

INNOVATIVE PRODUCT DEVELOPMENT - 2

on

POST INFLUX

A Innovative product development report submitted in partial fulfillment of the requirements
for the degree of Bachelor of Technology in Information Technology

by

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MALLA REDDY ENGINEERING COLLEGE FOR WOMEN

Autonomous Institution, UGC, Govt. of India

Accredited by NBA & NAAC with 'A' Grade

NIRF Indian Ranking, Accepted by MHRD, Govt. of India

Band-A (6-25th) National Ranking by ARIIA, Accepted

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9001:2015 Certified Institution Maisammaguda,

Dullapally(post), Secunderabad , TELANGANA

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DEPARTMENT OF INFORMATION TECHNOLOGY

CERTIFICATE

This is to certify that the Innovative Product Development embodies in this dissertation entitled '**Post Influx**' being submitted by '**G.Archana(20RH1A1262), K.Rashmika(20RH1A1276) and K.Spandana(20RH1A1296)**' for partial fulfillment of the requirement for the award of **Bachelor of Technology in Information Technology** , Malla Reddy Engineering College for Women(Autonomous), Maisammaguda, Secunderabad during the academic year 2022 – 2023.

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DECLARATION

We 'G.Archana (20RH1A1262), K.Rashmika (20RH1A1276), K.Spandana(20RH1A1296)' are students of 'Bachelor of Technology in Information Technology', Malla Reddy Engineering College for Women (Autonomous), Maisammaguda, Secunderabad, hereby declare that the work presented in this Project Work entitled "**Post Influx**" is the outcome of our own bona fide work and is correct to the best of our knowledge and this work has been undertaken taking care of Engineering Ethics. It contains no material previously published or written by another person nor material which has been accepted for the award of any other degree or diploma of the university or other institute of higher learning, except where due acknowledgment has been made in the text.

Date: -05-2023

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With regards and Gratitude

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ABSTRACT

This project is very useful for the study of java and interaction between Email and Computer program. This project report consists of basic idea of BULK mail receiving and sending through personal computer. This project basically support to busy people who want to save the time. We have provide easy interaction for user for adding new contact name & contact number. And also we can store information of that person. We have provide MySQL database for store information of the person. There are two types of BULK mail services Le Promotional and Transactional. We are mainly emphasis on promotional mails.

It is technology that enables the sending and receiving of mails between mobile phones. Electronic mail (e-mail) is a computer-based application for the exchange of messages between users. A worldwide e-mail network allows people to exchange e-mail messages very quickly.

Bulk mail system has expanded that capability of mails by implementing the ability to easily send multiple mails messages to intended recipients with reliability. The advantages of bulkmails can be applied in schools and universities to further develop classroom interactions and set up a virtual community as a public relations system. Lecturers can conduct mobile quizzes in many question forms with their students via mail. Moreover, bulk mail system provides an information service such as sending special announcements, news and interest information for lecturers, students and other related recipients.

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1.INTRODUCTION

1.1 INTRODUCTION

Bulk mailing is the dissemination of large numbers of mails for delivery to email terminals. It is used by media companies, enterprises, banks for marketing and fraud control and consumer brands for a variety of purposes including entertainment, enterprise and mobile marketing

Bulk email is nothing but send bulk amount of messages at a time or one click. The Bulk message sender generally used to send a message to large number of recipient. It is a web based software is needed to send lacks of messages at a time. Bulk mails is the dissemination of the large number of mails for delivery to mobile phones. No software installation is required by your customer our bulk mail module will be available through the mail platform web based administration tool.

1.2 PROBLEM STATEMENT

Information sharing is a major factor for development in the country. It is a time taking process to share information to all the citizens of the country through media and newspaper. In this modern generation almost everyone has a mobile phone in their hand. We can use this opportunity to share information directly to them through SMS or email. This will save time and money and information can be shared with a larger community within short time duration. Also such service can be used to repeatedly send SMS in case of emergency situations. Summary: A bulk SMS or email service which can convey information to larger audience in short interval of time is a requirement. It can include alerts, warnings and news that are of high importance can needs to be delivered to all the citizens of the country in a single go. Objective: We need a mobile/web app that will allow sending Bulk email & SMS (around 1 crore) user in one go through SMTP or other technology and it will be compatible for that all the users should get an notification also in their mobile through Artificial Intelligence. In addition features like log generation, notification of failure of SMS and/or email delivery, scheduling of SMS/emails, scheduler alert/notification system, users creation with different role and responsibilities, read & unread status, provision of importing contact details from excel worksheets, customizing emails with name of the receiver etc. should be included.

1.3 SCOPE OF PROJECT

The scope below demonstrate how Bulk mail Easy is utilized in various industries to achieve business and communication efficiency and solve critical business problems. There is scope for Bulk mail specially in India, as you know that India still comes under developing country so there is too much of requirement of Bulk mail.

