



HANDSHAKE



UNDERGUIDANCE OF

REENA MAM


TEAM MEMBERS

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LOGIN/SIGN UP

6:41 PM 0.0KB/s 4G LTE 75

Welcome,
Sign in to continue!

 IN +91

GENERATE OTP











Enter mobile
number here

OTP Validation
Start onClick

6:41 PM 0.0KB/s 4G LTE 75

Select a country

Search...

	Afghanistan (AF)	+93
	Åland Islands (AX)	+358
	Albania (AL)	+355
	Algeria (DZ)	+213
	American Samoa (AS)	+1
	Andorra (AD)	+376
	Angola (AO)	+244
	Anguilla (AI)	+1
	Antarctica (AQ)	+672
	Antigua and Barbuda (AG)	+1

```
generateOtpButton.setOnClickListener(new View.OnClickListener(){

    @Override
    public void onClick(View view) {

        generateOtpButton.setEnabled(false);
        otpTextView.setVisibility(View.VISIBLE);
        validateOtpButton.setVisibility(View.VISIBLE);
        otpTextView.requestFocusOTP();

        phoneNumber = ccp.getFullNumberWithPlus().replace(" ", "").toString();

        initiateOtp();

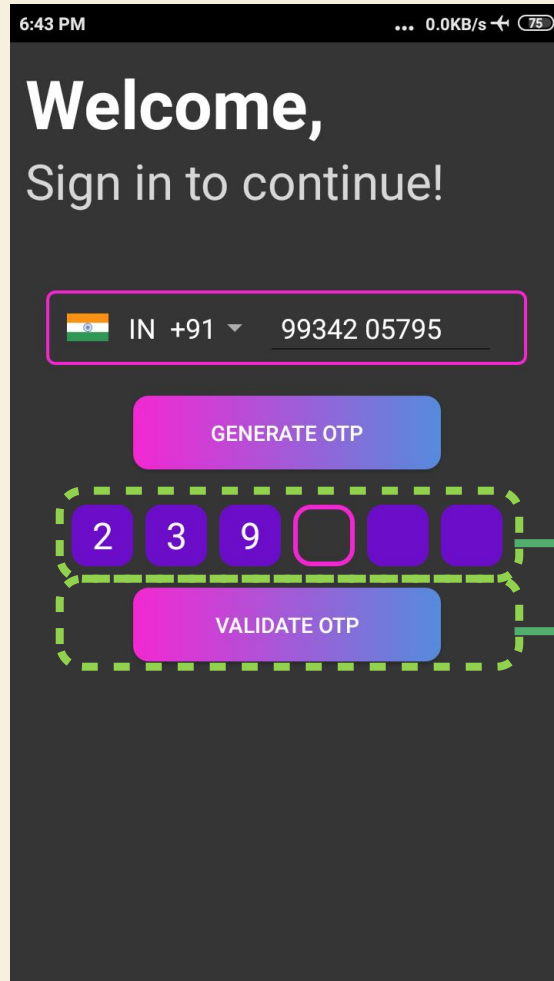
        new CountDownTimer(30000,1000){

            @Override
            public void onTick(long l) {
                counter--;
                resendNotificationTextView.setText("resend in "+counter+" sec");
            }

            @Override
            public void onFinish() {
                resendNotificationTextView.setText("");
                generateOtpButton.setEnabled(true);
                counter = 30;
            }


        }.start();
    }
});
```

OTP VALIDATION



6:43 PM ... 0.0KB/s 75

Welcome,
Sign in to continue!

