Appendix

Appendix A

List of Experts for Research Instrument Assessment

List of Experts for Research Instrument Assessment

- Asst. Prof. Dr. Weerawit Piyanonthasin Mae Hong Son College Chiang Mai Rajabhat University
- 2. Assoc. Prof. Dr. Siripapun Leephaijaroen Faculty of Humanity and Science Science Ubon Ratchathani Rajabhat University
- Dr. Sokyuen Tepthong
 Graduate School of Management and Innovation
 King Mongkut's University of Technology Thonburi (KMUTT)

Appendix B

Certificate of Exemption from Human Research Ethics Review

Certificate of Exemption from Human Research Ethics Review

ที่ อว ๐๖๔๒.๐๘๐/๒๕๖๖



คณะกรรมการจริยธรรมการวิจัยในมนุษย์
สถาบันวิจัยและพัฒนา
มหาวิทยาลัยราชภัฏธนบุรี
๑๗๐ ถนนอิสรภาพ แขวงวัดกัลยาณ์
เขตธนบุรี กรุงเทพมหานคร 10600

ส ธันวาคม ๒๕๖๖

เรื่อง ส่งเอกสารรับรองผลการพิจารณาจริยธรรมการวิจัยในมนุษย์

เรียน Miss Chen Yitong (ผู้ช่วยศาสตราจารย์ ตร.จิระพงค์ เรื่องกุน)

ด้วยคณะกรรมการจริยธรรมการวิจัยในมนุษย์ มหาวิทยาถัยราชภัฏธนบุรี ได้ประเมิน/ พิจารณาจริยธรรมฯ ในโครงการวิจัยของท่านแล้ว จึงขอนำส่งเอกสารรับรองการยกเว้นพิจารณาจริยธรรมโครงการวิจัย ตามรายละเอียดดังแนบ

จึงเรียนมาเพื่อทราบ

8

(ดร.วีรชัย คำธร) เลขาบุการคณะกรรมการจริยธรรมการวิจัยในมนุษย์ มหาวิทยาลัยราชภัฏธนบุรี

คณะกรรมการจริยธรรมการวิจัยในมนุษย์ โทร ๐-๒๘๙๐-๐๐๐๑, ๐-๒๘๙๐-๑๘๐๑ คือ ๒๐๘๑ และ๒๐๘๓



คณะกรรมการจริยธรรมการวิจัยในมนุษย์ มหาวิทยาลัยราชภัฏธนบุรี 172 ถนนอิสรภาพ เขตธนบุรี กรุงเทพมหานคร 10600 เบอร์โทรศัพท์ 02 890 0001 Dhonburi Rajabhat University Institutional Review Board 172 Itsaraparb Rd., Thonburi, Bangkok 10600 Tel No. 662 890 0001

เอกสารรับรองการพิจารณาโครงการจริยธรรมวิจัยในมนุษย์แบบยกเว้น Certificate of Exemption from Human Research Ethics Review

หมายเลขลณะกรรมการจรียธรรมการวิจัยในมนุษย์ (RB NO) DRURB-GOV-66-00015

ชื่อโครงการ (Research title) :

(ภาษาไทย) -

(English) Design the High Performance Work System (HPWS) to Align with the Digital Transformation: A Case Study of D

เลขที่โครงการวิจัย (Research number)

: 082/2566

ผู้วิจัยหลัก (Principal investigator)

: (ภาษาไทย) -(English) Miss Cher Yitong

หน่วยงานที่สังกัด (Institutional affiliation)

: Master of Business Administration Program, Faculty of Management

Sefence, Dhonburi Rajabhat University

ผู้วิจัยร่วม (Co-Investigators)

: (ภาษาไทย์) -

(English) -

หน่วยงานที่สังกัด (Institutional affiliation)

โครงการวิจัยนี้ ได้รับการรัชรองจากคณะกรรมการจริยธรรมการวิจัยในมนุษย์ มหาวิทยาตัยราชกัฏธนบุรี This research project is approved by Dhonburi Rajabhat University Institutional Review Board.