Sending mail is quite easy and even school going kid are adept at it. You do not have to experience any specialized training to learn the skill of texting. Everyday people send hundreds of mails to their friends, office colleagues and even strangers. This feature is now exploited for commercial purposes. Bulk mail marketing is now quite popular with many small and medium sized companies. Bulk mail marketing comes with quite a few advantages. First and foremost, there is no advertising wastage as you have a clear idea of to whom you are sending the mail. Also, you have complete flexibility of sending the desired message. Companies spend thousands of rupees just to attract customers, yet they are unable to retain even few of them. Taking advantage of technology, company can create a strong communication bridge to shrink the gap between brands and customers. Bulk mail services is just another way to reach people but what make this different is its instant reach and it increase sales and two way communication instantly.

1.4 PROJECT HYPOTHESIS

Bulk mails reach the target audience with greater efficiency than television or print advertising because they reach the client directly. A message on your phone is something that you can always refer to later, and it doesn't go ignored as marketing calls often do. On the other side of the playing field, a bulk mailsreseller provider can reach out to thousands of people within a limited cost. While conventional advertising cannot guarantee the attention of your intended target audience, bulk SMSs will allow you a deeper reach into the market without spending as much as you would when engaging in conventional marketing!

1.5 OBJECTIVE

We need a mobile/web app that will allow sending Bulk email & SMS (around 1 crore) user in one go through SMTP or other technology and it will be compatible for that all the users should get an notification also in their mobile through Artificial Intelligence. In addition features like log generation, notification of failure of SMS and/or email delivery.

2. LITERATURE REVIEW

2.1 BACKGROUND

It is technology that enables the sending and receiving of mails between mobile phones. Electronic mail (e-mail) is a computer-based application for the exchange of messages between users. A worldwide e-mail network allows people to exchange e-mail messages very quickly.

The Bulk email is very popular to send bulk amount of the mails in the organization & Used in Marketing and Banking Bulk mail is often used by Big & small business owners, E-commerce industry, media Companies, Banks for Alerts, Marketing and Fraud control alerts, Reminders, Marketing of products and services. It's also commonly used between staffs of company or bank and their clients. One advantage of Bulk Mail is that it delivers your message directly to the mobile handsets anywhere around World.

2.2 SUMMARY OF LITERATURE REVIEW

In this digital world, while exploring on the internet, we got the names of many Bulk mail service providers and picked up one randomly, hence disappointments. To get the best Bulk mail service provider is a somehow daunting task. But today, this barrier will be overcome by the Logon Utility. It is an IT company that has a robust mail reseller network of 1200+ and handling over 15000+ clients in India. Utility's success is entirely shown on an official website logonutility.com where you can look at our best setup, services, infrastructure, and veteran professionals as well.

3. METHODOLOGY

3.1 Hardware Specification:

The most common set of requirements defined by any operating system are software application is the physical computer resources also known as hardware a hardware requirement list is often accompanied by a hardware compatibility list (HCL), especially in case of operating system HCL lists tested compatibility and sometimes in-compatibility hardware devices for a particular operating system or application. The following sub-sections discuss the various aspects of hardware requirement.

> Hardware Requirements For Present Project:

Processor: Intel core i3

RAM : 2GB

Hard disk: 500GB (Minimum 80GB)

3.2 Software specification:

Software specification deal with defining software resource requirements and pre-requirement that needs to be installed on a computer to provide optimal functioning of an application. These requirement are pre requirement are generally not included in the software installation package and need to be installed separately before the software is installed.

> Software Requirements For Present Project:

Operating System: Windows 7

Front-end

JAVA,Eclipse Software

Back-end

SMTP Protocol,MySQL

4.RESULTS AND DISCUSSION

4.1 Sample code

Class 1

```
public class main {  
    public static void main(String[] args) {  
        Entry1 obj1 = new Entry1();  
    }  
}
```

