with employees on a more personal level, enriching the overall workplace experience.

However, the advantages of HR digital transformation extend beyond efficiency and cost savings. Following the digitization of processes, organizations can find themselves empowered to shift their focus towards the collection and analysis of data, uncovering insights and opportunities that align with broader business objectives. In a nutshell, restructuring, standardizing, and digitizing HR functions can support business for SMEs and maximize growth.

3. Conclusion

In the fast - paced world of business, where change is the only constant, small and medium enterprises (SMEs) find themselves at a crossroads. They must adapt, evolve, and harness the power of digital transformation to remain competitive and thrive. HR digital transformation emerges as a pragmatic solution for SMEs.

The development and implementation of a rudimentary yet potent EMS tailored to the unique needs of the SME can achieve a remarkable decrease in costs and a concurrent upswing in efficiency.

The benefits of this transformative strategy are multifaceted. Firstly, it automates and optimizes administrative and operational tasks, liberating HR teams and employees from the quagmire of paperwork and routine queries. This newfound efficiency not only translates into cost savings but also empowers the HR team to focus on strategic initiatives, such as better talent acquisition and fostering cohesive work relationships.

Secondly, the consolidation of data in a centralized system grants employees' autonomy. This self - sufficiency not only

amplifies employee satisfaction but also unshackles the HR team from mundane inquiries, creating capacity and affording them the bandwidth to concentrate on strategic initiatives.

Furthermore, the cost - effective nature of such a system addresses one of the primary roadblocks to HR transformation in SMEs. By embracing the automation of rudimentary functions and low - level tasks through basic modules like recruitment, on boarding, and payroll, SMEs can embark on their digital transformation journey without breaking the bank.

Additionally, the user - centric design of the EMS ensures that employees readily engage with the system, as it mirrors the intuitive ease of social media apps. This reduces resistance to change and fosters quicker adoption.

The case study of Texperts Inc. serves as a compelling real - world example of the transformative power of this approach. Through the implementation of an EMS, the company witnessed a tangible decrease in costs and a concurrent upswing in operational productivity.

The realized benefits were not limited to operational efficiency and cost savings but extended to the creation of capacity, improved employee satisfaction, and the ability to focus on strategic business issues.

In conclusion, the pursuit of HR digital transformation need not be a daunting or prohibitively expensive endeavor for SMEs. By pivoting towards a simpler EMS, SMEs can navigate the digital transformation with resilience, elevate their operational prowess, and craft a future that is cost - effective, efficient, and focused on growth.

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