



## Revolutionizing HR in Business Management Through Transformative Power of Design Thinking

**Romita R Swarup**

Research Scholar, Interdisciplinary, GLS University, School of Doctoral Research and Innovation, Ahmedabad, Gujarat, India.

Email - romita@xdsindia.com

**Abstract:** *The integration of Design Thinking principles into Human Resources (HR) practices has emerged as a transformative force in contemporary business-management. This abstract explores the impact of Design Thinking on HR, illustrating how this innovative approach is revolutionizing the way organizations manage, & grow. Design Thinking, characterized by understanding, observation, empathy, ideation, prototyping, testing, offers a fresh perspective on addressing complex HR challenges. Its application begins with the Understanding of the Organization & the landscape in which it operates, leading to Observation of HR practices, Technology, Human Preferences. In Empathize, HR professionals delve themselves in holistic stakeholders needs & views, employees'-experiences. This sets the stage for a more human-centered approach. Define stage precisely articulates the challenges faced, be it talent acquisition & development, workplace-culture enhancement, four generations working under the same roof, digital-transformation etc. By framing these challenges from multiple viewpoints, HR aligns its strategies more effectively with broader organizational goals. Ideation generates innovative solutions both radical as well as incremental, fostering a culture of collaboration, leading to development of fresh HR initiatives. Prototype & Test involve creation of HR initiatives in a low-risk environment. This approach enables HR teams to iterate with different strategies along with feedback from multiple stakeholders both internal i.e., employees & external. This abstract presents real-world examples of organizations that have applied Design Thinking to HR, demonstrating how Design Thinking can turn HR into a key strategic center in achieving business objectives –employees being star-performers, creating products & services easing the HRMS (Human resource Management System), enhancing efficiency & effectiveness of workforce, developing a comprehensive employee value-proposition, creating more engaging, adaptive & innovative work-culture, reducing job dissatisfaction, attrition, integrating emerging-technologies to HR best practices, globalization, hyper-personalization and many more. The integration of Design Thinking into HR practices represents a paradigm shift in business-management.*

**Key Words:** *Design Thinking, Human Resource (HR), Holistic, Employee, Emerging Technology, Work Culture.*



## 1. INTRODUCTION:

The integration of Design Thinking principles into Human Resources (HR) practices has emerged as a transformative force in contemporary business-management. This paper explores the impact of Design Thinking on HR, illustrating how this innovative approach is revolutionizing the way organizations manage, & grow. Design Thinking, characterized by understanding, observation, empathy, ideation, prototyping, testing, offers a fresh perspective on addressing complex HR challenges. This paper presents real-world examples of organizations that have applied Design Thinking to HR.

## 2. LITERATURE REVIEW:

**Definition of HR:** The existing definitions of HRD mainly described its practice empirically, lacking conceptualization. They were based on HRD phenomena from the Western world, unable to account for non-western contexts. To address these gaps, a new definition was proposed, emphasizing HRD's core attributes as being dependent on its host system, with shaping and skilling mechanisms as key features <sup>[1]</sup>.

**Definition of HRMS:** In a recent study, Sanchez et al. (1996) introduced the concept of knowledge as the capacity to effectively utilize resources and skills in a manner that facilitates the fulfillment of a company's objectives. These resources, termed "Knowledge Treasures," necessitate a well-defined knowledge map that outlines the process of locating, identifying, and leveraging valuable insights within the organization. According to Stewart (1997), knowledge, or "intellectual capital," manifests in three distinct forms: human capital, structural capital, and customer capital <sup>[2]</sup>.

### Challenges faced by organizations in HR

In the current phase of development, the dynamics of the environment, including globalization, political shifts, social transformations, economic fluctuations, and technological advancements, have significantly impacted the operational landscape of organizations. These environmental changes present a formidable challenge for organizations, constraining their capacity to compete effectively with larger counterparts. According to Snell and Lau (1994), it was identified that the growth of small organizations demands a greater range of management competencies compared to their larger counterparts. Consequently, organizations often struggle to foster skill development, knowledge enhancement, and competencies among their workforce due to financial constraints and inadequate training provisions. Gupta and Cawthon (1996) further emphasized the critical need for comprehensive training, particularly among managers in small organizations. Therefore, training emerges as an indispensable instrument for fostering employee development and promoting organizational growth <sup>[3]</sup>.