วันที่รับรอง (Certified date)

: 8 ธันวาคม 2566 (December 8th, 2023)

DIV

(ตร. ผ่องศรี เวสารัช/ Dr. Phongsri Waysarach) ประธานคณะกรรมการจรียธรรมการวิจัยในมนุษย์ มหาวิทยาลัยราชภัฏธนบุรี Chairperson of Dhonburi Rajabhat University Institutional Review Board

พมายเหตุ :

1. ไม่ต้องส่งรายงานความก้าวหน้า

2. ส่งรายงานการวิจัยฉบับสมบูรณ์ พร้อมแบบพ่อร์มรายงานผลสรุปการวิจัย (DRU - IRB Form 14-01/2.0) เมื่องานวิจัยแล้วเสร็จ

Remarks:

1. No requirement for progress report.

2. When complete the research, please submit a full research report and the research report form (DRU - IRB Form14-01/2.0).

Appendix C

Questions for Expert Interview

Questions for Expert Interview

- 1. Can you describe the practices and strategies that Company D currently employs in its human resource management?
- 2. What are the key challenges or issues facing HR at Company D in the current context?
- 3. How has the role of HR evolved to respond to the latest changes in the business environment, including digital transformation?
- 4. Are there any specific HR plans or initiatives in place to meet the changing needs of employees and the goals of the organization?
- 5. How would you assess the effectiveness of Company D's current HRM practices?
- 6. Can you talk about the digital transformation program that Company D is under taking?
- 7. What are the specific goals and objectives of Company D's digital transformation efforts?
- 8. How do you see the role of the High Performance Work System (HPWS) in supporting and enhancing Company D's digital transformation journey?
- 9. What do you think are the key elements or components that should be incorporated into the design of the HPWS to ensure alignment with the digital transformation strategy?
- 10. What potential challenges or barriers do you anticipate in implementing the proposed HPWS in the context of Company D's digital transformation?
- 11. Opportunities and threats in China's HRM industry
- 12. Strengths and weaknesses of HRM in Company D after digital transformation
- 13. The current situation of HRM in Company D
- 14. Aspects to be paid attention to in designing high-performance work system
- 15. How to design a high-performance work system to retain talents
- 16. How to design a high-performance work system to improve employee productivity
- 17. How to design a high-performance work system to keep in line with Company D's digital transformation.
- 18. Problems facing human resource management after digital transformation
- 19. How to innovate the organizational structure after digital transformation
- 20. Innovative Strategies for Human Resource Management in the Context of Digital Transformation

Appendix D

Example of Interview Record

Example of Interview Record

Question: In the current context, what are the main challenges or issues facing HR in Company D?

Answer: The problems that Company D is facing now are facing the difficulty of talent recruitment, due to the imbalance of supply and demand in the market, a single recruitment channel, and the lack of an effective recruitment process and evaluation system; insufficient training and development in Company D. Employees' skills and knowledge can not be updated and improved, and they can not adapt to the digital transformation of Company D; and the low level of satisfaction of the employees, which will affect the efficiency of the work and the motivation of the work, which will make the competitiveness of the company D Company D's compensation and benefits are not attractive, which leads to employee turnover and recruitment difficulties, making it difficult to retain its own talented employees and attracting other talented people; Company D's talent pipeline is not sufficiently constructed, which leads to a serious brain drain and a serious fault line phenomenon.

Appendix E

The Environment of Digital Transformation Analysis Forms

1. PEST Analysis Form

Category	Sub-Categories	Factors
Political	government stability,	• political system
	regulations, trade	• form of government
	agreements, and taxes.	• political situation
		• government attitude
		• laws and regulations
Economic	inflation rates, interest	• GDP
	rates, and currency	• interest rate level
	exchange rates	Fiscal and monetary policy
	*	Market mechanisms and demand
	-	Disposable income of the
		population
Social	demographic changes,	Size of population
	cultural attitudes, and	• cultural background
	consumer behavior	• age structure
		Population distribution
		Income distribution
Technology	the level of innovation in	• new technologies
	the industry, technological	• new material
	advancements, and the	• new technology
	impact of automation	• growing trend
		Application Background

2. Core Competence Analysis Form

Competence	What does this	How	Can	Score of 15 or
	competency allow us to	strategic	competitors	higher indicates
	do?	is it for	copy it?	strategic
		the	(1=Easy;	capability &
		future?	10=Hard)	likely
		(1 = Low;		differentiator
		10 =		
		High)		
Company profile	Founded in 2002, Company	D has branc	hes in several l	ocations in China
	and employs 25,000 people	, of which 3	00 are compan	y-owned and the
	rest are outsourced. For hist	orical reaso	ns, most of the	company's
	clients are government orga	nizations an	d state-owned	enterprises.
Technological	D company independent			
innovation ability	research and			
	development of OA			
	system and APP, can			
	efficiently docking	9	7	16
	customers, timely	The state of the state of		
	understanding of customer			
	needs, for can provide			
	personalized service.			
Production and	Company D conducts			
service capacity	professional skills tests			
	every year to ensure that			
	the most professional			
	services are provided to			
-	customers; Company D	6	3	15
	has also set up an	0		15
	emergency planning team			
li .	to ensure that unexpected			9
	situations are handled in a			
	timely manner for			
	customers.			

