MIS353

MANAGEMENT OF IS PROJECT COURSE

TEAM PROJECT

"ELECTRONIC TAX PAYMENT SYSTEM"

Doç. Dr. Tunç Durmuş MEDENİ

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PROJECT DESCRIPTION AND TEAM MEMBERS

Viewing and Paying Taxes Paid to the State and Municipalities on a Website:

Firms and individuals have to constantly pay taxes. Some of the tax debts are displayed on e-government, some on the municipality's website and some on the interactive tax office. That's why the payments differ. We are designing a website where we can view and pay the debts to the state and the debts to the municipalities on a single screen.

The database and information of this website will be linked to e-government. Firms and individuals prepaid taxes, future tax debts will be displayed. They will also be able to assign automatic payments from the bank upon request When the debts are due, information will be given via e-mail and SMS.

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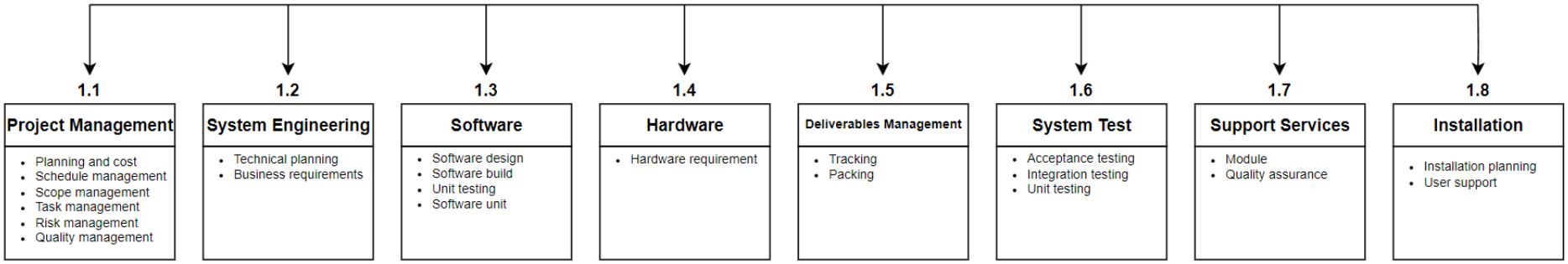
TEAM MEMBERS:

Abdulkerim Ahmet ÜNAL – 17030411027

Arif ESEN – 17030411054

Hamza YAVUZ – 17030411056

WORK BREAKDOWN STRUCTURE FOR ELECTRONIC TAX ADMINISTRATION



CONDUCT RISK ANALYSIS

Communication Problems: There can be a communication problem between project team and developer. For that reason, what customers wants don't match what developers do. **Financial Problems:** Determined budget doesn't match up coming budget.	**Safety, Confidentially, Integrity, Avability** can be seen as a safety problem. **Data Integration:** There can be problems of data integration between receiver and sender.
Bug and Errors: It is important to deal with them but not that much important.	**Worker Circulation:** Some workers don't have enough ability to do something. **Threats and Attacks:** In a big project it is common that threats and attacks can be seen.

Solutions:

1. Set the goal for risk analysis.
2. Collect data to identify.
3. Add valuese to risks.
4. Identify highest priority risk.
5. Develop a plan to mitigate these risks.
6. Follow through with plan.
7. Review the effect of the plan.

COMMUNICATON MANAGEMENT TABLE

END-USERS: Users have to be satisfied from the servers because they will be the ones who are the users.	**PROJECT-TEAMS:** Project teams have to be satisfied because they will be the ones who will generate the project to deal with it.
DEVELOPERS: It is not necessary that developers because they will just code.	**T.C. DIGITAL TRANSFORMATION OFFICE:** We have to give them information because they will be the ones who should be informed.