### A Suggestive List of the challenges faced by HR



Talent Acquisition	Talent Development	Talent Engagement	Talent Retention	Policy	Culture	Organisational Design & Futuristics
<ul style="list-style-type: none"> <li>Attracting Talent to the organization</li> <li>Alignment with the Vision, Mission and values</li> <li>Availability of Right skill set in the Market</li> <li>Fresh Talent - Industry ready?</li> </ul>	<ul style="list-style-type: none"> <li>Mindset of young talent. Need to empathise with their changing values</li> <li>Training for Knowledge – Now &amp; Future</li> <li>Training in New Tools and Techniques</li> </ul>	<ul style="list-style-type: none"> <li>Fostering a culture of continuous Learning</li> <li>GenX wants fast and frequent Feedback</li> <li>Want to work in Tech Saavy organization and futuristic Technology</li> <li>Workforce Engagement</li> <li>Managing and fostering Innovation</li> <li>Keeping employees motivated in Crisis</li> <li>Meeting the ever changing Employee expectations</li> </ul>	<ul style="list-style-type: none"> <li>Retaining quality talent</li> <li>Work- life balance perspective of new generation</li> <li>Employee Wellbeing and mental Health</li> </ul>	<ul style="list-style-type: none"> <li>4 different generations working under the same roof? How do we create HR Policies?</li> <li>Expectations of Rewards &amp; Recognitions</li> <li>Work force diversity</li> <li>Gender sensitivity</li> <li>Competitive Compensation</li> <li>Compliance of ever changing regulations</li> </ul>	<ul style="list-style-type: none"> <li>Culture of Excellence</li> <li>Culture of Transparency, Trust and openness</li> <li>Embracing Change</li> <li>Working in Cross functional teams</li> <li>Mentoring and Coaching</li> <li>Managing Remote working</li> <li>Communication in Remote Working</li> <li>Working in Multi-disciplinary teams</li> </ul>	<ul style="list-style-type: none"> <li>Organisational Design</li> <li>Developing Leadership pipeline</li> <li>Entrepreneurship and Start-up culture</li> <li>Managing Performance</li> <li>HR needs to transform as Organisational Design Architect</li> <li>HR Benchmarking with Global Practices</li> </ul>

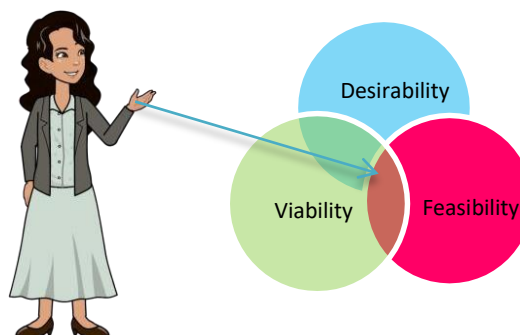
**Figure 5 HR Challenges a suggestive List**

Design thinking is a human-centered approach to innovation involving a structured process comprising empathizing with users to understand their needs, defining the core problem, ideating to generate diverse solutions, prototyping to visualize and test ideas, testing to gather feedback, and implementing the final solution. This iterative process emphasizes creativity, collaboration, and a focus on the end-user, allowing for the development of innovative and effective solutions to complex problems [4].



**Figure 6 Paradigm Shift [5]**

"Design Thinking is a practice that comes to success when the needs of people (desirability) are achievable with technology (feasibility) and what a (viable) business strategy can translate into -> generating customer value and market potential." [6]



**Figure 7 Design Thinking happens at the intersection of the three**



## 2.1 Design Thinking Process

Design thinking is a problem-solving approach that prioritizes empathy for the end-user, encouraging a deep understanding of their needs and experiences. It typically involves a cyclical process of stages, including empathizing with users, defining the core problem, ideating to generate multiple solutions, prototyping to visualize ideas, testing to gather feedback, and implementing the final solution. This iterative and human-centered process fosters creativity, collaboration, and innovation, allowing for the development of effective and user-focused solutions to complex challenges.