		_	
, -			
	8	7	17
cognized as a benchmark		·	
mpany in the human			
sources industry and has			
on a number of HR			
vards.			
ompany D's 2022			
venue topped \$200			
illion, up 30.4% year-			
er-year, with the			
ajority of revenue	7	5	15
ming from the labor			
spatch business, which is			
e company's main			
venue.			
mpany D has a customer			
rvice department with			
ofessionally trained			
rsonnel who are able to			
spond quickly to			
oblems from expatriate			
nployees or customers.	6	5	15
its clients so that they			
n resolve issues in a			
	sources industry and has on a number of HR vards. Impany D's 2022 Illion, up 30.4% year- Iver-year, with the ajority of revenue Iming from the labor spatch business, which is ecompany's main Ivenue. Impany D has a customer Ivice department with Defessionally trained Irsonnel who are able to spond quickly to Deblems from expatriate Inployees or customers. In ecompany has ecialized counterparts Its clients so that they	tents to work with in 122, up 23.1% year-over- tear, Company D has been repeatedly cognized as a benchmark ompany in the human sources industry and has on a number of HR vards. Impany D's 2022 venue topped \$200 venue topped \$20	tents to work with in 122, up 23.1% year-over- tear, Company D has been repeatedly cognized as a benchmark sources industry and has been a number of HR vards. Tompany D's 2022 venue topped \$200 venue venue venue venue venue venue venue venue venue. Tompany D has a customer revice department with offessionally trained venue. Tompany D has a customer revice department with offessionally trained venue. Tompany D has a customer revice department with offessionally trained venue. Tompany D has a customer revice department with offessionally trained venue. Tompany D has a customer revice department with offessionally trained venue. Tompany D has a customer revice department with offessionally trained venue. Tompany D has a customer revice department with offessionally trained venue. Tompany D has a customer revice department with offessionally trained venue. Tompany D has a customer revice department with offessionally trained venue. Tompany D has a customer revice department with offessionally trained venue. Tompany D has a customer revice department with offessionally trained venue. Tompany D has a customer revice department with offessionally trained venue. Tompany D has a customer revice department with offessionally trained venue.

3. External Factor Analysis (EFA) Form

External Factors	Weight	Rating	Weighted score
Opportunities			
O1 Growing importance of human resources	0.1	3	0.3
O2 Growing market size and influx of new customers	0.13	3	0.39

External Factors	Weight	Rating	Weighted score
O3 Leveraging developments in artificial intelligence to	0.09	3	0.27
more accurately predict customer needs			
O4 Brand building of HR service industry receives attention	0.07	4	0.28
O5 Further upgrading of market segmentation and	0.11	3	0.33
industrial structure optimization			
Treats			
T1 Increasing specialization and complexity	0.09	3	0.27
T2 Stabilization of competitors' market share in the same	0.1	3	0.3
industry			
T3 Risk of changes in industry policies and regulations	0.13	3	0.39
T4 Shortage of financial resources in the post epidemic era	0.11	3	0.33
T5 Decrease in state subsidy programs for the HR	0.07	2	0.14
industry			
Total Scores	1.00		3.00

4. Internal Factor Analysis (IFA) Form

Internal Factors	Weight	Rating	Weighted score
Strengths			
S1. A team of professionally qualified employees	0.19	3	0.57
S2. High sense of obedience among the employees of	0.14	3	0.42
the company			
S3. High brand awareness	0.1	4	0.4
S4. Sufficient capital of the company	0.11	3	0.33
S5. Leading in innovation and technology	0.16	4	0.64
Weaknesses			
W1. Lack of mechanisms for employees to share the	0.03	2	0.06
benefits of corporate development with the			
company			
W2. Low level of internationalization of the company	0.06	2	0.12
W3. Lack of diversity in the company's products	0.05	3	0.15
W4. Lack of management talents	0.04	3	0.12
W5. Inadequate human resource management system	0.12	3	0.36
Total Scores	1.00		3.17

