# **Project Plan**

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| Phase | Analysis | Timeframe (2 Weeks) |
| Phase 1 | * Initial Project Discussion with the IS and AS to finalize the topic. * Preparing rough project proposal in group * Submitting the initial project proposal to the IS for verification * Preparation for the interview and survey * IS provides the list of tasks to be done on the weekly basis | 24/7/2016 - 6/8/2017 |
| Phase 2 | * Recreate the existing practical tests. * Testing the existing practical test with a new testing framework. * Drafting the final project proposal * Getting the project proposal approved | 7/8/2017 - 19/8/2017 |
| Phase 3 | * Performing sample tests * Getting the confirmation on the survey and interview questions. * Submitting the questions to IS and AS to finalize the questionnaire for survey and interview. * Getting Ethical clearance approved from the department through (Application for Ethical Approval of Student research projects, Student Research Participation Information Form, Model Consent Form for Research Involving Interviews) * Planning the survey place and date | 20/8/2017 - 03/9/2017 |
| Phase 4 | * Conducting Survey (Tech Cluster and IITP meeting) * Generating analysis for the survey * Comparing the results in different frameworks * Identifying the popular testing frameworks used | 03/9/2017 - 17/9/2017 |
| Phase 5 | * Creating Methodology essay * Learning different types of testing framework * Risk Analysis and Quality Assurance check | 17/9/2017 - 1/10/2017 |
| Phase 6 | * Learning on Few Testing Frameworks as required for the testing phase * Mocha – Chai (assert, expect, should) * Jasmine * Selenium   Cucumber   * Identifying the issues in current jasmine tool which is being used for the SE101 * Coding JavaScript for Jasmine automation * Testing and obtaining the accurate result for the testing frameworks used. | 1/10/2017 - 15/10/2017 |
| Phase 7 | * Providing necessary changes required for the SE101 CakeShop and Sanctuary Elephant example on Jasmine * Submitting the methodology essay first part * Submitting the half way report * Submission of Poster | 15/10/2017 - 27/10/2017 |
| Phase 8 | * Cake Shop example to work on Mocha – expect * Cake Shop example to work on Mocha – assert * Cake Shop example to work on Mocha – should * Survey online test | 27/10/2017 - 5/11/2017 |
| Phase 9 | * Triangle example on Jasmine * Triangle example on Mocha – expect * Triangle example on Mocha – assert * Triangle example on Mocha – should | 6/11/2017 - 10/11/2017 |
| Phase 10 | * Creation and submission of Final Report * Creation and submission of Methodology Essay * Creation Presentation for the Panel * Preparation for the panel * Final Panel(23/10/2017) | 10/11/2017 – 23/11/2017 |
| Phase 11 | * Continue with the Triangle example Jasmine , Mocha – ( expect, assert, should) * Complete the project by 30/11/2017 | 23/11/2017-30/11/2017 |