

Project Management Document

Data Analytics Platform



Prepared by Group : 12

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|-----------|--------------------|
| 201901020 | - Kamal Tulsiyani |
| 201901050 | - Meetkumar Mungra |
| 201901131 | - Bhavya Solanki |
| 201901134 | - Gautam Ajugiya |
| 201901170 | - Shyam Butani |
| 201901288 | - Vin Patel |



Dhirubhai Ambani Institute of Information and
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Reporting TA: Anshul Bhaware (202117003)

Date: April 29, 2022

Version 3.0

Start Date: March 7, 2022 End Date: May 13, 2022

1. Activity list (Estimate time for each activity. Mention probable dates.)

| Activity | Estimate time/dates |
|--|---------------------------------|
| Reading relevant background information | March 08, 2022 - March 15, 2022 |
| Understanding and documenting the requirements | March 16, 2022 - March 22, 2022 |
| Discussions | March 23, 2022 - March 24, 2022 |
| Designing a solution, documentation | March 25, 2022 - March 31, 2022 |
| Relevant learning | April 01, 2022 - April 07, 2022 |
| Coding and unit testing | April 07, 2022 - April 20, 2022 |
| Documentation | April 21, 2022 - April 23, 2022 |
| Testing | April 24, 2022 - April 25, 2022 |
| Reviews | April 26, 2022 - April 28, 2022 |
| Re-work and debugging | April 29, 2022 - May 07, 2022 |

2. Project Plan: For each activity, your estimated start date, end date, responsible person(s).

| Activity | Estimate time/dates | Responsible Person |
|--|---------------------------------|---|
| Understanding and documenting the requirements | March 16, 2022 - March 22, 2022 | Kamal Tulsiyani Meet Mungra Bhavya Solanki Vin Patel |
| Discussions | March 23, 2022 - March 24, 2022 | Kamal Tulsiyani Meet Mungra Bhavya Solanki Gautam Ajugiya Shyam Butani Vin Patel |
| Designing a solution, documentation | March 25, 2022 - March 31, 2022 | Gautam Ajugiya Shyam Butani |
| Relevant learning | April 01, 2022 - April 07, 2022 | Kamal Tulsiyani Bhavya Solanki Gautam Ajugiya Shyam Butani Vin Patel |
| Business model Development | April 08, 2022 - April 10, 2022 | Kamal Tulsiyani Meet Mungra Bhavya Solanki Gautam Ajugiya Shyam Butani Vin Patel |
| Coding of the Software (Web Application) | April 11, 2022 - April 24, 2022 | Meet Mungra Gautam Ajugiya Shyam Butani |
| Unit testing of the software | April 25, 2022 - April 26, 2022 | Bhavya solanki Kamal tulasiyani Shyam butani |
| Documentation | April 27, 2022 - April 28, 2022 | Kamal Tulsiyani |

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|-----------------------|---------------------------------|---|
| | | Meet Mungra Bhavya Solanki |
| Reviews | April 29, 2022 - April 30, 2022 | Kamal Tulsiyani Meet Mungra Bhavya Solanki Vin Patel |
| Re-work and debugging | May 01, 2022 | Gautam Ajugiya Shyam Butani |

3. Testing Strategy:

(a) For each requirement, test transactions, expected results

| requirement | test transactions | expected results |
|-------------------------------------|---|---|
| User login and verification | <ul style="list-style-type: none"> - Login id should be matched in user database - Password should be matched in user database | After successful verification of user id and password, the user should be logged to home page automatically |
| Business strategy report generation | <ul style="list-style-type: none"> - Successful submission of the input file - High accurate prediction - Simplified report should be generated for data | Software should generate a report which gives meaningful strategies and not garbage report |
| Free trial business model | <ul style="list-style-type: none"> - User can use software for 1 week for free of cost - After the free trial user must have to | Analytica will track user's membership duration. It will also provide reminders to users about their |

| | | |
|--|--|--|
| | buy any subscription plan to use software - subscription plan duration tracking | memberships |
| Automatic email generation (for important reminders) | - email id should be first verified - automatic report will be sent to client | Email should be sent to only matched clients. Broadcast mails should be there too. |
| Online Payment and software paid subscription | - Use various platforms for transactions | Transactions should be successful on every platform |

Schedule: 24 April

Responsible Person: Gautam Ajugiya

(b) Test cases for the design

- Few different id passwords for login feature testing
- Dummy data generated from the website, will be used as test cases for strategy report generation feature
- Dummy transactions will be performed for online payment verification
- Automatic email notification is checking through dummy email id
- Subscription plans duration check by first keeping duration small(1 day or half-day)

Schedule: 25 April

Responsible Person: Meet Mungra, Bhavya Solanki

(c) Test cases & expected results for integration

i. Module integration

- Whole flow will be tested with a dummy user (virtual user)

Schedule: 25 April

Responsible Person: Vin patel

ii. User Interface integration

- Prototype testing will be done for user interface validation
- Different selected users will perform prototype testing

Schedule: 25 April

Responsible Persons: Kamal Tulsiyani, Shyam Butani

(d) Test data, expected results for unit testing

Test data:

<https://github.com/Analytica-DAIICT/Analytica/tree/main/Testing%20data>

Expected Results:

<https://github.com/Analytica-DAIICT/Analytica/tree/main/Testing%20-%20Expected%20Output>