



جامعة الجميع الذكية
EVERYONE'S SMART UNIVERSITY

Everyone's Smart University

Project (Spring 2021)

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Section
Master

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Course Code
(PMG510)

Project Risk Management

Instructions:

- اخر موعد للتسليم هو يوم السبت 2021-05-08 في تمام الساعة ٩ مساءً.
- الإجابة متاحة باللغة الإنجليزية أو اللغة العربية مع مراعاة أن تكون المصطلحات العلمية باللغة الانجليزية.
- يتم تسليم المشروع في صيغة ملف . pdf مع الالتزام نموذج الجامعة ولن تقبل أي مستندات أخرى.
- يجب مراعاة أقسام البحث الرئيسية (مقدمة Introduction، دراسات علمية سابقة Literature Review، طريقة البحث Methodology، النتائج والمناقشة Results and Discussion، وأخيراً المراجع References. وان كان هناك ملحقات Appendices يتم إضافتها)
- يجب الالتزام بـ Theme موحد كما يلي:
- حجم الخط 12.
- نوع الخط Arial.
- لون الخط أسود.
- المسافة بين الأسطر 1.5 line spacing
- عدد صفحات البحث (لا يقل عن ثلاث صفحات ولا يزيد عن ست صفحات).

Instructor's Name: Eng. Mosaab M. Hamed

Payroll System

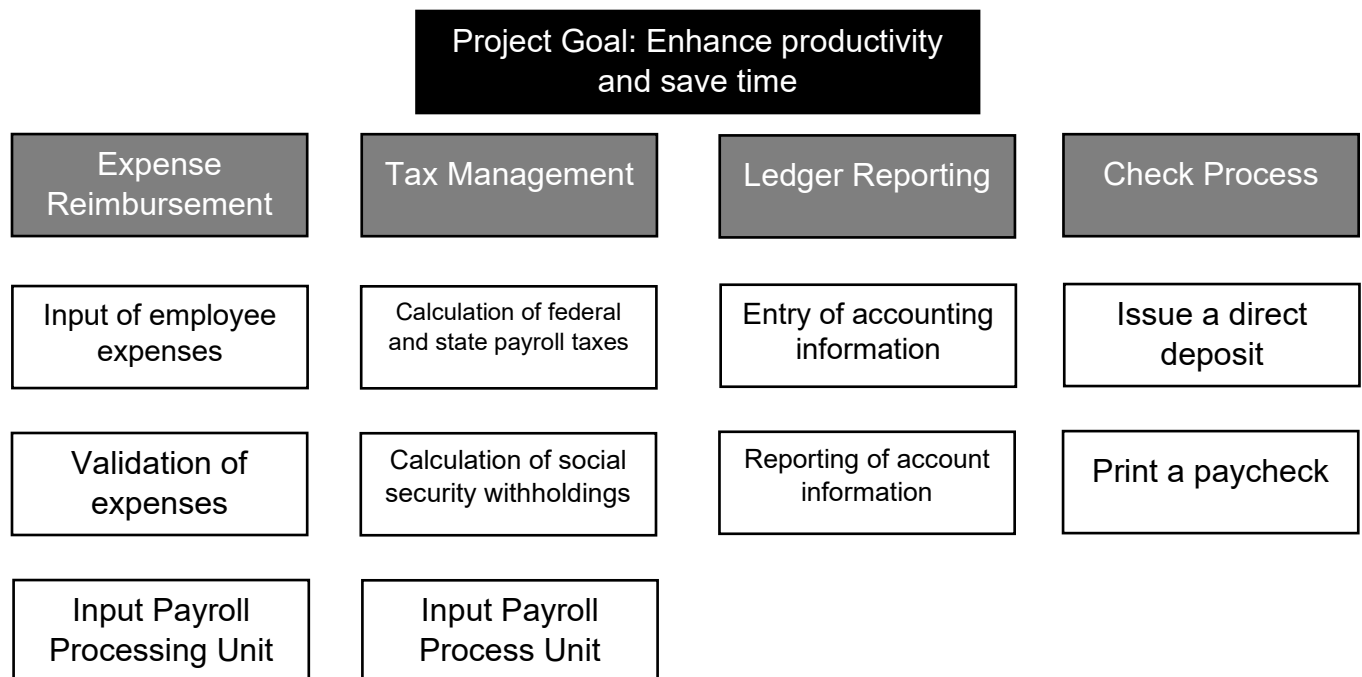
INTRODUCTION

Project Overview Statement:

The project aims to provide a cloud-based payroll system service to potential customers. Furthermore, each unit in the payroll system is a discrete unit that would be able to interface outside of the payroll system with other business systems (Projectmanager, 2018).