5. SWOT Analysis

Strengths	Weakness
S1 A team of professionally qualified	W1 Lack of mechanism for employees to
employees	share the benefits of corporate
• S2 A strong sense of obedience among the	development with the company
company's employees	W2 Low level of internationalization of the
S3 High brand awareness	company
S4 Adequate capitalization of the company	W3 Lack of diversity in the company's
S5 Leading in innovation and technology	products
	W4 Lack of management talents
	W5 Inadequate human resource
	management system
Opportunities	Threats
O1 Increasing importance of human	• T1 Increasing specialization and complexity
resources	T2 Stabilization of competitors' market
O2 Expanding market size and influx of new	share in the same industry
customers	T3 Risk of changes in industry policies and
O3 Utilizing developments in artificial	regulations
intelligence to more accurately predict	T4 Shortage of financial resources in the
customer needs	post epidemic era
• O4 Brand building in the HR service industry	T5 Reduction of state subsidy programs
receiving attention	in the human resources industry
O5 Upgrading of market segmentation and	
optimization of industrial structure	

6. TOWS Matrix

Opportunities	OS strategies	OW strategies
O1 Increasing importance of	1. Human resources are	1. The market size is
human resources	becoming increasingly	expanding and new
O2 Expanding market size	important in today's	customers are coming in.
and influx of new	market Company D can	Company D needs to
customers	utilize its brand awareness	improve its
O3 Utilizing developments	and a team of	internationalization level
in artificial intelligence	professionally qualified	and enhance the
to more accurately	employees to attract new	diversity of its products
predict customer needs	customers and enhance	so that it can attract new
O4 Brand building in the HR	its competitiveness in the	customers. (O2, W2, W3)
Service industry	market. (O1, S1, S3)	
receiving attention		

- O5 Upgrading of market segmentation and optimization of industrial structure
- 2. In this era of big data, the use of digitalization is becoming more and more popular Company D has sufficient capital and innovative technology, which can be used to attract new customers and stabilize old ones. (O2, S4, S5)
- 2. The importance of human resources is increasing, the market is segmented and the structure is optimized, while the human resource management system of Company D is still deficient, lack of management personnel, which will reduce the competitiveness of Company D's market, so it is necessary to design a high-performance work system to improve the motivation of the staff and enhance the competitiveness of the Company D's market. (O5, W4, W5)

Threats

- T1 Increasing specialization and complexity
- T2 Stabilization of competitors' market share in the same industry
- T3 Risk of changes in industry policies and regulations
- T4 Shortage of financial resources in the post epidemic era
- T5 Reduction of state subsidy programs in the human resources industry

TS strategies

- 1. The national subsidy program for the human resource industry has been reduced, and Company D will lose a lot of income from the subsidy program, but Company D has sufficient capital of its own, and this status quo has little impact on Company D. (T5, S4)
- 2. Nowadays, the industry is becoming more specialized and complex, and the requirements for HR service companies are

TW strategies

- 1. The increasing specialization of the industry, such a situation for the staff requirements are higher, so you need to enhance the staff welfare system, so as to avoid the loss of talent. (T1, W1)
- 2. There are many changes in the industry policy, in this case, Company D needs more excellent management personnel and efficient workflow to cope with the changes in the rules. (T3, W4, W5)

higher, in which case	
Company D can use its	
own specialized team to	
attract customers. (T1,	
S1)	

7. Questionnaire

Name	Width	Label	Values	Value
Gender	1	Gender	1-4	1 = Male
				2 = Female
				3 = Non-binary
				4 = Prefer not to answer
Age	1	Age	1-3	1 = 20-30
				2 = 31-40
				3 = 41-50
Highest degree	1	Highest degree	1-8	1 = Less than high
				school
				2 = High school
				3 = University
				4 = junior college
				5 = undergraduate
				6 = Master
				7 = Doctorate
				8 = prefer not to answer
Income	1	composition	1-5	1 = Grass-roots staff
composition				2 = Human resources
				specialist
				3 = Middle management
				4 = Top management
				5 = prefer not to answer