Class 2

```
public class Entry1 implements ActionListener{  
    JFrame f=new JFrame("ARASP");  
    JLabel L1=new JLabel("ARASP website");  
    JLabel L2=new JLabel("Bulk mails and message service");  
    JButton b1=new JButton("Register");  
    JButton btnNewButton=new JButton("Smsg");  
    JButton btnNewButton_1=new JButton("Dmsg");  
    public static void main(String[] args) {  
        EventQueue.invokeLater(new Runnable() {  
            public void run() {  
                try {  
                    Entry1 window = new Entry1();  
                    window.f.setVisible(true);  
                } catch (Exception e) {  
                    e.printStackTrace();  
                }  
            }  
        });  
    }  
    public Entry1() {  
        initialize();  
    }  
    private void initialize() {  
        L1.setBounds(10,184,800,50);  
        L1.setFont(new Font("Arial", Font.PLAIN, 40));  
        L1.setForeground(Color.black);  
    }  
}
```

```
L2.setBounds(485,305,700,100);
L2.setFont(new Font("Arial", Font.PLAIN, 35));
L2.setForeground(Color.black);
b1.setFont(new Font("Arial", Font.PLAIN, 20));
b1.setBounds(10,265,130,50);
b1.addActionListener((ActionListener) this);
JLabel lblNewLabel = new JLabel("");
lblNewLabel.setBounds(347, 405, 882, 430);
f.getContentPane().add(lblNewLabel);
f.getContentPane().add(L1);
f.getContentPane().add(L2);
f.getContentPane().add(b1);
f.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
f.getContentPane().setBackground(Color.white);
f.setSize(2000,2000);
f.getContentPane().setLayout(null);
JLabel L3 = new JLabel(" ");
L3.setBounds(312, 341, 917, 494);
f.getContentPane().add(L3);
Image i1 = new ImageIcon(this.getClass().getResource("/img4.png")).getImage();
lblNewLabel.setIcon(new ImageIcon(i1));
btnNewButton.setFont(new Font("Arial", Font.PLAIN, 20));
btnNewButton.setBounds(139, 265, 119, 50);
btnNewButton.addActionListener((ActionListener)this);
f.getContentPane().add(btnNewButton);
btnNewButton_1.setFont(new Font("Arial", Font.PLAIN, 20));
btnNewButton_1.setBounds(257, 265, 130, 50);
btnNewButton_1.addActionListener((ActionListener)this);
f.getContentPane().add(btnNewButton_1);
JLabel lblNewLabel_1 = new JLabel("");
lblNewLabel_1.setIcon(new ImageIcon("E:\\project\\img8.jpg"));
lblNewLabel_1.setBounds(0, 0, 1540, 172);
f.getContentPane().add(lblNewLabel_1);
Image i2 = new
ImageIcon(this.getClass().getResource("/img6.png")).getImage();
f.setVisible(true);
```

```

        ImageIcon i= new ImageIcon("img1.jpg");
        f.setIconImage(i.getImage());
    }
    public void actionPerformed(ActionEvent e)
    {
        if(e.getSource()==b1) {
            f.dispose();
            Reg1 obj2 = new Reg1();
        }
        else if(e.getSource()==btnNewButton) {
            f.dispose();
            Smsg obj3 = new Smsg();
        }
        else if(e.getSource()==btnNewButton_1) {
            f.dispose();
            Dmsg obj4 = new Dmsg();
        }
    }
}

# Class 3
public class Reg1 implements ActionListener {
    JFrame f=new JFrame("ARASP");
    JLabel L5=new JLabel("Bulk mails and message service");
    JLabel L1=new JLabel("Email:");
    JLabel L2=new JLabel("Phone: ");
    JLabel L3=new JLabel("Name : ");
    JLabel L4=new JLabel("Branch : ");
    JTextField t1=new JTextField();
    JTextField t2=new JTextField();
    JTextField t3=new JTextField();
    JTextField t4=new JTextField();
    JButton b=new JButton("Register");
    JButton b3=new JButton("<Back");
    private final JButton b5 = new JButton("Smsg");
    private final JButton btnNewButton_1 = new JButton("Dmsg");
    private final JLabel lblNewLabel_2 = new JLabel("<html><u>STUDENTS'

