Project Design Phase-II
Third Party API's

Team ID	PNT2022TMID02723
Project Name	PLASMA DONOR APPLICATION

SENDGRID

What is SendGrid?

SendGrid is a cloud-based SMTP provider that allows you to send email without having to maintain email servers. SendGrid manages all of the technical details, from scaling the infrastructure to ISP outreach and reputation monitoring to whitelist services and real time analytics.

Send Email From Your Application:

SendGrid provides two ways to send email: through our SMTP relay or through our Web API. SendGrid provides client libraries in many languages. This is the preferred way to integrate with SendGrid. If you choose to use SendGrid without a client library, the Web API is recommended in most cases as it is faster, provides some benefit with encoding, and tends to be easier to use. SMTP provides many features by default, but is harder to setup.

Web API:

- ✧ The Web API has some advantages over SMTP:
- ✧ If your ISP blocks all outbound mail ports and your only option is HTTP.
- ✧ If there is high latency between your site and ours, the Web API might be quicker since it does not require as many messages between the client and server.
- ✧ If you do not control the application environment and cannot install and configure an SMTP library.
- ✧ If you build a library to send email, developing against a web API provides quicker development

SMTP Relay:

- ✧ If you are integrating SendGrid with an existing application, setting up the   application to use our SMTP relay
- ✧ is easiest, as it only requires modifying SMTP configuration.
- ✧ Change your SMTP username and password to your SendGrid credentials
- ✧ Set the server host name to smtp.sendgrid.net
- ✧ Use ports 25 or 587 for plain/TLS connections and port 465 for SSL connection