RACI MATRIX OF ELECTRONIC TAX SYSTEM

Project Steps	Abdulkerim Ahmet ÜNAL	Arif ESEN	Hamza YAVUZ	Tunç MEDENİ
Project Management	Accountable	Informed	Responsible	Consultant
System Engineering	A, I	I, R	A, R	C
Software	C, R	I, A	R, I	C
Hardware	R, I	I, A	R, I	C
Deliverables Management	I, A, R	I, A	A, I	C
System Tests	R	I, A	R, I	C
Support Services	A	I, R	A, R	C
Installation	C, A	I, R	A, R	C

BUDGET PLANNING EXPLANATION

As team members, we decided to choose 'the percentage breakout method' when we were doing the budget planning for our ELECTRONIC TAX MANAGEMENT SYSTEM. The reason why we have selected it is because we wanted to break down our household income into percentages, then plan our spending and savings accordingly.

In that budget planning method, we have selected one of the most common percentage breakdowns, which is 50/20/30.

50% means we have budget no more than 50% of our income goes toward our priority needs.

What our priority needs include are

*Staffing

*Software

*Hardware

*Outsourced services

*Maintenances

*Data center costs

*Utilities

20% means we have budget no more than 20% of our income goes on requests and non-essential expenses.

What our requests and non-essential expenses include are

*Better staff

*More quality hardware

*Better software

*Larger database

*Better host device

*Credences of team members

30% means we have budget no more than 30% of our income goes toward savings and debt payment.

What our savings and debt payment include are

*Remote working

*Performance based payments

*Live in the cloud for database

*Using open source tools

*Outsourcing

This is how our income and expense tables.

BUDGET PLANNING

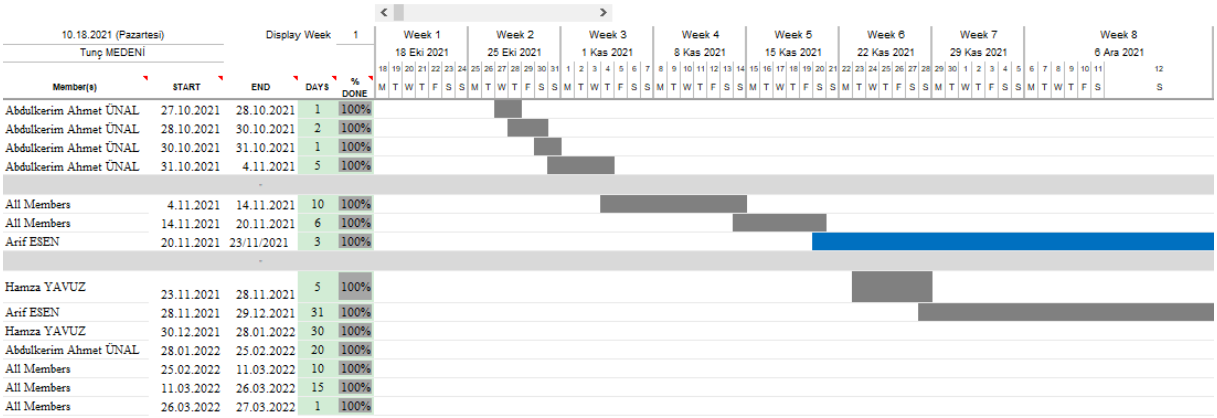
50% - PRIORITY NEEDS	PLANNED
Staffing	250.000
Software	5.000
Hardware	20.000
Outsourced Services	15.000
Maintenances	50.000
Data Center Costs	100.000
Utilities	10.000
TOTAL (₺)	450.000

20% - REQUESTS AND NON-ESSENTIAL EXPENSES	YES	NO	PLANNED
Better Staff		X	
More Quality Hardware	X		15.000
Better Software	X		7.000
Larger Database	X		20.000
Better Host Device	X		20.000
Credences of Team Members		X	
TOTAL (₺)			62.000