**Figure 8 Design Thinking Process** [7]

- Understanding: Understanding of HR practices, Technology, Human Preferences, and trends.
- Observation: 360-degree observation is done i.e., the physical workspace, individuals, and the activities they are engaged in.
- Empathy: Empathizing with stakeholders needs & challenges. This phase cultivates in-depth comprehension of the issues at hand and the stakeholders impacted by them.
- Problem Definition: Process of articulating clear, precise & comprehensive problem/possibility statement from a holistic perspective.
- Ideation: Is a systematic procedure of generating plethora of ideas. A wide spectrum of ideas are contemplated, both radical and incremental, finally selecting the top ideas.
- Prototyping: This is the development of a model/concept of the proposed idea. In order to bring ideas to the real world for the real people. Leading solution and action plans.
- Testing: The iterative process of Design Thinking is consistently applied until solution is accepted by the stakeholders through rapid prototyping and testing the viability of the solution.

## 3. Research Objectives / Aims:

In the contemporary business landscape, the role of employees as star-performers has become pivotal in driving innovation and ensuring the seamless operation of Human Resource Management Systems (HRMS). This trend is fostering the development of cutting-edge products and services that not only streamline HR processes but also significantly enhance the efficiency and effectiveness of the workforce. Moreover, in response to the evolving demands of the workforce, organizations are increasingly focusing on crafting a comprehensive employee value proposition, aiming to cultivate an engaging, adaptive, and innovative work culture that mitigates job dissatisfaction and reduces attrition rates. This paradigm shift within HR is further amplified by the integration of emerging technologies into best HR practices, thereby enabling businesses to stay ahead in the dynamic landscape of globalization and adapt to the growing demand for hyper-personalization in the workplace.

Following are the Research objectives:

- Employees being star-performers, creating products & services easing the HRMS, enhancing efficiency & effectiveness of workforce



- Developing a comprehensive employee value-proposition, creating more engaging, adaptive & innovative work-culture, reducing job dissatisfaction, attrition
- Integrating emerging-technologies to HR best practices
- Globalization
- Hyper-personalization

### 3.1 Design Thinking in HR

In the realm of Human Resources (HR), the application of design thinking has emerged as a transformative approach, revolutionizing traditional HR practices. By placing a strong emphasis on understanding and addressing the needs of employees, design thinking in HR has paved the way for the development of innovative solutions, fostering a more engaging and people-centric work environment. This human-centered methodology not only drives organizational success but also nurtures a culture of continuous improvement, ensuring that HR strategies align seamlessly with the evolving demands of the workforce.

- Design Thinking can be applied to any specific domain as it is a process to solve complex problems.
- Design Thinking can bring in among both internal (employees) & external, organization can create more integrated & holistic approach to employee engagement, development, and satisfaction.
- Cultural transformation in HR fosters a mindset of continuous improvement and adaptability that can be brought in, as Design Thinking is Human centric.
- Understanding of the Organization & the landscape in which it operates, HR practices, Technology, Human Preferences.
- In Empathize, HR professionals delve themselves in stakeholders needs & views, employees', customers –experiences developing cross-functional collaboration & openness
- Define stage precisely articulates the challenges faced, be it talent acquisition & development, workplace-culture enhancement, four generations working under the same roof, digital-transformation etc. HR aligns its strategies more effectively with broader organizational goals.
- Ideation generates innovative solutions, leading to development of fresh HR initiatives. Creative ways of thinking, - lateral or divergent, - Incremental or radical
- Prototype & Test involve creation of HR initiatives in a low-risk environment. This approach enables HR teams to iterate with different strategies turning, turning HR into a key strategic center in achieving business objectives

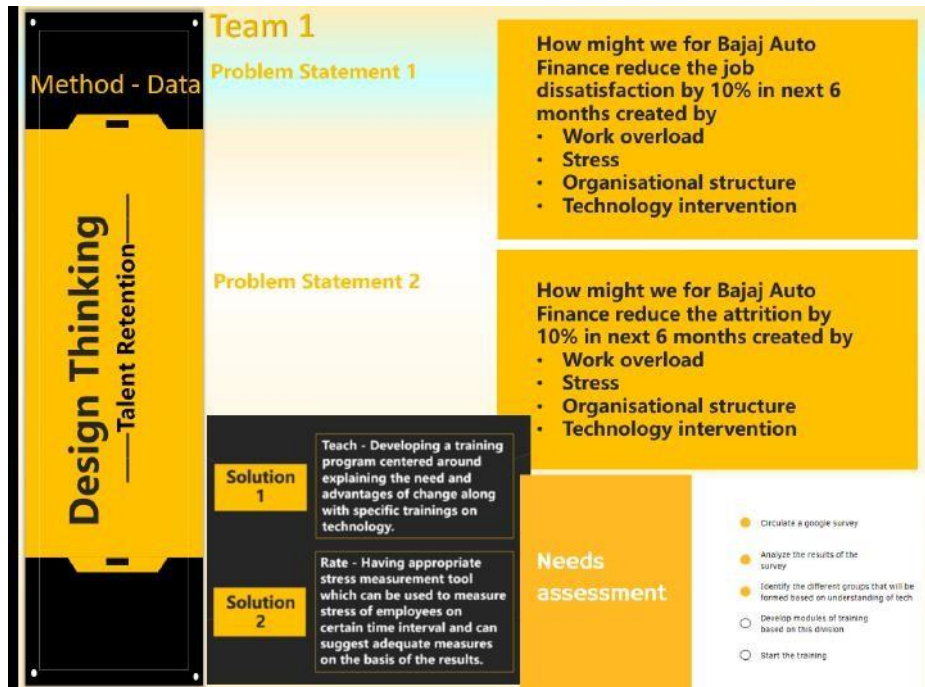
### 4. Research Method:

**Research Design:** The research methodology adopted constituted a fusion of qualitative and quantitative research design. A select cohort of students, immersed in the realm of Design Thinking, underwent both collective and individual questioning sessions. Progressing through each phase, the students were interviewed to elucidate their evolving comprehension of the organizational paradigm. During the observational phase, the students were tasked with constructing SPA canvases, extracting insightful observations from their field experiences. In the empathy phase, personas and journey maps were crafted, supplemented by in-depth interviews employing the 5W+1H technique and laddering methodology, uncovering latent perspectives. Articulating problems with precision, the students harnessed various tools to generate viable solutions, culminating in the prototyping stage. Rigorous testing with

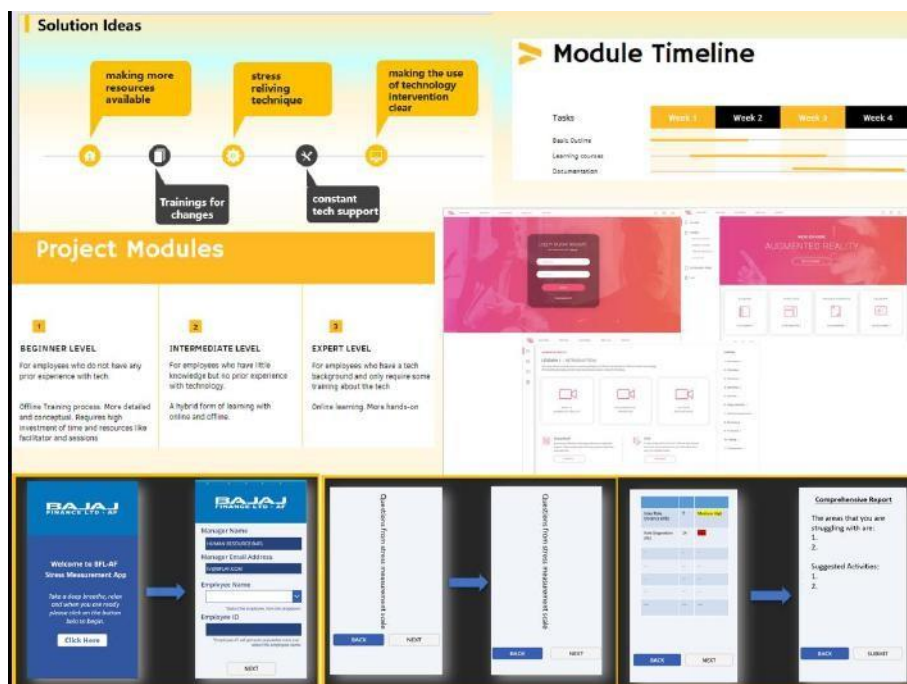


stakeholders ensued, ultimately yielding a comprehensive solution and a strategic action plan, all within the context of specific HR challenges within the chosen organization.