 IN +91 ▾ 99342 05795

GENERATE OTP

2 3 9

VALIDATE OTP

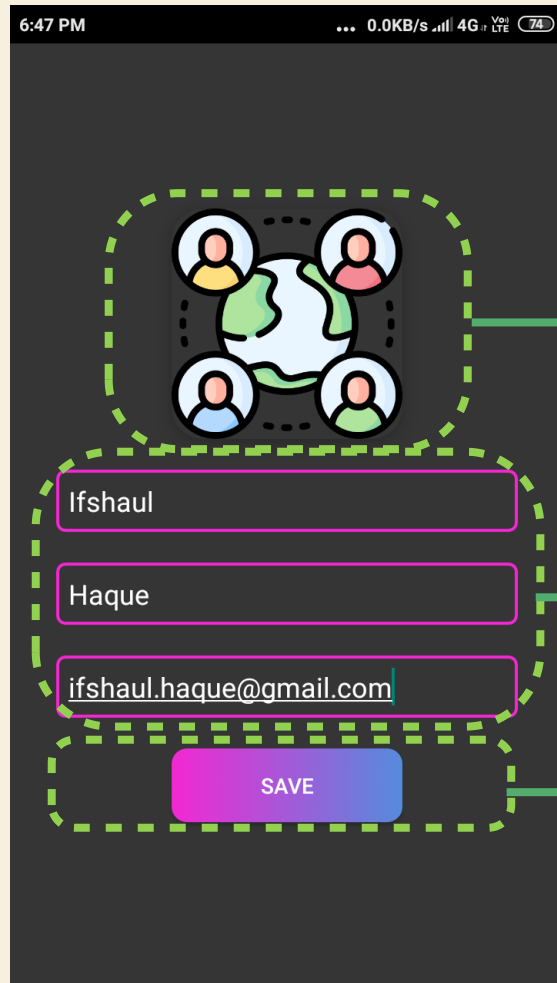
The image shows a mobile application interface for OTP validation. At the top, the status bar displays the time 6:43 PM, signal strength, and battery level at 75%. The app's header says "Welcome, Sign in to continue!". Below this is a phone number input field with a dropdown menu showing "IN +91" and the number "99342 05795". A "GENERATE OTP" button is positioned below the phone number field. Below the button is a row of six input boxes for the OTP. The first three boxes contain the digits "2", "3", and "9", while the last three are empty. A dashed green box highlights the entire OTP input section, including the "VALIDATE OTP" button. Two green arrows point from the text labels to the input boxes and the "VALIDATE OTP" button.

Enter OTP here

Click here to verify
OTP

```
validateOtpButton.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View view) {  
        if (otpTextView.getOTP().toString().isEmpty()) {  
            // Toast.makeText(LoginActivity.this, "Please fill the OTP section",  
            Toast.LENGTH_SHORT).show();  
            otpTextView.showError();  
            v.vibrate(500);  
        } else if (otpTextView.getOTP().toString().length() != 6) {  
            // Toast.makeText(LoginActivity.this, "Invalid OTP", Toast.LENGTH_SHORT).show();  
            otpTextView.showError();  
            v.vibrate(500);  
        } else {  
            PhoneAuthCredential credential=  
PhoneAuthProvider.getCredential(otpid,otpTextView.getOTP().toString());  
            signInWithPhoneAuthCredential(credential);  
        }  
    }  
});
```

PROFILE PAGE



6:47 PM ... 0.0KB/s 4G VoLTE 74

Click here to upload/change dp of your profile

Ifshaul

Haque

ifshaul.haque@gmail.com

SAVE

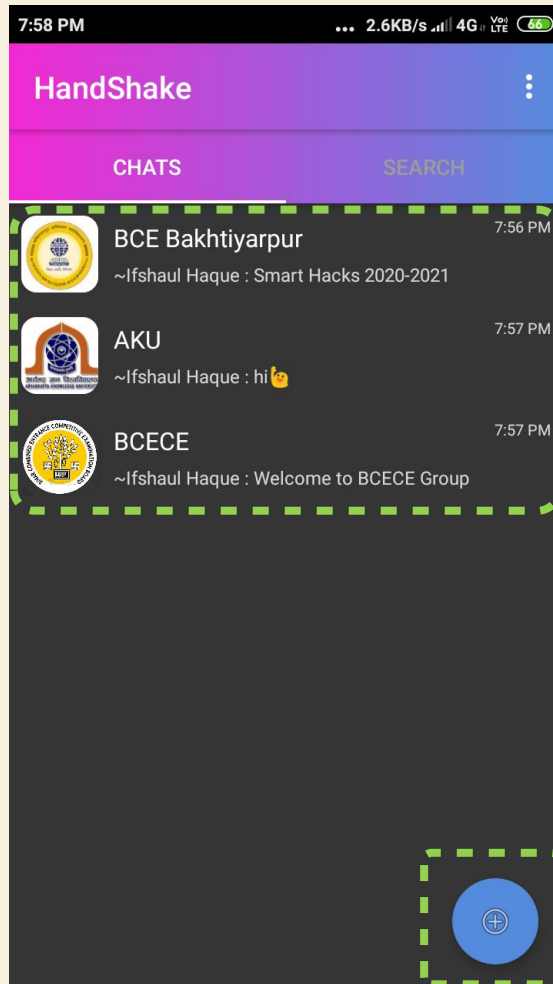
Click on the Button to save your details

