Software Project Management Plan
for
Speech to 3D Scene Generation

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Contents

Chapter 1

Introduction

1.1 Product overview

The purpose of the software is to provide a better way for personnel form various industries like creative, corporate and education to present or impart knowledge in a better, more representative, and a more attractive way. As mentioned, the software is targeted for all kinds of professionals and students who are willing to make any kind of a presentation. The expected date for delivery is by 16th March, 2019

1.2 Project Deliverables

Delivery ID.	Deliverables/work products.	Delivery Date
D1.	SRS document which specifies the requirements for project.	30th Sept..
D2.	SPMP Document specifying over all planning and specifying the estimation.	30th Sept.
D2.	SDD Document specifying the designing of system.	5th Oct.
D2.	STD Document specifying the test cases and related information.	14th Oct.
D3.	UML diagrams.	31st Oct.
D4.	UI.	10th Nov.
D5.	Modules.	10th Jan.
D6.	Functional Prototype.	20th feb.
D7.	Application.	16th March.
D8.	Test Report.	25th March.

Chapter 2

PROJECT ORGANIZATION

2.1 Software Process Model

Prototyping model

The chosen process model is Prototyping model. The Prototyping Model is a systems development method (SDM) in which a prototype (an early approximation of a final system or product) is built, tested, and then reworked as necessary until an acceptable prototype is finally achieved from which the complete system or product can now be developed. This type of working is essential in our project because all the functional requirements need to be tested as a priority. Another important reason behind choosing this model is to make sure that at the end of the day the users get what they want. The software will be modified and updated until the end-game is achieved and the user is completely satisfied.

2.2 Roles and Responsibilities

Roles	Responsibilities
Team Leader	Manage all the tasks and schedules the deadline
Project Manager	Requirement gathering and coordination of various events.
Front-end Developer	Development of user friendly user interface.
Back-end Developer	Development and linking of various backend modules.
Tester	Tests all the modules using software testing tools and techniques.

2.3 Tools and Techniques

1. Texworks to prepare project related documents.
2. IBM Rational Rose for Designing UML Diagrams]
3. PyCharm for python programming.

Chapter 3

Project Management Plan

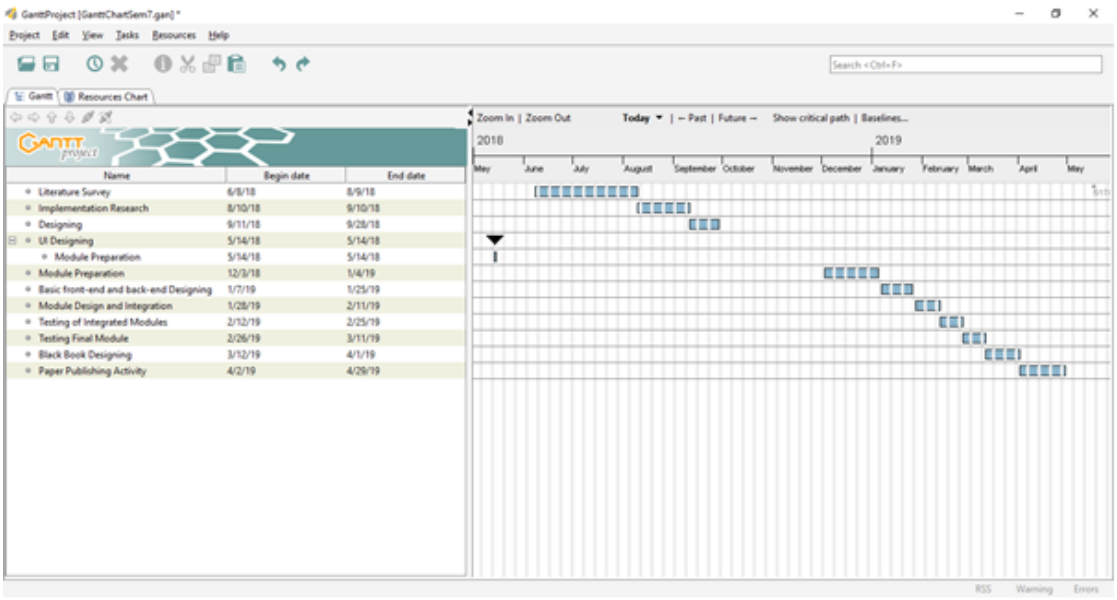
3.1 Tasks

Tasks	Deliverables and Milestones	Resources needed	Dependencies and constraints
Gather Requirements .	SRS document which specifies the requirements for project.	Latex Editor	Users Approval
Confirmation of idea	SRS document specifies the functional and non-functional requirements.	Latex Editor	Stakeholders approval.
Planning	SPMP Document specifying over all planning and specifying the estimation.	Latex Editor.	Stakeholders and users involvement.
Content Audit.		Content Analysis Tool.	Evaluating content elements and information assets
Visual Design.	UI.		
Model Designing.	UML diagrams	IBM Rational Rose.	Approval from RTO.
Prototype Development.	Functional Prototype		Creating a basic functional prototype
Programming and Re-Engineering.	Modules.	Python IDE, Libraries, packages.	Gather end user feedback and alter if needed.
Linking.	Application.	Python IDE.	
Testing .	Test Report.	Unit Testing tools.	Constructed classes and various modules of the project.
Modification .			Approval of tester and end user.

3.2 Risk Table

Risks	Category	Impact	Contingencies
Late Delivery	BU	2	Justification.
Computer Crash	TI	1	Accessing backups.
Technology will not Meet Expectations	TE	1	Taking feedback and modification.
Deviation from Software Engineering Standards	PI	3	Slight modifications if necessary.
Lack of Database Stability	TI	2	Making sure of a reliable database like Google 3D Warehouse.
Poor Comments in Code	TI	4	Separate manual for developers.
Users Disapproval	CRR	1	Using prototyping model.
Changes in Requirements	PS	2	Using prototyping model.
No internet connection	TI	2	

3.3 Timetable


GanttProject [GanttChartSem7.gan] *
Project Edit View Tasks Resources Help
Search <Ctrl+F>
Gantt Resources Chart
Zoom In | Zoom Out
Today | ← Past | Future →
Show critical path | Baselines...
2018
2019
May June July August September October November December January February March April May
Name Begin date End date
Literature Survey 6/8/18 8/9/18
Implementation Research 8/10/18 9/10/18
Designing 9/11/18 9/28/18
UI Designing 5/14/18 5/14/18
Module Preparation 5/14/18 5/14/18
Module Preparation 12/3/18 1/4/19
Basic front-end and back-end Designing 1/7/19 1/25/19
Module Design and Integration 1/28/19 2/11/19
Testing of Integrated Modules 2/12/19 2/25/19
Testing Final Module 2/26/19 3/11/19
Black Book Designing 3/12/19 4/1/19
Paper Publishing Activity 4/2/19 4/29/19
RSS Warning Errors