**API DOCUMENTATION**

**REPORT GENERATION**

**Task Number: TMS-29**

**Aim: To create API for Generate report by utilizing bills got weekly, monthly, yearly and giving different level of access to the roles.**

**Purpose: The purpose of generating reports by utilizing bills on a weekly, monthly, and yearly basis while assigning different access levels to roles is to provide tailored insights, ensure secure data access, and support effective financial management.**

**1.First API end point: Here we can access the first url in app urls.py to generate the reports**

**Request**

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | api/trip-reports/ |

**Response**

|  |  |
| --- | --- |
| **Status** | **Response** |
| 400 | { "error": "Please provide both from and to dates."} |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| GET | From  to | Values(from date)  Values(to date) |

|  |  |
| --- | --- |
| **Status** | **Response** |
| 400 | { "error": "Invalid date format. Use YYYY-MM-DD."} |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| GET | From  to | 2024-01-01  2024-12-01 |

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | {  "total\_amount": 208155.0,  "total\_trips": 13,  "bills": [  {  "id": 1,  "bill\_id": "BI20240727140928TYVE",  "amount": 40000.0,  "bill\_date": "2024-07-27T08:39:53Z",  "kilometers": 0.0,  "rate": "0.00",  "report\_type": "daily",  "company\_report\_type": "summary",  "access\_level": "admin",  "report\_type\_value": 0.0,  "trip\_id": 1,  "vehicle\_id": 1,  "driver\_id": 1  }  ]  } |

**Conclusion: Generating reports by utilizing bills on weekly, monthly, and yearly intervals with role-based access ensures comprehensive financial analysis and secure data management tailored to user responsibilities.**