The teams came up with the following solutions:



**Figure 9 Team one's Problem, Solution representation on the core issue of Talent retention**



**Figure 10 Team one's Prototypes and Solutions to the HR challenge**

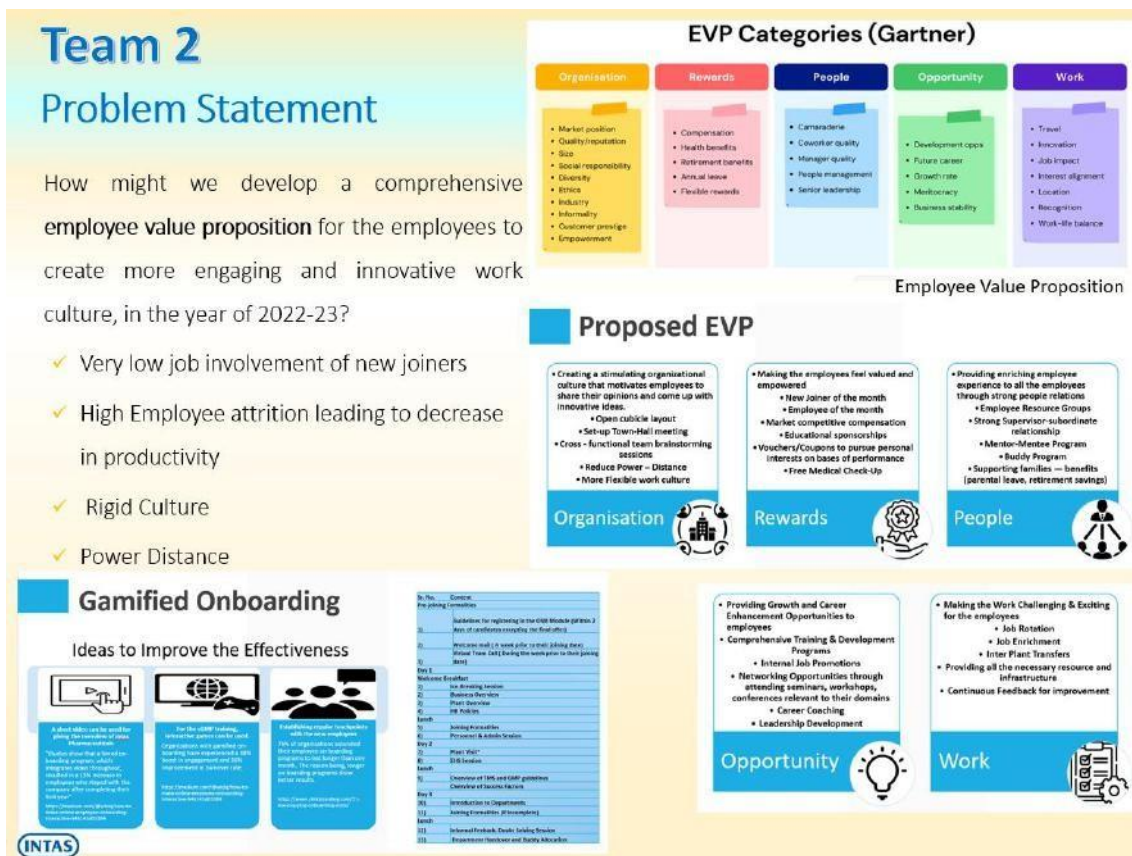


Figure 11 Team two's Problem Statement, and the proposed EVP

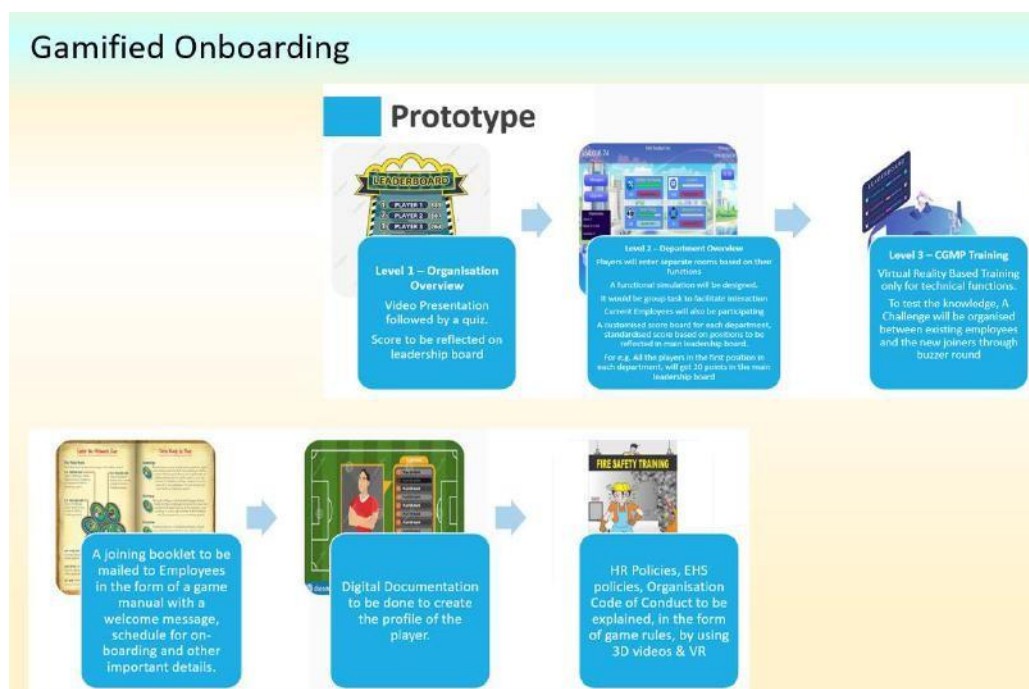


Figure 12 Team Two's prototype as a Gamified Onboarding for HR



**Other teams worked on the following:**

Performance enhancement of work force (client centric workforce) by 10%

**Solution:** Collaboration

Where one team talked with the client work team -> and co ordinated with the development team. They brought internal teams together.

Four generations working under the same roof

Where the mental models were studied of various generations related to professional work, environment, team work, suggestions of clarity on expectations, transparency among all generations. E.g., younger generations referred PB work, while other wanted KRA based work

**Solution:** They brought about transparency and awareness among all

**ACTION PLAN**

<p><b>Activities calendar</b></p> <ol style="list-style-type: none"> <li>1. Primary and secondary research on the products' market performance.</li> <li>2. Competitors' analysis of similar products with better results.</li> <li>3. Conduct research to find new and active uses of the product</li> <li>4. Small trials like activities with consumers to introduce the new use.</li> <li>5. Push the complimentary product along with a popular brand of the company.</li> <li>6. Promote the use of both products as standalone as well as complimentary products.