PROJECT PLANNING & MANAGEMENT FORM

CMPE 406

PROJECT NO :

PROJECT NAME :

PROJECT START DATE:

PROJECT END DATE:

SUPERVISOR:

SEMESTER TERM:

Project Type: Software Design & Development Project Template updated: 20.11.2017

The from is adapted from TÜBİTAK* – The scientific and technological Research Council of TURKEY, https://www.tubitak.gov.tr/en

*TÜBİTAK – The Scientific and Technological Research Council of Turkey (TÜBİTAK) is the leading agency for management, funding and conduct of research in Turkey. It was established in 1963 with a mission to advance science and technology, conduct research and support Turkish researchers. The Council is an autonomous institution and is governed by a Scientific Board whose members are selected from prominent scholars from universities, industry and research institutions.

TÜBİTAK is responsible for promoting, developing, organizing, conducting and coordinating research and development in line with national targets and priorities.

A.1. Preliminary Project Information

A.1.1

Project No	
Project Name	
Start Date	
End Date	
Time	

A.1.2

Project Manager		
Name Surname	ID No	
Title/Role		
Address		
Phone		
Email		

A.2 Group Information

A.2.1

Student 1		
Name Surname	ID No	
Title/Role		
Address		
Phone		
Email		

Student 2		
Name Surname	ID No	
Title/Role		
Address		
Phone		
Email		

A.Z.Z
List of Completed / Ongoing Projects of Team
B.1 Introduction to Project
B.1.1
Summary of Project
B.1.2
Key Words
D 1 2
B.1.3 Aim of Project
Aim of Project
B.1.4
Innovative Aspects/Contributions of Project

B.1.5
Methods to be Applied
B.1.6
Economic and National Outcomes
B.2 Reason of Starting the Project, Methods and
R&D Stages
D 2 4
B.2.1 1- Explain the reason of starting this project. (Max 500 charachter)
1- Explain the reason of starting this project. (Max 300 thatachter)
2- Explain the purpose of this project.

3- Explain
o output of project
o national / international standards if exist
 the specific objectives of the project success criterias
 success criterias realistic constraints
4- Explain o the methods to be applied during R&D activities
o applications
o technics and tools to be used
o standards to be followed under the workflow
Which SOFTWARE PROCESS MODEL in below will you apply? Why? How? Explain.
* The waterfall model?
*V-model of software process?
*Evolutionary development?
*Component-based software engineering? Etc.
Explain, Project Workflow:
1. Feasibility and Pre-research:
2. System Design:
3. Software development:

4. Prototype implementation and testing work:
5. Maintenance:
5- Explain
 the contribution of national/international technological development if exist
o starting a new research and development projects within or outside the team
o launch new applications or research studies in different technology areas
With whom we can cooperate? Expectations: Published work: Can your output be an input for other similar national/international projects?

B.3 Innovative and Unique Aspects

B.3.1

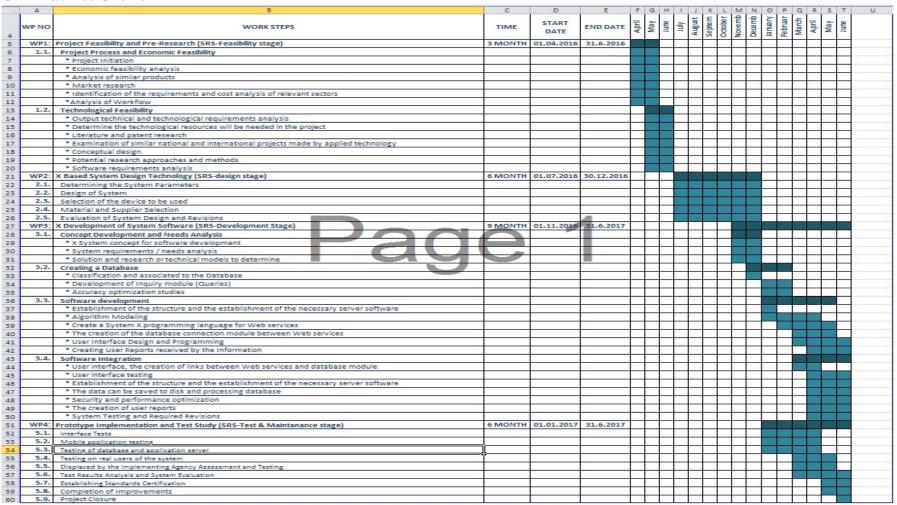
1- Describe
o differences
o advantages
superiority
compared to other similar projects.