Enter your details as asked

The image shows a mobile app interface for a profile page. At the top, there's a status bar with the time 6:47 PM, signal strength, 4G VoLTE, and battery level 74%. Below the status bar is a profile picture placeholder showing four people icons around a globe. A green arrow points to this placeholder with the text 'Click here to upload/change dp of your profile'. Below the profile picture are three text input fields, each with a green arrow pointing to it and the text 'Enter your details as asked'. The first field contains 'Ifshaul', the second 'Haque', and the third 'ifshaul.haque@gmail.com'. Below the input fields is a blue 'SAVE' button with a green arrow pointing to it and the text 'Click on the Button to save your details'.

```
storageReference =
FirebaseStorage.getInstance().getReference().child("UserProfileImages").child(userMobileNumber);
storageReference.putFile(imageUri).addOnSuccessListener(new OnSuccessListener<UploadTask.TaskSnapshot>() {
    @Override
    public void onSuccess(UploadTask.TaskSnapshot taskSnapshot) {
        storageReference.getDownloadUrl().addOnSuccessListener(new OnSuccessListener<Uri>() {
            @Override
            public void onSuccess(Uri uri) {
                user.put("phoneNumber",userMobileNumber);
                user.put("profileImageUri",String.valueOf(uri));
                user.put("firstName",firstNameEditText.getText().toString());
                user.put("lastName",lastNameEditText.getText().toString());
                user.put("email",emailIdEditText.getText().toString().trim());
                documentReference.set(user).addOnSuccessListener(new OnSuccessListener<Void>() {
                    @Override
                    public void onSuccess(Void aVoid) {
                        Toast.makeText(UserDetailActivity.this, "1) Account Created successfully",
Toast.LENGTH_SHORT).show();
                        Intent intent = new Intent(UserDetailActivity.this,MainActivity.class);
                        startActivity(intent);
                        finish();
                    }
                });
            }
        });
    }
});
});
});
});
```