</li> </ol>	<p><b>Required Resources</b></p> <ol style="list-style-type: none"> <li>1. Adequate manpower for extensive research.</li> <li>2. Professional analysts and forecasters to analyse the right components of the research.</li> <li>3. Funds to conduct, sort and analyse the primary and secondary research.</li> <li>4. Emphasis on R&amp;D team to find new and exciting uses for the product.</li> <li>5. A robust marketing campaign to drive the change.</li> </ol>
<p><b>Cost</b></p> <ol style="list-style-type: none"> <li>1. Funds for conducting primary research.</li> <li>2. Backup funds to handle the cost of the complementary product.</li> <li>3. A 10% increase in the marketing budget to achieve results.</li> <li>4. Hire influencers and actors to promote the brand.</li> <li>5. Funds for absorbing the losses if the campaign fails.</li> </ol>	<p><b>Expected results</b></p> <ol style="list-style-type: none"> <li>1. A rise in the consumer need for the main product.</li> <li>2. Consumer awareness about unconventional uses of the primary product.</li> <li>3. Accumulating a consumer base for the complimentary product.</li> <li>4. A significant increase in the company's revenue steadily over the next few years.</li> <li>5. Creation of consumer need that can be fulfilled by the company.</li> </ol>

**Figure 13 Action Plan presented by one of the teams**

**Sample Size:** Comprising five groups, each consisting of 4 to 5 students, the study encompassed a total of 23 Business Management HRM students. The selection process involved choosing students currently enrolled in the Design Thinking course as part of their academic curriculum.

**Data Collection:** Data acquisition relied on Google Forms questionnaires and in-depth, one-on-one interactions utilizing.