B.4.1

2- Who	can contribute to this project in your team?
Examp	e:
0	Project Manager
0	System Designer
0	

C.1 Gantt Chart and Work Packages

C.1.1 Gantt Chart



C.1.2 List of Work Packages

Work Package No	1
Work Package Name	Project Feasibility and Pre-Research (Feasibility Analysis)
Start-End Date and Time	
Related Organizations	

1- List the activities of work packages.
1.1 Project Process and Economic Feasibility:
1.2 Technological Feasibility:
2- Describe the methods and parameters that will be used for work package.
3- List the experiments, tests and analysis in the work package.
A list the autout of work periods and its average without
4- List the output of work package and its success criterias.
Outputs:
Success Criterias:
5- Explain the relation of output with other work packages

Work Package No	2
Work Package Name	Based System Design Technology (Analysis & Design stage)
Start-End Date and Time	
Related Organizations	

4 Hattha antidition of made and an allegations
1- List the activities of work packages.
2- Describe the methods and parameters that will be used for work package.
3- List the experiments, tests and analysis in the work package.
List the experiments, tests and analysis in the work package.
4- List the output of work package and its success criterias.
Outputs:
·
Success Criterias:
Success Criterias:
5- Explain the relation of output with other work packages

Work Package No	3
Work Package Name	Development of System Software (Development Stage)
Start-End Date and Time	
Related Organizations	

1 List the estivities of work posteros
1- List the activities of work packages.
2. Describe the methods and negatives that will be used for week neckage
2- Describe the methods and parameters that will be used for work package.
3- List the experiments, tests and analysis in the work package.
4- List the output of work package and its success criterias.
4- List the output of work package and its success criterias.
Outputs:
Success Criterias:
5- Explain the relation of output with other work packages

Work Package No	4
Work Package Name	Prototype Implementation and Test Study and Maintenance
	(Test & Maintenance stage)
Start-End Date and Time	
Related Organizations	

1- List the activities of work packages.
2- Describe the methods and parameters that will be used for work package.
3- List the experiments, tests and analysis in the work package.
4- List the output of work package and its success criterias.
Outputs:
Outputs.
Success Criterias:
Success Circeitas.
5- Explain the relation of output with other work packages
2 Explain the relation of output with other work puckages

C.1.3 List of Milestones (should be matched in the Gantt chart)

	Description of Output	Expected Time Interval				
Example:	Feasibility Studies	01.07.2014 - 30.09.2014				
1						
2						
3						
4						
5						
6						
7						

C.1.4 List of Risks (see following example, find other risks of your Project!)