High Performance Work System	1 Strongly Agree	2 Agree	3 Average	4 Disagree	5 Strongly disagree
Job Involvement					
Employees actively participate in job rotation to enhance their skills and adaptability in the context of digital transformation	2	49	86	32	5
Employees are empowered to make decisions, fostering a culture of autonomy and responsibility in the digital transformation journey	23	95	54	2	ž.
3. Job roles are customized to match individual skills and capabilities, with a specific focus on supporting digital initiatives.	37	99	38	-	
Employee selection					
Employee selection is a comprehensive process involving interviews, tests, and other assessments tailored to digital roles and competencies.	17	57	56	39	5
5. Selection criteria emphasize candidates' ability to collaborate effectively within digital teams and adapt to technological advancements.	27	86	61		
Selection involves screening many job candidates.					
6. Rigorous candidate screening is conducted to ensure the best fit for the organization's digital goals.	35	103	35	1	
7. Selection prioritizes identifying candidates with broad skillsets relevant to digital transformation, regardless of specific job roles.	25	69	77	2	1
8. The selection process encourages promotion from within the company, with a keen eye on nurturing digital talent.	37	112	25		

	1				5
High Performance Work System	Strongly	2	3	4	Strongly
	Agree	Agree	Average	Disagree	disagree
9. Selection criteria emphasize	45	97	32		
candidates' potential to learn and					
adapt within the evolving digital					
landscape.					
Training & Development					
10. Continuous training & development	23	97	46	8	
programs are in place to develop					
and enhance employee skills,					
specifically focusing on digital					
proficiency.					
11. Training & development programs	36	116	22		
are comprehensive, covering a wide					
range of digital topics and					
technologies.					
12. Training & development initiatives	34	117	23		
focus on building firm-specific					
digital skills and knowledge					
required for successful digital transformation.					
13. Training & development emphasizes	35	115	24		
practical, on-the-job experiences to	55	115	24		
facilitate skill application in digital					
contexts.					
Performance management				L .	
14. Employee performance is assessed	27	123	9	15	
based on objective, quantifiable					
digital results and contributions.					
15. Performance appraisals include a	33	126	13	2	
management-by-objective					
approach with mutual goal setting,					
aligned with digital transformation					
objectives.					
16. Performance evaluations provide	51	115	8		
developmental feedback to aid					
employee growth in the digital					
realm.					

High Performance Work System	1 Strongly Agree	2 Agree	3 Average	4 Disagree	5 Strongly disagree
Compensation					
17. Incentive structures are tied to team	49	122	3		
performance, promoting					
collaboration and achieving digital					
milestones.					
18. Compensation packages feature an	87	80	7		
extensive benefits package to					
support employee well-being					
during the digital transition.					
19. Competitive wages are an integral	85	88	1		
part of our compensation offerings,					
reflecting the value of digital skills					
and contributions.					
20. The incentive system incorporates	56	87	27	4	
skill-based pay to reward digital					
expertise and proficiency.			1 - 1		
21. Compensation is contingent on	58	101	15		
individual and team performance,				1 1	=
with a clear link to digital					
transformation success.					

8. Interview Guideline

Research objectives	Questions		
1. To analyze the current situation of	1. Can you describe the current practices and strategies		
human resource management in D	employed in human resource management at D		
company.	Company?		
	2. What are the key challenges or issues faced by the		
	HR department in D Company in the current		
	context?		
	3. How has the role of HR evolved in response to		
	recent changes in the business landscape, including		
*	digital transformation?		
	4. Are there any specific HR initiatives or programs in		
	place to address the changing needs of the		
	workforce and the organization's goals?		
=	5. How do you assess the effectiveness of the current		
	HR management practices at D Company?		

Research objectives	Questions		
2. To design a high-performance work	1. Could you provide insights into the ongoing digital		
system (HPWS) aligned with the	transformation initiatives at D Company?		
digital transformation of D	2. What are the specific goals and objectives of D		
Company.	Company's digital transformation efforts?		
	3. How do you envision the role of a high-performance		
	work system (HPWS) in supporting and enhancing the		
	digital transformation journey of D Company?		
-	4. What key elements or components do you think		
	should be incorporated into the design of the HPWS		
	to ensure alignment with the digital transformation		
	strategy?		
	5. What potential challenges or barriers do you foresee		
	in implementing the proposed HPWS within the		
	context of D Company's digital transformation?		

Biography

Name

Chen Yitong

Day Month Year of Birth

28/02/1994

Domicile

Building 7, Area C, Shihua Waterfront, Fengtai District,

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Academic Background

2018

Bachelor of Laws

JILIN University

2023

Master of Business Administration

Dhonburi Rajabhat University

Position and Office

2023

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