Speech Recognition System in Cars

Project Milestone

TEAM 9	
NAME	**ASU ID**
Salil Batra	1207687659
Anant Srivastava	1209427008
Bhumika Mohan	1209374657
Chaoyi Fu	1209682471
Sagar Shivakumar	1209339829
Shujian Ke	1209577223
Siddharth Sivakumaran	1209381417
Monosrija Maity	1209381521

Milestones	Date	Status	Responsible	Comments
INITIATING				
Candidate Evaluation and Comparison	2/15/2016	Complete	All members	This was the initial meeting after the formation of our team. In this meeting we came to know each other and discussed our areas of expertise and voted our Project manager.
Project Team Formation	2/15/2016	Complete	All members	
PM candidates self recommendation	2/15/2016	Complete	All members	
Team Member Vote	2/15/2016	Complete	All members	
Creating project charter	3/2/2016	Complete	Anant Srivastava Bhumika Mohan Salil Batra Monosrija Maity	We then started working on the Project Charter, our first deliverable.
Study and Evaluation of available Speech Recognition Softwares				
Dragon Software Evaluation	2/22/2016	Complete	Bhumika Mohan Anant Srivastava	Analysis of the available software was done during this phase. We divided ourselves into groups of 2 and studied and evaluated each of them. At the end we decided to build our software using CMU Sphinx.
IBM Watson Evaluation	2/22/2016	Complete	Chaoyi Fu Siddharth Shivakumaran	
Simon Library Evaluation	2/22/2016	Complete	Bhumika Mohan Sagar Shivakumar	
Pocket Sphinx Library Evaluation	2/22/2016	Complete	Shujjan Ke Salil Batra	
PLANNING				
Planning the scope of the project and Identifying stakeholders .	3/21/2016	Complete	Bhumika Mohan Anant Srivastava	We met up to decide what all we wanted our software to do,how we were going to go about it,and how we planned on dividing our tasks.
Identifying the risks involved	3/21/2016	Complete	Monosrija Maity	
Defining the requirements of the project - User, system requirements	3/21/2016	Complete	Sagar Shivakumar	
Define activities	3/21/2016	Complete	Chaoyi Fu	This was an all

Sequence activities	3/21/2016	Complete	Salil Batra Monosrija Maity	member meeting where we finalised our activities and divided the tasks among each other.
Estimate activity resources and durations	3/21/2016	Complete		
Develop schedule	3/21/2016	Complete		
Create WBS	3/23/2016	Complete	Monosrija Maity Shujjan Ke	WBS creation and presentation along with the scope statement.
Create WBS dictionary	3/23/2016	Complete	Monosrija Maity Siddharth Shivakumaran Sagar Shivakumar	

EXECUTING

DESIGN

UI design	3/28/2016	Complete	Monosrija Maity Chaoyi Fu Salil Batra Siddharta Shivakumaran	We had utilised the last week of march to design our speech recognition software.
command layout design	3/28/2016	Complete	Anant Srivastava	
design UI function call	3/28/2016	Complete	Shujjan Ke	
Design the interface between UI and the library	3/30/2016	Complete	Chaoyi Fu	
Design the interface between the analysis layer and the library	3/30/2016	Complete	Chaoyi Fu Shujjan Ke	

IMPLEMENTATION

Implement the UI framework	4/11/2016	Complete	Salil Batra Chaoyi Fu Monosrija Maity Siddharta Shivakumaran	The first 2 weeks of April were utilised for development and unit testing
Implement the controls	4/11/2016	Complete	Shujjan Ke Sagar Shivakumar	
Implement the voice input function	4/13/2016	Complete	Anant Srivastava Chaoyi Fu	

TESTING				
Unit Test for UI functions	4/11/2016	Complete	Salil Batra Monosrija Maity Siddharta Shivakumaran	Unit testing was done along with the development phase
Unit Test for library interface	4/11/2016	Complete	Shujjan Ke	
Unit Test for semantic analysis	4/13/2016	Complete	Anant Srivastava Sagar Shivakumar	
Unit Test for response generation	4/13/2016	Complete	Anant Srivastava Chaoyi Fu	
System test for UI part	4/18/2016	Complete	Salil Batra Monosrija Maity Siddharta Shivakumaran	System Testing phase
System test for voice recognition part	4/18/2016	Complete	Shujjan Ke	
System test for response generation	4/18/2016	Complete	Anant Srivastava	
Integration Testing	4/20/2016	Complete	All members	Integration of all the individual components
ROLL OUT				
Deployment	4/25/2016	Complete	All members	Deployment and demo of working software
Provide user Documentation	4/25/2016	Complete	All members	
Monitoring and control				
Executing the risk management processes	4/27/2016	Complete	Monosrija Maity	We monitored the software and prepared the associated documents in the last of April
Monitor performance	4/27/2016	Complete	Anant Srivastava	
Status report	4/27/2016	Complete	Chaoyi Fu	
Progress report	4/27/2016	Complete	Salil Batra	
Closing				
Finalize the software	5/6/2016	Complete	All Members	Final software along with all the deliverables
Create user training Manual	5/6/2016	Complete	All Members	

Project report	5/6/2016	Complete	All Members	submitted on 6th May, 2016.
Consequent lessons learnt from the project	5/6/2016	Complete	All Members	