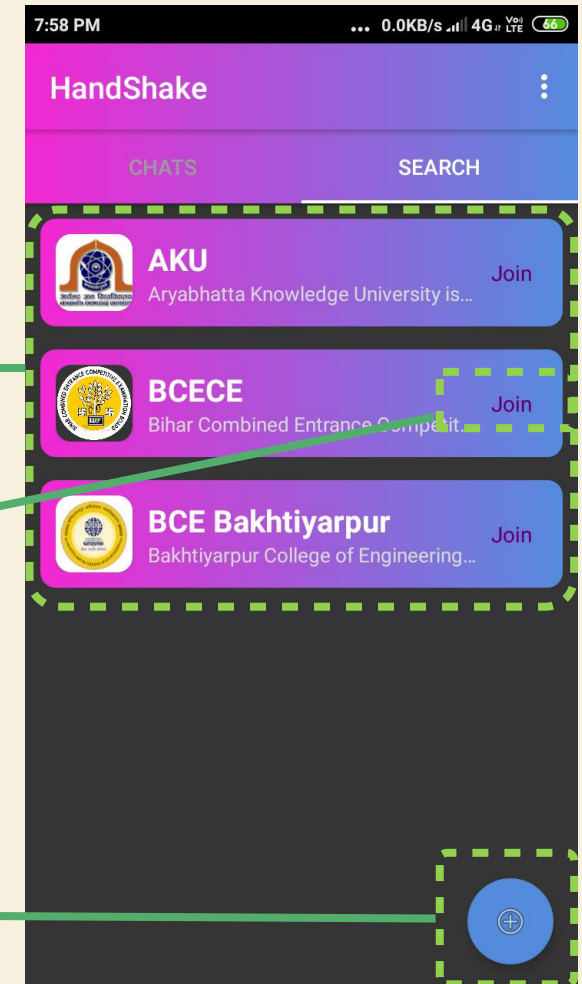

MAIN ACTIVITY PAGE



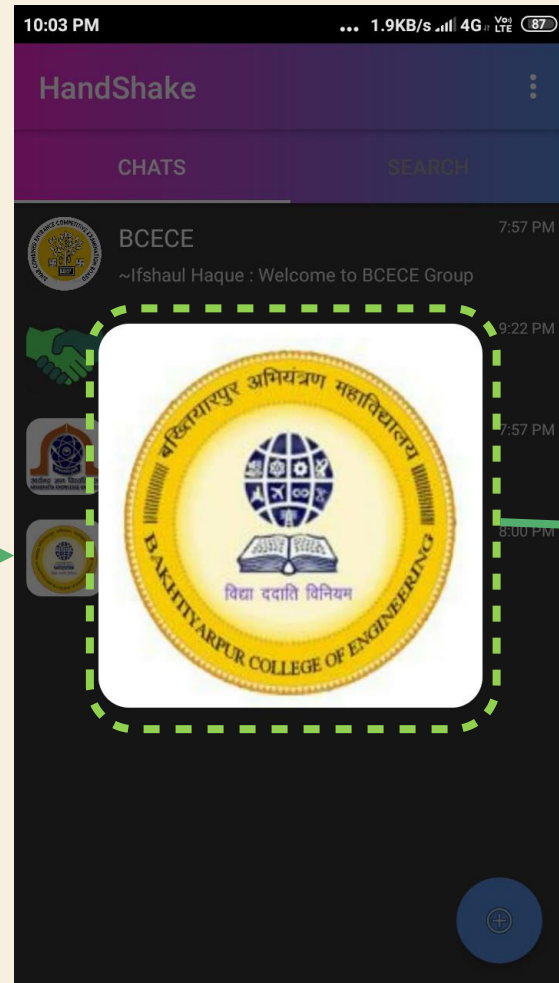
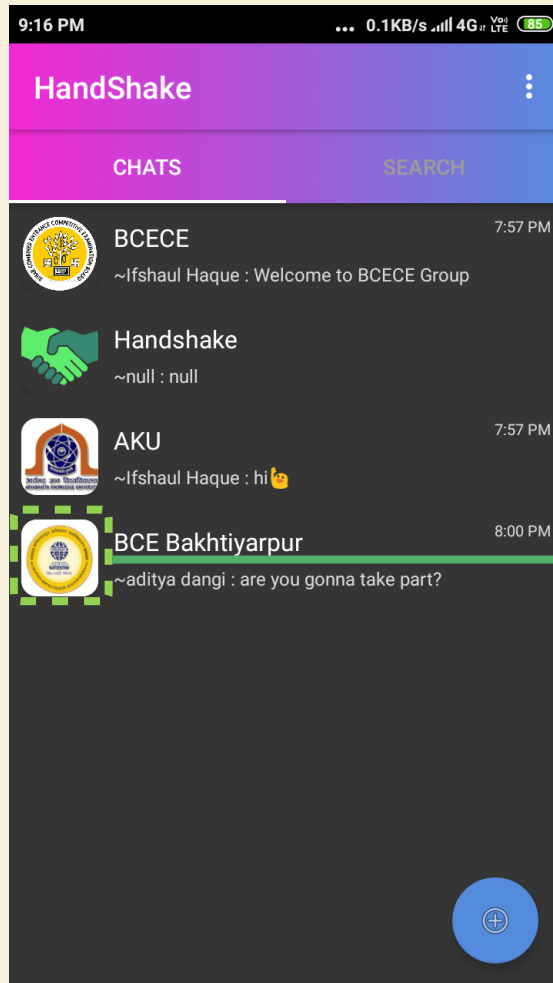
Groups