- How design thinking can be applied to Human Resources (HR) to generate employee happiness?
- Who benefits the most from the implementation of design thinking in HR processes, and how does it impact their engagement and satisfaction?
- What specific HR challenges are the internal and external stakeholders face?
- How can promote a culture of innovation and adaptability within the workforce?
- Where within the HR framework can design thinking be integrated, and how does it foster a more collaborative and user-centric approach to problem-solving?
- Why is the incorporation of design thinking crucial for HR in the context of fostering employee development, organizational culture, and strategic alignment with business objectives?
- How can design thinking facilitate the creation of a more personalized and adaptive HR strategy, and what tools and techniques can be employed to enhance employee engagement and retention?
- Who are the key stakeholders involved in the design thinking process within HR, and how can their active participation contribute to the development of more employee-centric initiatives?
- What are the potential challenges that organizations might face when implementing design thinking in HR, and how can these obstacles be effectively addressed to ensure successful integration?
- When assessing the impact of design thinking in HR, what key performance indicators can be used to measure the effectiveness of innovative HR strategies and initiatives?
- Where can HR professionals acquire the necessary skills and training to effectively apply design thinking principles, and how can this knowledge be disseminated across the organization to promote a culture of innovation?
- Why is it essential for HR departments to foster a culture of continuous improvement and experimentation, and how does design thinking support this ethos within the organization?
- How can the principles of design thinking be used to promote diversity, equity, and inclusion within HR practices, and what strategies can be implemented to ensure a more inclusive and equitable work environment?
- What specific strategies can HR departments employ to encourage cross-functional collaboration and interdisciplinary approaches using the principles of design thinking, and how can this enhance overall organizational creativity and problem-solving capabilities?
- How does the integration of design thinking methodologies in HR enable organizations to adapt to the changing needs and expectations of a diverse workforce, and what role does empathy play in fostering a more inclusive and employee-centric workplace culture?

**Data Analysis:** Validation of student responses was conducted by a panel of HR industry experts and college faculty, who also served as jurors. Further validation was achieved through the alignment of student learnings with program objectives.

**Ethical Considerations:** Preserving the anonymity of employees and ensuring confidentiality of organization names were paramount ethical considerations. A formal letter from the institution was provided to the organizations, emphasizing the academic nature of the study.



**Conclusion and Rationalization:** Opting for a qualitative research approach proved advantageous, given the human-centric nature of Design Thinking, necessitating consideration of human preferences, perspectives, emotions, and non-verbal cues, all of which were integral in deriving meaningful conclusions.

## 5. Discussion and Analysis:

In today's dynamic world, the success of any organization is intricately tied to the innovative contributions and exceptional capabilities of its workforce. It is with this understanding that we embark on a journey to explore the critical intersections between employee performance, HRMS innovation, and the ever-evolving demands of the contemporary workplace. The contemporary business landscape has undergone a transformative shift, wherein the significance of employees as star-performers has become paramount. Their contributions not only drive innovation but also play a fundamental role in the seamless operation of HRMS. As organizations strive for excellence, they are actively leveraging the potential of their workforce to develop cutting-edge products and services that not only streamline HR processes but also significantly enhance the overall efficiency and effectiveness of the workforce. Recognizing the importance of cultivating a thriving work environment, organizations are increasingly focused on crafting a comprehensive employee value proposition. By fostering an engaging, adaptive, and innovative work culture, they aim to mitigate job dissatisfaction and reduce attrition rates. This approach not only fosters a sense of belonging and purpose among employees but also contributes to the overall success and sustainability of the organization. Moreover, the integration of emerging technologies into HR best practices has further catalyzed this paradigm shift within the HR landscape. By embracing digital advancements and leveraging data-driven insights, businesses can proactively stay ahead in the global market and adapt to the growing demand for hyper-personalization in the workplace. This strategic integration enables organizations to optimize their HRMS, enhancing operational efficiency and fostering a more dynamic and responsive work environment.

The findings obtained from the comprehensive interviews with the students and their subsequent group presentations showcase the transformative effects of incorporating design thinking in their project. The identified outcomes not only underscore the multifaceted benefits of design thinking but also highlight its significance in fostering holistic skill development and teamwork. Let's delve into a detailed discussion and analysis of these key findings.

- **Improved Creativity and Innovative Ideation:** The students' enhanced creativity and ability to generate innovative ideas are indicative of the profound impact of design thinking on their cognitive processes. By fostering an environment that encourages unconventional thinking and ideation, design thinking has demonstrated its potential in nurturing a culture of creative exploration and problem-solving among the students.
- **Strengthened Team Dynamics and Collaboration:** The strengthened teamwork skills observed among the students reflect the collaborative nature of the design thinking process. By emphasizing the value of diverse perspectives and effective communication, design thinking has facilitated an environment where each team member's unique strengths are harnessed to achieve common project objectives, thereby maximizing overall team potential.
- **Structured Approach to Project Development:** The implementation of structure and organization in project development signifies the transformative impact of design thinking in instilling a systematic approach to problem-solving. By integrating a structured



framework, the students were able to streamline their processes, ensuring effective project management and efficient utilization of available resources.

