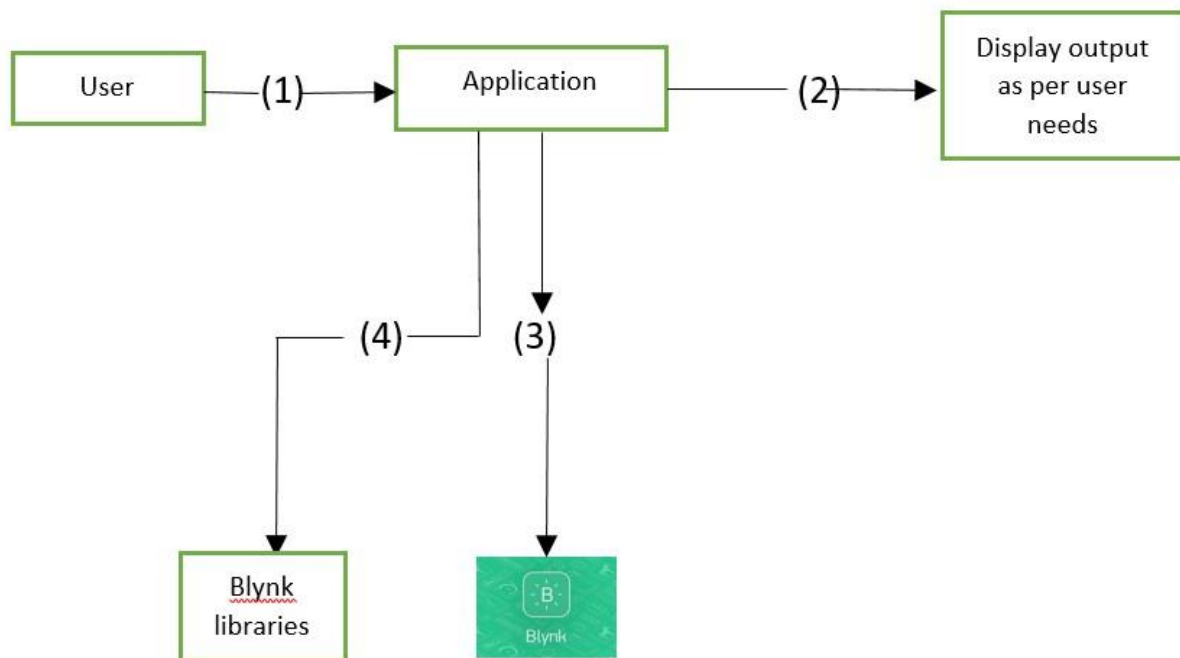


**Project Design Phase-II**  
**DATA FLOW DIAGRAM AND USER STORIES**

|               |   |
|---------------|---|
| Date          | 27th October 2022                                     |
| Team ID       | PNT2022TMID34030                                      |
| Project Name  | Smart waste management system for metropolitan cities |
| Maximum Marks | 4 Marks   |

**Data Flow Diagrams:**



1. User configures credentials for the Blynk app and starts the app.
2. User selects the needed information in the app.
3. Blynk app links with hardware that extracts output from the hardware product.

4. Valid real time data is displayed in the output by Blynk server .

**User Stories :**

| User Type              | Functional Requirement (Epic) | User Story Number | User Story / Task   | Acceptance criteria                                       | Priority | Release  |
|------------------------|-------------------------------|-------------------|---|---|----------|----------|
| Customer (Mobile user) | Registration                  | USN-1             | As a user, I can register for the application by entering my email, password, and confirming my password. | I can access my account / dashboard                       | High     | Sprint-1 |
|                        |                               | USN-2             | As a user, I will receive confirmation email once I have registered for the application                   | I can receive confirmation email & click confirm          | High     | Sprint-1 |
|                        |                               | USN-3             | As a user, I can register for the application through Facebook  | I can register & access the dashboard with Facebook Login | Low      | Sprint-2 |
|                        |                               | USN-4             | As a user, I can register for the application through Gmail   |   | Medium   | Sprint-1 |
|                        | Login                         | USN-5             | As a user, I can log into the application by entering email & password                                    |   | High     | Sprint-1 |

|  |           |       |                                  |                          |      |         |
|--|-----------|-------|----------------------------------|--------------------------|------|---------|
|  | Dashboard | USN-6 | As a user,I can view the garbage | I can use this dashboard | High | Sprint1 |
|--|-----------|-------|----------------------------------|--------------------------|------|---------|

|  |  |       |  |   |      |         |
|--|--|-------|--|---|------|---------|
|  |  |       | storage level.   | to see th garbage level as it provides genuine result for our clean environmen t. |      |         |
|  |  | USN-7 | As a user,I can see the nearer garbage collectors location phone number for any queries contact, notification bar. | I can view the nearest garbage collector loaction.                                | High | Sprint1 |

|                        |  |       |  |  |      |         |
|------------------------|--|-------|--|--|------|---------|
|                        |  | USN-8 | As a user ,I can view the contact number of nearest garbage collector and wanted garbage location areas contact number also available for any queries. | I can access the contact number .                            | Low  | Sprint2 |
|                        |  |       |  |  |      |         |
|                        |  | USN-9 | As a user ,I can view the notification bar if I missed to consider the garbage activities.   | I can view the notification they will notify real time datas | High | Sprint1 |
| Customer<br>(Web User) |  | USN10 | As a user,I can make a query or related doubts to the web developer as message option is available   | I can make query related issues                              | High | Sprint1 |

|                         |  |       |   |  |      |         |
|-------------------------|--|-------|---|--|------|---------|
| Customer care executive |  | USN11 | Customer care number is provided in the dashboard | I can make a call to customer care                         | Low  | Sprint2 |
| Administrator           |  | USN12 | As a admin, I can view the attacker details       | I was notified at the time of admin dealing with attacker. | High | Sprint1 |