```

REGISTRATION FORM</u></html>");

```
private final JLabel lblNewLabel = new JLabel("");
private final JLabel lblNewLabel_1 = new JLabel("");
public static void main(String[] args) {
    EventQueue.invokeLater(new Runnable() {
        public void run() {
            try {
                Reg1 window = new Reg1();
                window.f.setVisible(true);
            } catch (Exception e) {
                e.printStackTrace();
            }
        }
    });
}
public Reg1() {
    initialize();
}
private void initialize() {
    L5.setBounds(77,228,800,50);
    L5.setFont(new Font("Arial", Font.BOLD, 30));
    L5.setForeground(Color.white);
    L1.setBounds(569,532,200,30);
    L1.setFont(new Font("Arial", Font.BOLD, 30));
    t1.setBounds(781,393,320,30);
    t1.setBorder(new LineBorder(Color.GREEN,5));
    t1.setFont(new Font("Arial", Font.PLAIN, 15));
    L2.setBounds(569,465,200,30);
    L2.setFont(new Font("Arial", Font.BOLD, 30));
    t2.setBounds(781,468,258,30);
    t2.setBorder(new LineBorder(Color.GREEN,5));
    t2.setFont(new Font("Arial", Font.PLAIN, 15));
    L3.setBounds(569,390,200,30);
    L3.setFont(new Font("Arial", Font.BOLD, 30));
    t3.setBounds(779,535,343,30);
    t3.setFont(new Font("Arial", Font.PLAIN, 15));
```

```
t3.setBorder(new LineBorder(Color.GREEN,5));
L4.setBounds(569,603,200,30);
L4.setFont(new Font("Arial", Font.BOLD, 30));
t4.setBounds(781,606,160,30);
t4.setFont(new Font("Arial", Font.PLAIN, 15));
t4.setBorder(new LineBorder(Color.GREEN,5));
b.setFont(new Font("Arial", Font.PLAIN, 20));
b.setBounds(699,689,130,50);
b.addActionListener(this);
b3.setFont(new Font("Arial", Font.PLAIN, 20));
b3.setBounds(77,310,130,50);
lblNewLabel_2.setFont(new Font("italic", Font.ITALIC, 30));
b3.addActionListener(this);
f.getContentPane().add(L1);
f.getContentPane().add(t1);
f.getContentPane().add(L2);
f.getContentPane().add(t2);
f.getContentPane().add(b);
f.getContentPane().add(b3);
f.getContentPane().add(L3);
f.getContentPane().add(t3);
f.getContentPane().add(L4);
f.getContentPane().add(L5);
f.getContentPane().add(t4);
f.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
f.setSize(2000,2000);
f.getContentPane().setLayout(null);
b5.setBounds(208, 310, 105, 50);
b5.setFont(new Font("Arial", Font.PLAIN, 20));
b5.addActionListener(this);
f.getContentPane().add(b5);
btnNewButton_1.setBounds(315, 310, 105, 50);
btnNewButton_1.setFont(new Font("Arial", Font.PLAIN, 20));
btnNewButton_1.addActionListener(this);
f.getContentPane().add(btnNewButton_1);
Image i2 = new
```

```

ImageIcon(this.getClass().getResource("/img6.png")).getImage();
        lblNewLabel_2.setFont(new Font("ITALIC", Font.PLAIN, 45));
        lblNewLabel_2.setBackground(Color.YELLOW);
        lblNewLabel_2.setOpaque(true);
        lblNewLabel_2.setBounds(192, 58, 1188, 85);
        lblNewLabel_2.setFont(new Font("BOLD", Font.PLAIN, 60));
        f.getContentPane().add(lblNewLabel_2);
        lblNewLabel.setIcon(new ImageIcon("E:\\project\\img10.jpg"));
        lblNewLabel.setBounds(77, 21, 105, 135);
        f.getContentPane().add(lblNewLabel);
        lblNewLabel_1.setIcon(new ImageIcon("E:\\project\\img3.jpg"));
        lblNewLabel_1.setBounds(0, 0, 1563, 835);
        f.getContentPane().add(lblNewLabel_1);
        f.setVisible(true);
        ImageIcon i= new ImageIcon("img1.jpg");
        f.setIconImage(i.getImage());
    }
    public void actionPerformed(ActionEvent e)
    {
        String s1,s2,s3,s4;
        s1 =t1.getText();
        s2 =t2.getText();
        s3 =t3.getText();
        s4 =t4.getText();
        if(e.getSource() == b)
        {
            try {
                Connection connection =
DriverManager.getConnection("jdbc:mysql://localhost:3306/arasp", "root",
"1234");//Establishing connection
                System.out.println("Connected With the database successfully");
                String q = "insert into register(Name,Phone,Email,Branch)" +
"values(?,?,?,?)";
                PreparedStatement ps = connection.prepareStatement(q);
                ps.setString(1,(String) s1);
                ps.setString(2,(String) s2);

```



```

        ps.setString(3,(String) s3);
        ps.setString(4,(String) s4);
        ps.execute();
        connection.close();
        JOptionPane.showMessageDialog(null,"Data is successfully inserted");
    }
    catch (SQLException e1)
    {
        System.out.println("Error while connecting to the database"+e1);
    }
    t1.setText("");
    t2.setText("");
    t3.setText("");
    t4.setText("");
}
if(e.getSource()==b3){
    f.dispose();
    Entry1 obj1 = new Entry1();
}
if(e.getSource()==b5){
    f.dispose();
    Smsg obj1 = new Smsg();
}
if(e.getSource()==btnNewButton_1){
    f.dispose();
    Dmsg obj1 = new Dmsg();
}
}
}

```

#Class 4

```

public class Smsg implements ActionListener {
    public static ArrayList<String> emailList = new ArrayList<>();
    public static JTextArea messageArea;
    JFrame frame = new JFrame("ARASP");
    JButton btnNewButton_2 = new JButton("Dmsg");
    JButton btnNewButton_1 = new JButton("Register");

