Group	**E**
Project Name	Insulin Glucagon Pump
Project Start Date	18-Nov-16
Project End Date	27-Jan-16
Group Members	Ankur Mehra,Hemanth Babu,Nikitha Guddekoppa Vishwanath,Prachi Agrawal ,Sujit Thonse

Requirements			**Design**		**Implementation**		**Testing**			
SR no.	**Techinical Assumption(s) / Requirement(s)**	**Technical Specification doc. Number/ Requirement ref. no.**	**Solution Delivery Status**	**Remark**	**Development Status**	**Remark**	**Test Case no.**	**Tested Date**	**Verification status**	**Approved Exlusion or comments**
1	Functional Requirement:The System should measure blood glucose level in the body at equal time intervals and depending on the readings obtained and the rate of change of the sugar level it should inject Insulin and/ or Glucagon to bring the glucose level within[1] 72-108 mg/dL.	HIS_SCS_T06_Ans1	Yes							
2	Functional Requirement: When blood glucose level goes above 108 mg/dL then system should be available to inject insulin.	HIS_SCS_T06_Ans1	Yes							
3	Functional Requirement: When blood glucose level goes below 72 mg/dL then system should system should be available to inject glucagon	HIS_SCS_T06_Ans1	Yes							
4	Safety Requirement:We need to specify the minimum and maximum limit of the dose for both the hormones i.e. Insulin and Glucagon.	HIS_SCS_T06_Ans1	Yes							
5	Safety Requirement:We also need to give the safety alarm system if content of insulin or glucagon goes beyond certain limit or the battery of the system goes down.	HIS_SCS_T06_Ans1	Yes							
6	Safety Requirement: We need to reset the system every 10 minutes.	HIS_SCS_T06_Ans1	Yes							
7	GUI Requirement: Power on/off button shall be displayed	HIS_SCS_T06_Ans1	Yes							
8	GUI Requirement:Two buttons to make a choice if the user wants to inject the insulin manually or automatic.	HIS_SCS_T06_Ans1	Yes							
9	GUI Requirement: We also need a screen which will display the total dosage that is injected.	HIS_SCS_T06_Ans1	Yes							
10	GUI Requirement: Battery status and other error messages to be signalled.	HIS_SCS_T06_Ans1	Yes							
11	GUI Requirement: Representation of the blood sugar level of the patient.	HIS_SCS_T06_Ans1	Yes							
12	GUI Requirement: Timer control: this controller is used to maximize/minimize time speed to draw graph.	HIS_SCS_T06_Ans1	Yes							
13	Functional Requirement:Medical problem: For some patients the manual operation is a helpful feature. For other patients a manual operation of the system must be prohibited because of safety reasons, e.g. patients suffering from dementia. For the last group the system must be configurable by a physician	HIS_SCS_T07								