- **Human-Centric Problem-Solving and Empathy:** The students' adoption of a human-centric approach underscores the empathetic aspect of design thinking. This approach has enabled them to develop solutions that are not only innovative but also deeply rooted in understanding the needs and experiences of the end-users, reflecting a comprehensive understanding of user requirements and challenges.
- **Cognitive Flexibility and Effective Problem-Solving:** The development of cognitive flexibility, problem identification, and creative problem-solving abilities among the students underscores the cognitive benefits associated with the application of design thinking methodologies. By encouraging adaptive thinking and problem identification, design thinking equips students with the necessary cognitive tools to address complex challenges and develop effective solutions.
- **Cohesive Team Functioning and Effective Communication:** The students' capacity to function cohesively and effectively as a team highlights the collaborative and synergistic nature of the design thinking process. By fostering effective communication and shared responsibility, design thinking has promoted an environment where team members can leverage their collective strengths to achieve successful project outcomes.
- **Importance of Active Listening and Diverse Perspectives:** The recognition of the significance of active listening, observation, and embracing diverse perspectives reflects the pivotal role of empathy and inclusivity in the design thinking process. By encouraging students to actively listen to diverse viewpoints and embrace varied perspectives, design thinking has fostered a more comprehensive understanding of organizational challenges, thus laying the foundation for effective problem-solving and solution development.
- **Encouraging Unconventional Thinking:** The application of unconventional thinking to generate unique and effective solutions highlights the transformative impact of design thinking on the students' cognitive processes. By challenging traditional problem-solving approaches, design thinking has encouraged students to explore unconventional avenues, fostering a culture of innovation and creative risk-taking.

## 6. Results / Findings:

The following results were derived after a detailed conversation with the students, and after the group presentations they gave to summaries their reflections on the project that used design thinking.

They gained the following

- Improved creativity and the ability to generate innovative ideas.
- Strengthened teamwork skills, facilitating the maximization of each team member's potential.
- Implemented structure and organization in project development and execution.
- Instilled a human-centric approach to problem-solving and project development.
- Enhanced cognitive flexibility, problem identification, and creative problem-solving abilities.
- Developed the capacity to function cohesively and effectively as a team.
- Recognized the significance of active listening, observation, and embracing diverse perspectives for a comprehensive understanding of organizational challenges.
- Applied unconventional thinking to generate unique and effective solutions.



- Acquired skills in effectively presenting project proposals to stakeholders, articulating the core problem and the proposed solution.
- Recognized the broad applicability of design thinking as a problem-solving tool in various aspects of life, including professional settings, academic environments, and everyday situations, emphasizing its promotion of divergent and lateral thinking skills.

## 7. CONCLUSION:

Design Thinking being a human centered approach works well with HR, it can bring about transformation by addressing complex HR challenges. HR processes can be streamlined, organizations can gain a deeper understanding of their employees' needs and expectations in context of changing times. This can lead to the development of innovative strategies for onboarding that go beyond traditional recruitment methods. It can facilitate the creation of tailored training programs that align with employees' career aspirations and skill development requirements – life long learning. Promote the development of employee-centric policies and initiatives that foster a positive work culture and improve employee satisfaction and engagement. Solutions using emerging tech like gamification, advanced technologies, App based solutions, real-time data analysis and AI-driven algorithms to dynamically adjust content or recommendations, enhances user engagement, satisfaction, & overall experience. Efficient & effective HR management system also enhances overall organizational performance and employee well-being. The solutions generated can be scaled from local to global market & bring in globalization as well as hyper personalization.

## 8. Recommendation

HR will be soon taken over by Data-Driven HR Management, where data will decide how the management needs to be planned and implemented. Remote and Flexible Work Policies will soon come into existence. Focus on Diversity, Equity, and Inclusion (DEI). Technology Integration is now becoming mandatory with the dynamic changing global trends. Agile and Adaptive HR Practices will come into practice. HR as Strategic Business Partner will be a huge scope. These of these challenges will be worth exploring using the design thinking methodology as it deals with technology, innovative solutions, wicked problems, as machines and AI will take over still problem solving, decision making and creative thinking will be using the human mind. Hence author recommends that Design Thinking as a process must be tried and tested with the emerging trends of the changing business management for the organizations to manage and grow.

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