```

```
JButton btnNewButton = new JButton("<Back");
JLabel label = new JLabel("Message:");
JLabel lblNewLabel_1 = new JLabel("<html><u>Smsg : </u></html>");
JLabel lblNewLabel_2 = new JLabel("This Page is to send Same Notice to all the
Students at a time.");
public static void main(String[] args) {
    EventQueue.invokeLater(new Runnable() {
        public void run() {
            try {
                Smsg window = new Smsg();
                window.frame.setVisible(true);
            } catch (Exception e) {
                e.printStackTrace();
            }
        }
    });
}
public Smsg(){
    initialize();
}
private void initialize() {
    label.setBounds(71,368,144,90);
    label.setFont(new Font("Arial", Font.PLAIN, 30));
    messageArea = new JTextArea(10, 50);
    messageArea.setSize(505, 238);
    messageArea.setBorder(new LineBorder(Color.GRAY,1));
    messageArea.setFont(new Font("Arial", Font.PLAIN, 30));
    messageArea.setLocation(262, 310);
    messageArea.setBorder(new LineBorder(Color.YELLOW,5));
    JButton sendButton = new JButton("Send");
    sendButton.setBounds(168, 649, 207, 55);
    sendButton.setFont(new Font("Arial", Font.PLAIN, 30));
    lblNewLabel_1.setFont(new Font("ITALIC", Font.ITALIC, 45));
    lblNewLabel_1.setBackground(Color.ORANGE);
    lblNewLabel_1.setOpaque(true);
    lblNewLabel_1.setBounds(57, 115, 165, 58);
```

```
frame.getContentPane().add(lblNewLabel_1);
lblNewLabel_2.setFont(new Font("ITALIC", Font.ITALIC, 35));
lblNewLabel_2.setBounds(232, 105, 1081, 96);
frame.getContentPane().add(lblNewLabel_2);
sendButton.addActionListener(new ActionListener() {
    @Override
    public void actionPerformed(ActionEvent e) {
        sendEmails();
        messageArea.setText("");
    }
});

frame.getContentPane().add(label);
frame.getContentPane().add(messageArea);
frame.getContentPane().add(sendButton);
frame.setSize(2000,2000);

    frame.getContentPane().setLayout(null);
    JButton btnNewButton = new JButton("<Back");
    btnNewButton.setBounds(57, 211, 95, 55);
    frame.getContentPane().add(btnNewButton);
    btnNewButton.addActionListener(new ActionListener() {
        @Override
        public void actionPerformed(ActionEvent e) {
            if(e.getSource()==btnNewButton){
                frame.dispose();
                Entry1 obj1 = new Entry1();
            }
        }
    });

    JButton btnNewButton_1 = new JButton("Register");
    btnNewButton_1.setBounds(150, 211, 128, 55);
    frame.getContentPane().add(btnNewButton_1);
    btnNewButton_1.addActionListener(new ActionListener() {
        @Override
        public void actionPerformed(ActionEvent e) {
            if(e.getSource()==btnNewButton_1){
```

```
        frame.dispose();
        Reg1 obj1 = new Reg1();
    }
}
});

JButton btnNewButton_2 = new JButton("Dsmg");
btnNewButton_2.setBounds(275, 211, 128, 55);
frame.getContentPane().add(btnNewButton_2);
btnNewButton_2.addActionListener(new ActionListener() {
    @Override
    public void actionPerformed(ActionEvent e) {
        if(e.getSource()==btnNewButton_2){
            frame.dispose();
            Dmsg obj1 = new Dmsg();
        }
    }
});

btnNewButton.setFont(new Font("Arial", Font.PLAIN, 20));
btnNewButton_1.setFont(new Font("Arial", Font.PLAIN, 20));
btnNewButton_2.setFont(new Font("Arial", Font.PLAIN, 20));
JLabel lblNewLabel = new JLabel("");
lblNewLabel.setIcon(new ImageIcon("E:\\project\\img12.2.jpg"));
lblNewLabel.setBounds(0, 10, 1540, 825);
frame.getContentPane().add(lblNewLabel);
frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
frame.setVisible(true);
retrieveEmails();
}
private static void retrieveEmails() {
    try {
        Class.forName("com.mysql.cj.jdbc.Driver");
        Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/arasp", "root", "1234");
        Statement stmt = con.createStatement();
        ResultSet rs = stmt.executeQuery("SELECT Email FROM register");
        while (rs.next()) {
```

```
        emailList.add(rs.getString("Email"));
    }
    con.close();
} catch (Exception e) {
    e.printStackTrace();
}
} private static void sendEmails() {
    final String username = "arasp321@gmail.com";
    final String password = "tpbzrhnpkzggodjc";
    Properties props = new Properties();
    props.put("mail.smtp.auth", "true");
    props.put("mail.smtp.starttls.enable", "true");
    props.put("mail.smtp.host", "smtp.gmail.com");
    props.put("mail.smtp.port", "587");
    Session session = Session.getInstance(props,
new javax.mail.Authenticator() {
protected PasswordAuthentication getPasswordAuthentication() {
return new PasswordAuthentication(username, password);
}
});
    try {
        for (String email : emailList) {
            Message message = new MimeMessage(session);
            message.setFrom(new InternetAddress(username));
            message.setRecipients(Message.RecipientType.TO,
                InternetAddress.parse(email));
            message.setSubject("Email from MRECW");
            message.setText(messageArea.getText());
            Transport.send(message);
            JOptionPane.showMessageDialog(null, "Message Sent!");
        }
    } catch (Exception e) {
        e.printStackTrace();
    }
}
}
```

```
}
```

