# IOT ENABLED SMART FARMINGAPPLICATION SPRINT DELIVERY – 4

# **PROGRAM**

```
<!DOCTYPE html>
<a href="html">html lang="en">
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-</pre>
scale=1.0">
 <link rel="stylesheet" href="css/bootstrap.min.css">
 link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
  link
href="https://fonts.googleapis.com/css2?family=Courgette&fam
ily=Inter:wght@100;200;300;400;500;531;600;700;800;900&fa
mily=Lobster&family=Montserrat:wght@1,500;600;700&famil
y=Oxygen:wght@300;400;700&family=Raleway:ital,wght@0,1
00;0,500;1,400;1,500&family=Roboto:ital,wght@0,400;1,700;1,
900&display=swap" rel="stylesheet">
  k rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/animate.css/4.0.0/an
imate.min.css"/>
  <link href="css/ekko-lightbox.css">
  <link rel="stylesheet" href="css/style.css">
 <title>Document</title>
```

```
<style>
  .bg-img {
  background-image: url('images/main picture.jpg');
  height: 100vh;
  width: 100vw:
  position: relative;
  background-position: center;
  background-repeat: no-repeat;
  background-size: cover;
 </style>
</head>
<body>
 <!-- Navbar -->
 <nav class="navbar navbar-expand-md navbar-light shadow-
sm">
  <div class="container">
   <a class="navbar-brand" href="index.html">
    <img class="img-responsive" src="images/Example</pre>
logo.png" alt="Logo">
   </a>
   <button class="navbar-toggler" type="button" data-</pre>
toggle="collapse" data-target="#collapsibleNavbar">
    <span class="navbar-toggler-icon"></span>
```

```
</button>
  <div class="collapse navbar-collapse"</pre>
id="collapsibleNavbar">
   cli class="nav-item">
     <a class="nav-link active" href="index.html">Home</a>
    </1i>
    <a class="nav-link" href="store.html">Store</a>
    <a class="nav-link" href="factories.html">Factories</a>
    <a class="nav-link" href="team.html">Team</a>
    <a class="nav-link" href="partners.html">Partners</a>
    cli class="nav-item">
     <a class="nav-link" href="contact.html">Contact</a>
    </u1>
  </div>
```

```
</div>
<!-- /container -->

</nav>
<!-- /Navbar -->
```

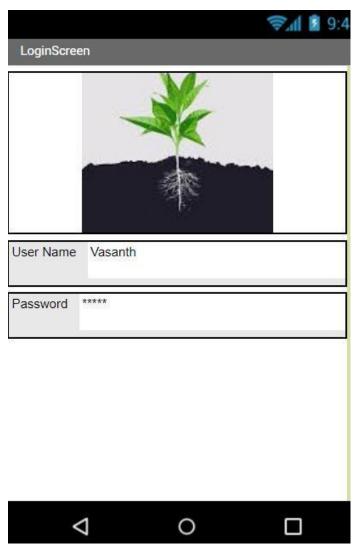
```
<!-- Main content -->
<!-- background image -->
<div class="bg-img">
 <div class="overlay">
   <!-- Home page content -->
 <div class="home-page-content">
  <h1 class="text-center home-page-text h1-responsive">Neo's
Agriculture</h1>
  <h5 class="text-center home-supporting-text">Bringing you
the freshest produce in the land</h5>
  <div class="home-buttons text-center fadeIn">
   <a href="services.html"> <div class="btn homepage-btn-1">
btn-lg mt-2">Services</div></a>
  </div>
 </div>
 <!--/Home page content -->
 </div>
 <!-- /bg-img -->
```

```
</div>
<!-- /view -->
```

```
<!-- /main content -->
```

```
<script src="js/ekko-lightbox.min.js"></script>
  <script src="js/main.js"></script>
  </body>
  </html>
```

# OUTPUT:





# Advantages & Disadvantages Advantages:

- Farms can be monitored and controlled remotely.
- Increase in convenience to farmers.
- Less labor cost.

## Disadvantaes:

- Added cost of internet and internet gateway infrastructure.
- Farmers wanted to adapt the use of Mobile App.

## Conclusion

Thus the objective of the project to implement an IoT system in order to helpfarmers to control and monitor their farms has been implemented successfully.

# Bibliography

IBM cloud reference: https://cloud.ibm.com/

IoT simulator: https://watson-iot-sensor-

simulator.mybluemix.net/OpenWeather:

https://openweathermap.org/