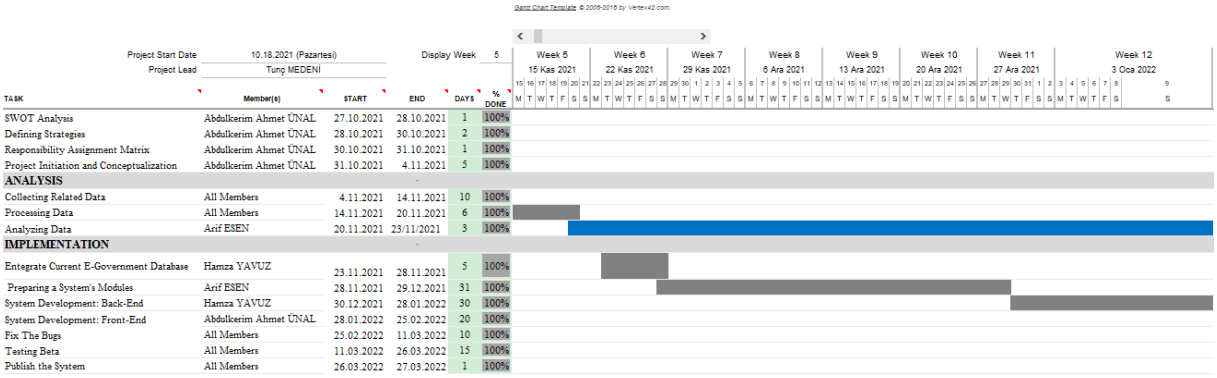
30% - SAVINGS AND DEBT PAYMENTS	YES	NO	PLANNED
Remote Working	X		50.500
Performance-Based Payments		X	
Live in the Cloud for Database	X		20.000
Using Open Source Tools		X	
Outsourcing		X	
TOTAL (₺)			70.500

TOTAL (₺)	582.500

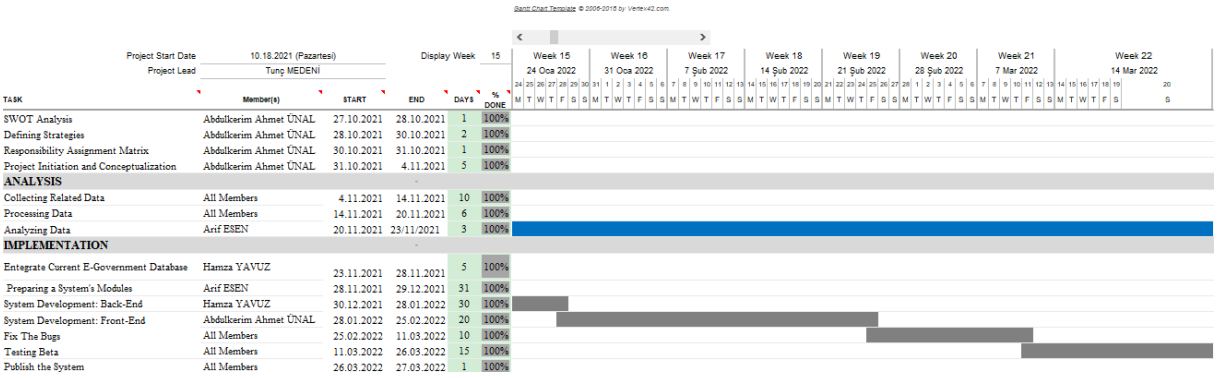
GANTT CHART



Member(s)	START	END	DAYS	% DONE
Abdulkerim Ahmet ÜNAL	27.10.2021	28.10.2021	1	100%
Abdulkerim Ahmet ÜNAL	28.10.2021	30.10.2021	2	100%
Abdulkerim Ahmet ÜNAL	30.10.2021	31.10.2021	1	100%
Abdulkerim Ahmet ÜNAL	31.10.2021	4.11.2021	5	100%
		-		
All Members	4.11.2021	14.11.2021	10	100%
All Members	14.11.2021	20.11.2021	6	100%
Arif ESEN	20.11.2021	23/11/2021	3	100%
		-		
Hamza YAVUZ	23.11.2021	28.11.2021	5	100%
Arif ESEN	28.11.2021	29.12.2021	31	100%
Hamza YAVUZ	30.12.2021	28.01.2022	30	100%
Abdulkerim Ahmet ÜNAL	28.01.2022	25.02.2022	20	100%
All Members	25.02.2022	11.03.2022	10	100%
All Members	11.03.2022	26.03.2022	15	100%
All Members	26.03.2022	27.03.2022	1	100%