#Class 5

```
public class Dmsg implements ActionListener {
    private static ArrayList<String> emailList = new ArrayList<>();
    private static ArrayList<String> messageList = new ArrayList<>();
    JButton btnNewButton_2 = new JButton("Dmsg");
    JButton btnNewButton_1 = new JButton("Register");
    JButton btnNewButton = new JButton("<Back");
    JLabel lblNewLabel_1 = new JLabel("<html><u>Dmsg : </u></html>");
    JLabel lblNewLabel_2 = new JLabel("This Page is to send Different Notice to all the
Students at a time.");
    JFrame frame = new JFrame("ARASP");
    JLabel emailLabel = new JLabel("Email:");
    private static JTextField emailField;
    private static JTextArea messageArea;
    public static void main(String[] args) {
        EventQueue.invokeLater(new Runnable() {
            public void run() {
                try {
                    Dmsg window = new Dmsg();
                    window.frame.setVisible(true);
                } catch (Exception e) {
                    e.printStackTrace();
                }
            }
        });
    }
    public Dmsg(){
        initialize();
    }
    private void initialize() {
        emailLabel.setBackground(Color.BLUE);
        emailLabel.setFont(new Font("Arial", Font.PLAIN, 30));
        emailLabel.setSize(127, 50);
        emailLabel.setLocation(748, 261);
        emailField = new JTextField(20);
```

```
emailField.setSize(477, 56);
emailField.setLocation(977, 258);
emailField.setBorder(new LineBorder(Color.GREEN,5));
emailField.setFont(new Font("Arial", Font.PLAIN, 30));
JLabel messageLabel = new JLabel("Message:");
messageLabel.setSize(140, 50);
messageLabel.setLocation(735, 388);
messageLabel.setFont(new Font("Arial", Font.PLAIN, 30));
messageArea = new JTextArea(10, 50);
messageArea.setSize(464, 236);
messageArea.setLocation(977, 363);
messageArea.setBorder(new LineBorder(Color.GREEN,5));
messageArea.setFont(new Font("Arial", Font.PLAIN, 30));
JButton saveButton = new JButton("Save")
saveButton.setSize(127, 50);
saveButton.setLocation(867, 649);
saveButton.setFont(new Font("Arial", Font.BOLD, 25));
saveButton.addActionListener(new ActionListener() {
    @Override
    public void actionPerformed(ActionEvent e) {
        saveData();
    }
});
JButton sendButton = new JButton("Send");
sendButton.setSize(145, 50);
sendButton.setLocation(991, 649);
sendButton.setFont(new Font("Arial", Font.BOLD, 25));
sendButton.addActionListener(new ActionListener() {
    @Override
    public void actionPerformed(ActionEvent e) {
        sendEmails();
    }
});
frame.getContentPane().add(emailLabel);
frame.getContentPane().add(emailField);
frame.getContentPane().add(messageLabel);
```

```
frame.getContentPane().add(messageArea);
frame.getContentPane().add(saveButton);
frame.getContentPane().add(sendButton);
frame.setSize(2000,2000);
    frame.getContentPane().setLayout(null);
    JButton btnNewButton = new JButton("<Back");
    btnNewButton.setBounds(244, 187, 108, 56);
    frame.getContentPane().add(btnNewButton);
    btnNewButton.addActionListener(new ActionListener() {
@Override
public void actionPerformed(ActionEvent e) {
    if(e.getSource()==btnNewButton){
        frame.dispose();
        Entry1 obj1 = new Entry1();
    }
}
});
JButton btnNewButton_1 = new JButton("Register");
    btnNewButton_1.setBounds(348, 187, 127, 56);
    frame.getContentPane().add(btnNewButton_1);
    btnNewButton_1.addActionListener(new ActionListener() {
@Override
public void actionPerformed(ActionEvent e) {
    if(e.getSource()==btnNewButton_1){
        frame.dispose();
