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| Internship Project Title | Programming and application |
| Project Title | Creating the online tour guide portal for domestic tourists |
| Name of the Company | TCS iON |
| Name of the Industry Mentor | Mr. Vinayak Bandyopadhyay |
| Name of the Institute | SASTRA Deemed To be University |

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| Start Date | End Date | Total Effort (hrs.) | Project Environment | Tools used |
| 09-06-2020 | 08-07-2020 | 120 | Django | VS code |
| Project Synopsis:  The Tour Guide helps the tourists in planning their tour of a completely anonymous place he wants to explore. This website plans the tour such that the user can save more time in exploring maximum places rather than wasting time in reaching his destinations.  It takes the information such as location, the list of places the user wants to visit, the start and end place of the tour to make the plan. | | | | |
| Solution Approach:  Primarily, it takes the information about the location the user is in. Then it will show the list of places of attractions of that place from which the user can opt the places of his choice according to his priority. Then it takes the start and the end place of the tour. After making an analysis of the distances between all the places into account a route map with the path is displayed. | | | | |
| Assumptions:  The places do exist.  The maps shown by google are accurate and correct.  The user follows the instructions correctly. | | | | |
| Project Diagrams:  Use case Diagram:    Activity Diagram:    Sequence Diagram: | | | | |
| Algorithms:  Simple path finding algorithm are used. | | | | |
| Outcome:  The user selects the places that he tends to visit. We process his selections and use google API to fetch results. The results thus fetched are displayed using maps. | | | | |
| Exceptions considered:  We have used the exceptions in the cases where we cannot fetch the results due to   * Incorrect selection of option. * No data connection. * Server Failure. | | | | |
| Enhancement Scope:  The project can be extended to create an app.  The search results can be optimized . | | | | |
| Link to Code and executable file:  <https://drive.google.com/drive/folders/1u2Fpa4fBYwXifLJqluyE-BbGgFObfhj_?usp=sharing> | | | | |