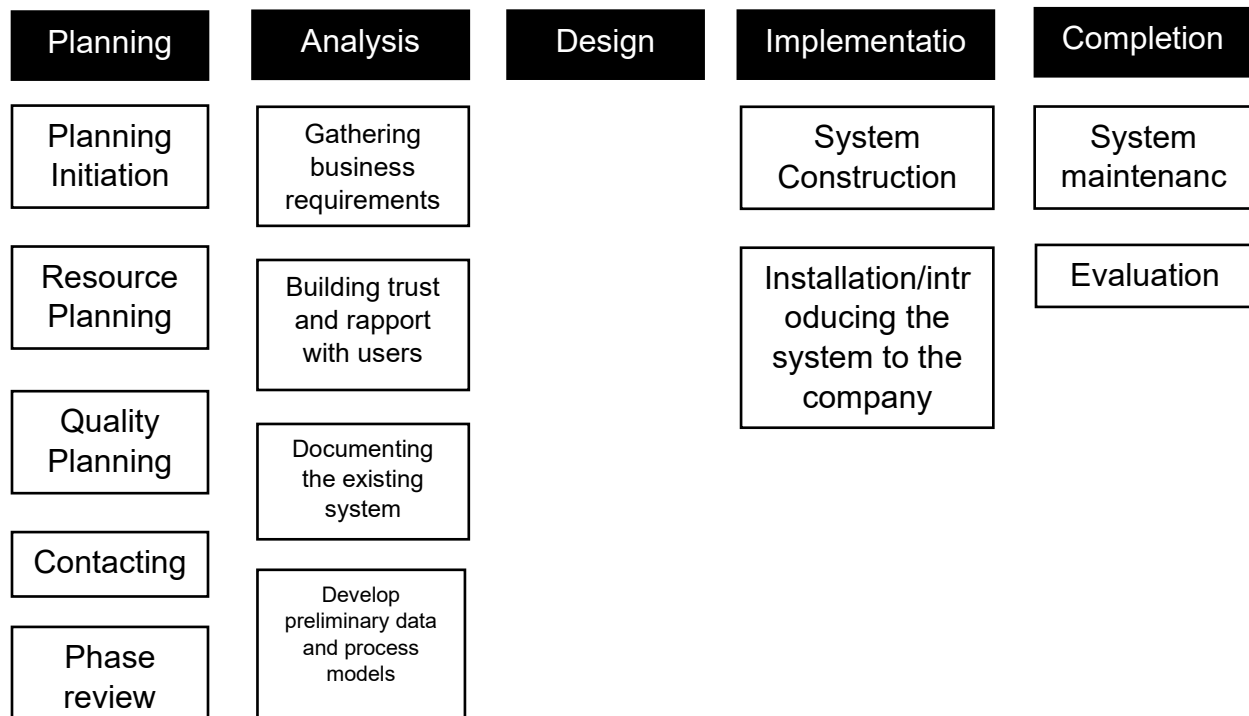
The project will help in input of employee expenses when performing work for the company, calculation of federal and state payroll taxes, calculation of social security withholding, and finally entry and reporting of accounting information.

Project RBS



METHODOLOGY RISKS

Work Breakdown Structure (WBS) (PMI, 2017)



Stakeholder Management Plan

Stakeholder	Stake in Project	Influence	What is Needed	Attitudes / Risks	Strategy	Responsibility
Payroll System Client	Principle project owner	Decision maker	Understand state of project	Supports project and focus on productivity	Provide regular status reports	Approve project
Payroll System Users	System user	Uses payroll system on daily basis	Understanding of system functionality	Neutral / wait and see attitude	Engage in requirements and high-level design	Ensure system usage
Payroll System Design Engineer	Responsible for system design	Can make the project better or worst	Insight into system design requirements	Moderate support	Engage in development of payroll system project	Ensure payroll system easy functionality and usage

Communication plan

Message	Purpose	Audience	Owner	Media	Timing
Project status	Provide insight of project progress/status	Project Owner	Project Manager	Written report	Weekly
Proof of functionality	Demonstrate the system provides functionality and improves productivity	Project Owner and Users	System Designer	Team meetings	Weekly

Risk Management Plan

Risk Identification

Risk Categories and Risks	Scope Triangle Elements				
	Scope	Time	Cost	Resources	Quality
Technical					(1) System Design proves to be non-effective and non-user friendly
Project Management		(2) Project goes ahead of schedule			
Project Management			(3) Project goes over budget		
Organizational				(4) Skilled system engineers are not available	
External	(5) Stakeholders changes the scope mid-project				

Risk Analysis (Juricek, 2015)

Risk Category	Scope Triangle	Event #	Event	Prob.	Impact	Priority	Mitigate
Technical	Quality	(1)	ID Valve combinations	Medium	High	1	Yes
Project Management	Time	(2)	Poor Schedule estimate	Medium	Medium	3	Yes
Project Management	Cost	(3)	Poor Budget estimate	Low	Medium	4	Yes
Organizational	Resources	(4)	Skilled personnel not available	Low	Medium	5	No
External	Scope	(5)	Stakeholders change scope mid-project	Low	High	2	Yes

Probability	0.7-1	high	high	medium
	0.3-0.69	high	medium	low
	0-0.29	medium	low	low
		0.7-1	0.3-0.69	0-0.29
Impact				

Risk Mitigation

Risk Event #	Mitigation Plan
(1)	Validate system functionality and user friendliness before deployment
(2)	Monitor with weekly status reports; re-estimate if variance above 10%
(3)	Use historic record and expert judgement in estimating budget
(4)	Not Required
(5)	Ensure stakeholder management techniques are adopted

Risk Probability	Risk Severity				
	Catastrophic 5	Hazardous 4	Major 3	Minor 2	Negligible 1
Frequent -5					
Occasional-4					
Remote -3	15				
Improbable-2		8 8	6	4	
Extremely improbable-1			3		

REFERENCES

Juricek, M. T. (2015). PROJECT RISK MANAGEMENT MODEL BASED ON PRINCE2 AND SCRUM FRAMEWORKS. *International Journal of Software Engineering & Applications*, 81-88.

PMI. (2017). *Project Management: Project Schedule Planning*. Atlanta: PMI Book Service Center.

Projectmanager. (2018). *PRINCE2: An Introduction to the Project Management Methodology*. Retrieved from William Malsam: <https://www.projectmanager.com/blog/prince2-methodology>