        Reg1 obj1 = new Reg1();
    }
}
});
JButton btnNewButton_2 = new JButton("Smsg");
    btnNewButton_2.setBounds(472, 187, 91, 56);
    frame.getContentPane().add(btnNewButton_2);
    btnNewButton_2.addActionListener(new ActionListener() {
@Override
public void actionPerformed(ActionEvent e) {
    if(e.getSource()==btnNewButton_2){
```



```
        frame.dispose();
        Smsg obj1 = new Smsg();
    }
}
});

btnNewButton.setFont(new Font("Arial", Font.PLAIN, 20));
btnNewButton_1.setFont(new Font("Arial", Font.PLAIN, 20));
btnNewButton_2.setFont(new Font("Arial", Font.PLAIN, 20));
lblNewLabel_1.setFont(new Font("ITALIC", Font.ITALIC, 45));
lblNewLabel_1.setBackground(Color.ORANGE);
lblNewLabel_1.setOpaque(true);
lblNewLabel_1.setBounds(76, 100, 165, 58);
frame.getContentPane().add(lblNewLabel_1);
lblNewLabel_2.setFont(new Font("ITALIC", Font.ITALIC, 35));
lblNewLabel_2.setBounds(253, 81, 1081, 96);
frame.getContentPane().add(lblNewLabel_2);

JLabel lblNewLabel = new JLabel("I");
lblNewLabel.setIcon(new ImageIcon("E:\\project\\img11.1.jpg"));
lblNewLabel.setBounds(-159, -17, 2006, 884);
frame.getContentPane().add(lblNewLabel);

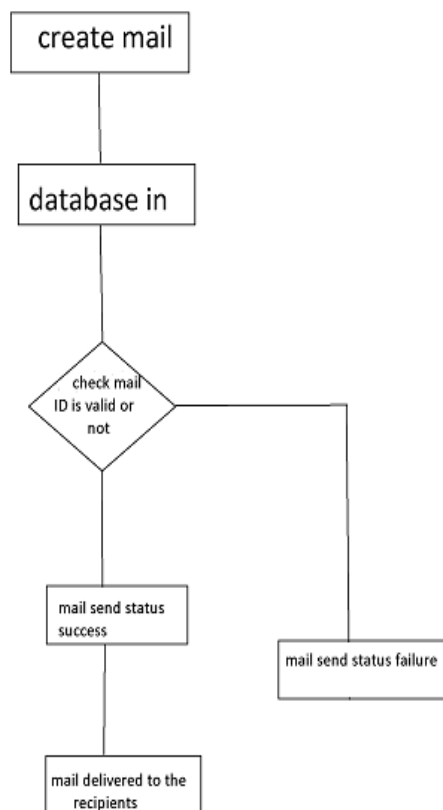
frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
frame.setVisible(true);
retrieveData();
}

private static void retrieveData() {
    try {
        Class.forName("com.mysql.cj.jdbc.Driver");
        Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/arasp", "root", "1234");
        Statement stmt = con.createStatement();
        ResultSet rs = stmt.executeQuery("SELECT Email, Message FROM message");
        while (rs.next()) {
            emailList.add(rs.getString("email"));
messageList.add(rs.getString("message"));
        }
        con.close();
    }
}
```

```
}  
catch (Exception e) {  
    System.out.println(e);  
}  
}  
  
private static void saveData() {  
    try {  
        Class.forName("com.mysql.cj.jdbc.Driver");  
        Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/arasp",  
"root", "1234");  
        PreparedStatement stmt = con.prepareStatement("INSERT INTO message (Email,  
Message) VALUES (?,?)");  
        stmt.setString(1, emailField.getText());  
        stmt.setString(2, messageArea.getText());  
        stmt.executeUpdate();  
        con.close();  
        JOptionPane.showMessageDialog(null, "Data is successfully inserted");  
    } catch (Exception e) {  
        System.out.println(e);  
    }  
}  
  
private static void sendEmails() {  
    final String username = "arasp321@gmail.com";  
    final String password = "tpbzhnpkzggodjc";  
    Properties props = new Properties();  
    props.put("mail.smtp.auth", "true");  
    props.put("mail.smtp.starttls.enable", "true");  
    props.put("mail.smtp.host", "smtp.gmail.com");  
    props.put("mail.smtp.port", "587");  
    Session session = Session.getInstance(props, new javax.mail.Authenticator() {  
        protected PasswordAuthentication getPasswordAuthentication() {  
            return new PasswordAuthentication(username, password);  
        }  
    });  
    try {  
        for (int i = 0; i < emailList.size(); i++) {  
            Message message = new MimeMessage(session);
```

```
message.setFrom(new InternetAddress(username));  
message.setRecipients(Message.RecipientType.TO,  
InternetAddress.parse(emailList.get(i)));  
message.setSubject("Email from MRECW");  
message.setText(messageList.get(i));  
Transport.send(message);  
JOptionPane.showMessageDialog(null,"Message Sent!");  
}  
} catch (Exception e) {  
    System.out.println(e);  
}  
}  
}
```

