




Blood Donation Project



2016-2017



Blood donation is required during an organ transplant, accidents, cancer treatment etc. For blood donation, one needs to check for a donation camp or needs to visit a blood bank. The Manual Blood donation system has many disadvantages which include, it being too time-consuming, often leading to error-prone results, consuming a lot of workforces, lacking donor information, retrieval of data takes much time, and percentage of accuracy is less. In the time of emergency, it becomes difficult to approach the right donor. Rare blood groups are not available all the time at all blood banks and recipients find difficulties to track the right blood donor. To overcome this problem, Nevon Projects has proposed a system.

There are many blood donation management systems,

but these systems only maintain the information of blood banks and donors. But Nevon projects has proposed a system which not only maintains the information of blood banks, but also maintains information of blood camps which makes blood transfusion process easier. This online blood donation management system maintains the list of blood donors and also helps the recipients to track and search the right donor easily. It has two modules namely Admin and User. Admins can add hospitals having blood banks and can also add various blood donation camps.

He/she can also check for blood requests and in case of emergency he/she can send notifications to blood donors as per the requirements. Users can register and make a request. Users can also register as a donor. Donors can check for Blood camps and hospitals for blood donation and will be getting notifications in case of emergency. They can either accept or ignore it. This project aims at maintaining all information regarding blood donors, different blood groups available in blood banks as well as blood camps and help them manage in a better way

ood Donation System Project

Msc-IT Projects, IT Projects

Project Document/Synopsis

ring an organ transplant, accidents, cancer
ation, one needs to check for a donation camp or
e Manual Blood donation system has many
, it is too time consuming, often leads to error
f manpower, lacks donor information, retrieval of
ntage of accuracy is less. In the time of
ult to approach the right donor. Rare blood
e time at all blood banks and recipients find
lood donor. To overcome this problem, Nevon
m. There are many blood donation management
ly maintain the information of blood banks and
as proposed a system which not only maintains
ks, but also maintains information of blood camps
n process easier. This online blood donation
s the list of blood donors and also helps the

```
<div class="hfeed site" id="page">
  <header class="site-header header-main-layout-1 ast-primary-menu-enabled ast-hide-custom-men
u-mobile ast-builder-menu-toggle-icon ast-mobile-header-inline" id="masthead" itemtype="htt
ps://schema.org/WPHeader" itemscope="itemscope" itemid="#masthead">...</header>
  <!-- #masthead -->
  <div id="content" class="site-content">
    <div class="ast-container">
      <div id="primary" class="content-area primary">
        <main id="main" class="site-main">
          <article class="post-26492 post type-post status-publish format-standard hentry cate
gory-bepro category-itpro ast-article-single" id="post-26492" itemtype="https://sche
ma.org/CreativeWork" itemscope="itemscope">...</article>
          <!-- #post-## -->
          <nav class="navigation post-navigation" role="navigation" aria-label="Posts">...</nav>
          <div class="ast-single-related-posts-container">...</div>
          <div id="comments" class="comments-area">
            <div id="respond" class="comment-respond">
              <h3 id="reply-title" class="comment-reply-title">...</h3>
              <form action="https://nevonprojects.com/wp-comments-post.php" method="post" id="a
st-commentform" class="comment-form">...</form> == $0
            </div>
            <!-- #respond -->
          </div>
          <!-- #comments -->
        </main>
        <!-- #main -->
      </div>
      <!-- #primary -->
      <div class="widget-area secondary" id="secondary" itemtype="https://schema.org/WPSideBa
r" itemscope="itemscope">...</div>
      <!-- #secondary -->
    </div>
    <!-- ast-container -->
  </div>
  <!-- #content -->
  <footer class="site-footer" id="colophon" itemtype="https://schema.org/WPFooter" itemscope=
"itemscope" itemid="#colophon">...</footer>
  <!-- #colophon -->
</div>
```

Filter

```
element.style {
}

*, :after, :before
  box-sizing: inheri
}

form {
  display: block;
  margin-top: 0em;
}

Inherited from body.p

body {
  --wp--preset--co
  --wp--preset--co
    #abb8c3;
  --wp--preset--co
  --wp--preset--co
  --wp--preset--co
  --wp--preset--co
    #fff6900;
  --wp--preset--co
    #fcb900;
  --wp--preset--co
    #7bdc5;
  --wp--preset--co
    #00d084;
  --wp--preset--co
    #8ed1fc;
  --wp--preset--co
    #0693e3;
  --wp--preset--co
    #9b51e0;
  --wp--preset--co
    var(--ast-g
  --wp--preset--co
    var(--ast-g
  --wp--preset--co
    var(--ast-g
  --wp--preset--co
    var(--ast-g
  --wp--preset--co
    var(--ast-g
```

❖ **Modules:**

The system comprises of 3 major modules with their sub-modules as follows:

1. **Admin:**

- Add hospital: Admin can add hospitals and blood donation camps.
- View list: Admin can view the list of camps and hospit
- View donors (filter by area & blood group)
- Check Request
- Send notification as per requirements

2. **User:**

- Register

- Create Blood Request
- Register as Donor
- View Camps / Hospital
- View Blood Request (accepts/deny)

Project Lifecycle:

Description

The waterfall Model is a linear sequential flow. In which progress is seen as flowing steadily downwards (like a waterfall) through the phases of software implementation. This means that any phase in the development process begins only if the previous phase is complete. The waterfall approach does not define the process to go back to the previous phase to handle changes in requirement. The waterfall approach is the earliest approach that was used for software development.

Software Requirements:

- Windows 7 or higher
 - Python

Django framework

- Mysql database

Hardware Components:

- Processor-Core i3
- Hard Disk-160 GB
- Memory 1GB RAM

❖ **Advantages**

- Recipients can get blood easily.
- In case of emergency, if the blood group is rare, he/she can find for the certain blood group donor.
- Donors can also donate blood easily by checking the list of blood donation camps.

❖ **Limitation**

- It requires active internet connection.
-