TASK	Member(s)	START	END	DAYS	% DONE
SWOT Analysis	Abdulkerim Ahmet ÜNAL	27.10.2021	28.10.2021	1	100%
Defining Strategies	Abdulkerim Ahmet ÜNAL	28.10.2021	30.10.2021	2	100%
Responsibility Assignment Matrix	Abdulkerim Ahmet ÜNAL	30.10.2021	31.10.2021	1	100%
Project Initiation and Conceptualization	Abdulkerim Ahmet ÜNAL	31.10.2021	4.11.2021	5	100%
ANALYSIS			-		
Collecting Related Data	All Members	4.11.2021	14.11.2021	10	100%
Processing Data	All Members	14.11.2021	20.11.2021	6	100%
Analyzing Data	Arif ESEN	20.11.2021	23/11/2021	3	100%
IMPLEMENTATION			-		
Entegrate Current E-Government Database	Hamza YAVUZ	23.11.2021	28.11.2021	5	100%
Preparing a System's Modules	Arif ESEN	28.11.2021	29.12.2021	31	100%
System Development: Back-End	Hamza YAVUZ	30.12.2021	28.01.2022	30	100%
System Development: Front-End	Abdulkerim Ahmet ÜNAL	28.01.2022	25.02.2022	20	100%
Fix The Bugs	All Members	25.02.2022	11.03.2022	10	100%
Testing Beta	All Members	11.03.2022	26.03.2022	15	100%
Publish the System	All Members	26.03.2022	27.03.2022	1	100%



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SWOT Analysis	Abdulkerim Ahmet ÜNAL	27.10.2021	28.10.2021	1	100%
Defining Strategies	Abdulkerim Ahmet ÜNAL	28.10.2021	30.10.2021	2	100%
Responsibility Assignment Matrix	Abdulkerim Ahmet ÜNAL	30.10.2021	31.10.2021	1	100%
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Publish the System	All Members	26.03.2022	27.03.2022	1	100%

These are our Gantt Chart's screenshots. We created our Gantt Chart from Excel, but Turnitin could not accept the xlsx file. Also, in our Gantt Chart Template, you should select the week number for display the weeks. So, that's why there are screenshots more than one.

BALANCE SCORE CARD

	OBJECTIVES	MEASURES	TARGETS
FINANCIAL	**Maintain Financial Balance** Cutting essential and non-essential expenses Creating a budget to track expenses	Hiring freelancer Using budget managing tools	75% 100%
	OBJECTIVES	MEASURES	TARGETS
USERS	**Satisfying users** Creating a simple user interface Reaching all the potential users	Using minimalist templates Making the system available for all devices	100% 80%
	OBJECTIVES	MEASURES	TARGETS
INTERNAL	**Improve service quality of the system** Having a large database Having a payment system for each method	Using a good database server Integrating the system with all payment method	90% 90%
	OBJECTIVES	MEASURES	TARGETS
LEARNING	**Maintaining the learning and growth strategies** Making the employees work better Providing better opportunities for employees to work better	Hiring consultants Improving hardware and software	90% 70%

KEY PERFORMANCE INDICATORS

Business Objectives	KPI 1	KPI 2	KPI 3
Data Integrity	Transferring data with faultless from other databases	Cleaning the data before the process it	Uploading and updating the database into the cloud system
Uninterrupted Service	Controlling and updating databases	Making the system available for all devices	Well designed and easy to use
Provide the System to All Clients	Using minimalist templates	Having a easy usable interface	Readily accessible contact and location
Time Saving for Clients	Optimized for Search	Removing unnecessary contents	Having easy and fast payment options

Vision	Mission
To make people's daily work easier and faster	To make the tax payment administration work better and easier for everyone who can access the internet throughout one system.

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