4.2 FLOW CHART



4.3 SAMPLE SCREENSHOTS



The screenshot shows the STUDENTS' REGISTRATION FORM. The background is blue with a pattern of white envelopes. The form title "STUDENTS' REGISTRATION FORM" is displayed in a white box. Below the title, the text "Bulk Mail Services" is shown in yellow. A navigation bar contains buttons for "<Back", "Smsg", and "Dmsg". The registration form fields are labeled "Name :", "Phone:", "Email:", and "Branch :", each followed by a white input field. A "Register" button is located at the bottom of the form.

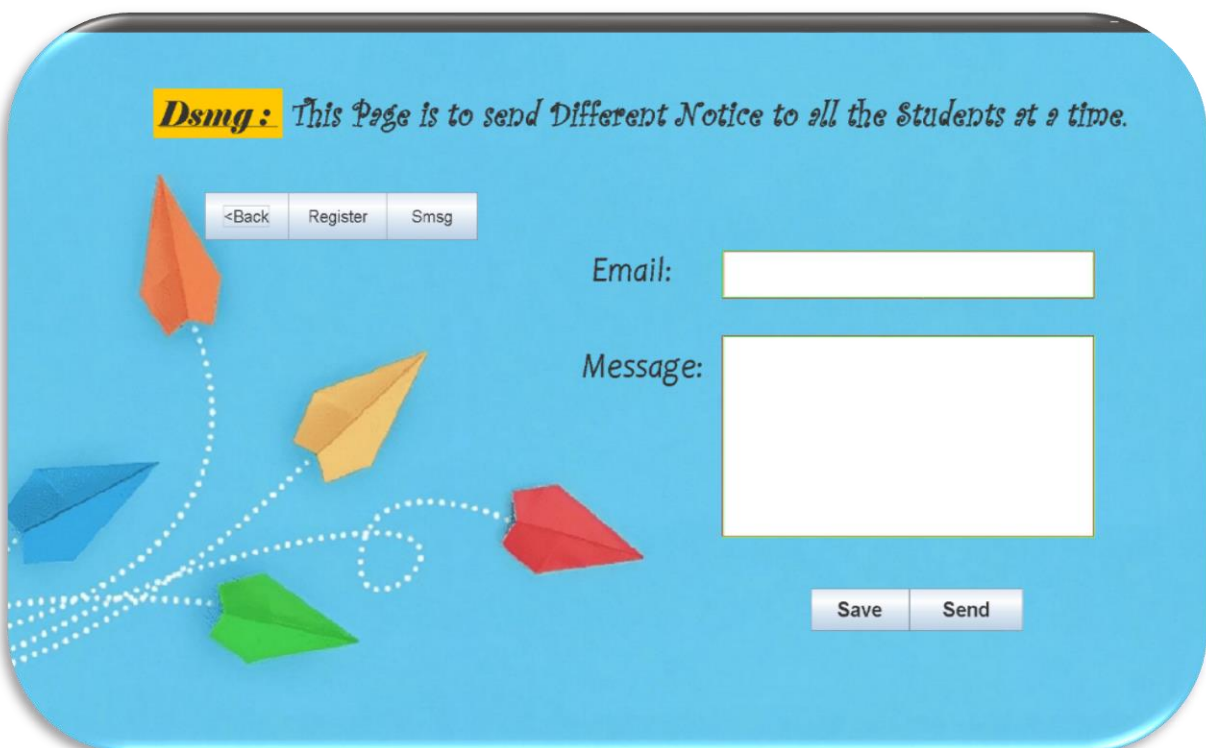


Smsg : *This Page is to send Same Notice to all the Students at a time.*

<Back Register Dsmsg

Message:

Send



Dsmsg : *This Page is to send Different Notice to all the Students at a time.*

<Back Register Smsg

Email:

Message:

Save Send

5.CONCLUSION

This project is widely use full in any organizations, colleges, banking, companies, E-Commerce, Market News, Government & Public Utilities, Logistics, Media & Entertainment, Travel & Tourism Industry etc.

Alert your customer/user about the new updates of organization/colleges. In Logistics it use to send the shipping updates, invoices, bills, tracking detail web URLs and much more via an SMS. Media & Entertainment it use to invite the audience to an FM/TV show or ask the audience to vote for their favorite contestants in your reality show, and it also used in Travel & Tourism Industry Become a travel buddy of your customer by sending all the itineraries and travel routes via an SMS to make their journey more hassle-free.

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