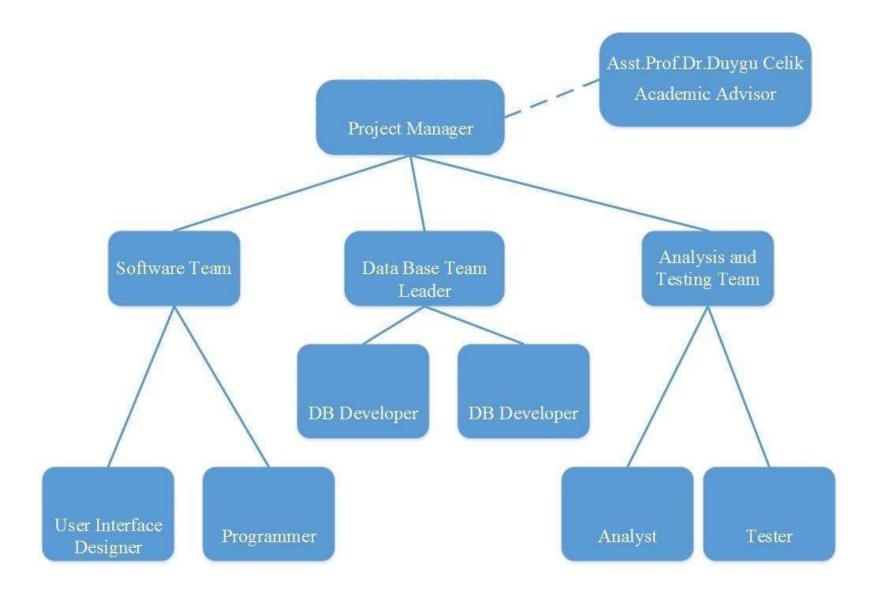
Risk	Probability	Effects	Your Strategy
The time required to develop the software is underestimated.	High	Serious	?
Software tools cannot work together in an integrated way.	High	Tolerable	?
Customers fail to understand the impact of requirements changes.	Moderate	Tolerable	?
The rate of defect repair is underestimated.	Moderate	Tolerable	Replace potentially defective components with more reliable bought-in components.
The size of the software is underestimated.	High	Serious	Investigate buying sw components; Investigate use of a program generator.
Code generated by code generation tools is inefficient.	Moderate	Insignificant	
Key staff are ill at critical times in the project.	Moderate	Serious	Reorganize team so that there is more overlap of work and people therefore understand each other's jobs.
The database used in the system cannot process as many transactions per second as expected.	Moderate	Serious	Investigate the possibility of buying a higher-performance database.

C.2 Project Management and Organization

C.2.1 Project Team

Personnel Name	Title	ID	Education Status	Graduation Date	Date of Starting Work	Idea Owner

C.2.2 Organization Scheme (an example is given below!)



D.1 Economic Forecasts

1- Evaluate the commercialization potential of p	roject outcomes. List possible risks here?
2- List your expectations to your team which are	come by your project
Time-to-market (month):	come by your project
The expected increase in sales revenue (%):	
The expected increase in market share (%):	
Time to start to gain:	
D.2 National Outcomes	
4. Court the control that we have been been been been been been been be	
1- Specify the output that may be subject to pate	ent, utility model and industrial design
registration in the project.	
2- Explain the potential of project and its output	s that may have an offset an social life
education, health and etc.	s that may have an effect on social me,
education, nearth and etc.	
3- Explain the positive and negative effects of pr	oject outputs for environment and human
being.	

(M013) Instrument / Equipment / Software / RELEASE PURCHASES

Proje	ect Name									
Line no	Equipment / Software	No.	Capacity	Technical specification	Purpose of Project Activities	Post-Project Place of Use / Purpose		Unit Price (USD)	Unit Price (TL)	Total Amount (TL)
110	/ Publication Name	Item		Specification	Activities	R & D	Production	(035)		(12)
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
									TOTAL	Т

(M030) Quarterly Estimated Cost Form (TL)

Project Name :					
Cost Item	YEA	TOTAL	TOTAL COST RATE OF		
Cost item	1	II	(TL)	CONTENTS (%)	
Personnel					
Travel					
Instrument / Equipment / Software / Publications					
Domestic Works Made By R & D and Testing					
Institutions					
International Works Made By R & D and Testing					
Institutions					
Domestic Services Procurement					
Overseas Service Procurement					
Material					
TOTAL COST				100	
CUMULATIVE COST				100	
	IN THE PR	OJECT TOTAL MAN-MONTH			

APPENDIX

- 1- Perform estimation of effort (Man/month), required total time duration and required number of team members by using COCOMO approach (or other methods are possible).
- 2- CPM (Critical Path Management) analysis by using PERT (defining paths)
- 3- Creating network diagram of the main tasks in WBS
- 4- Calculating probability of successful completion rate for each paths
- 5- Crashing approach, etc. techniques and the results can be written here.