Group Join Button

Create Group FAB

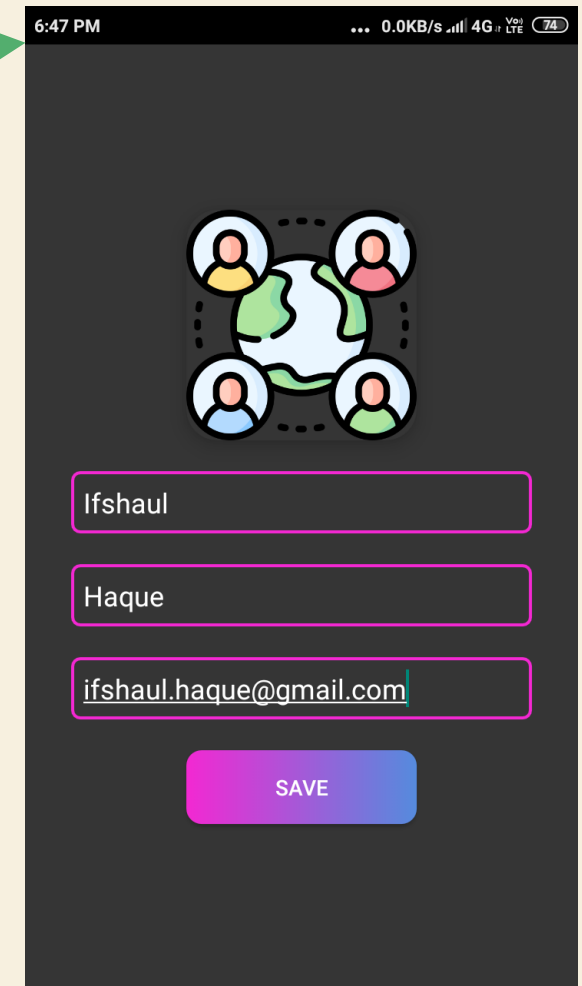
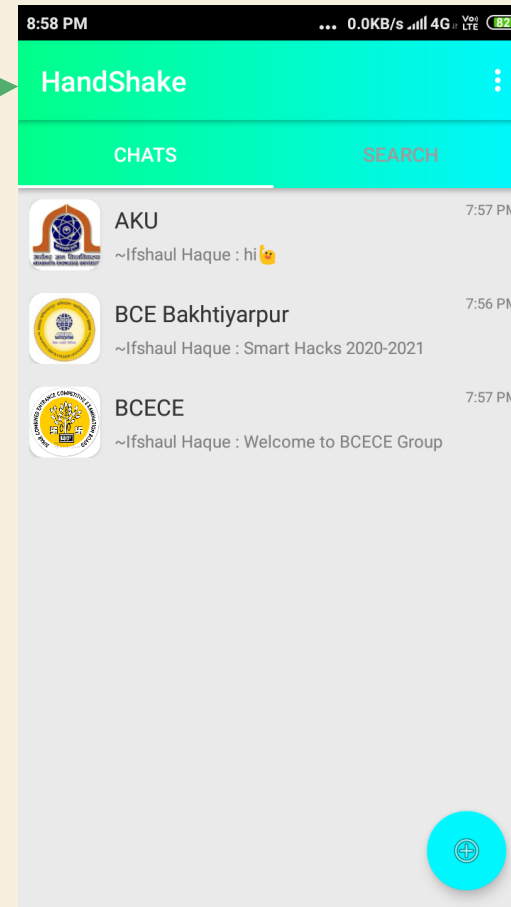
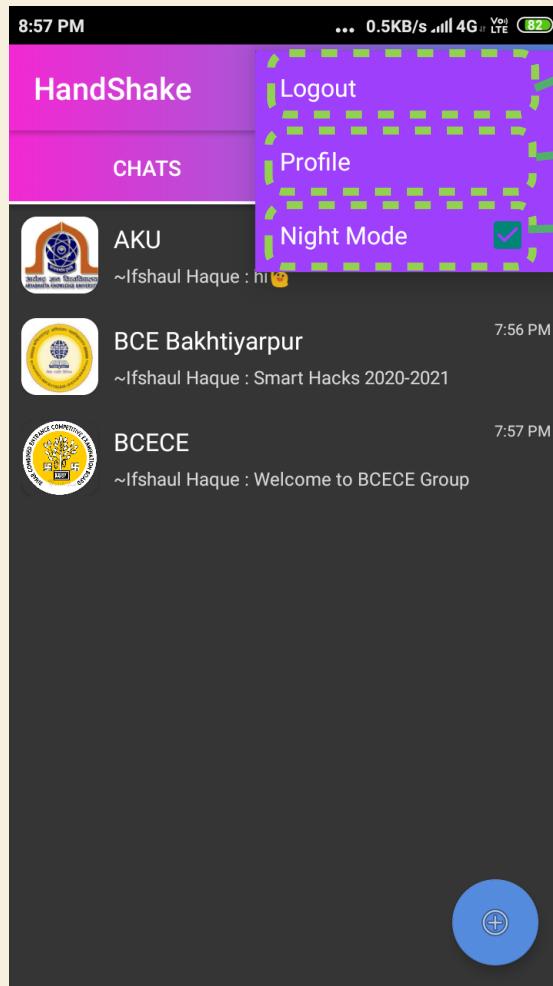


GROUP DP



OPTION MENU

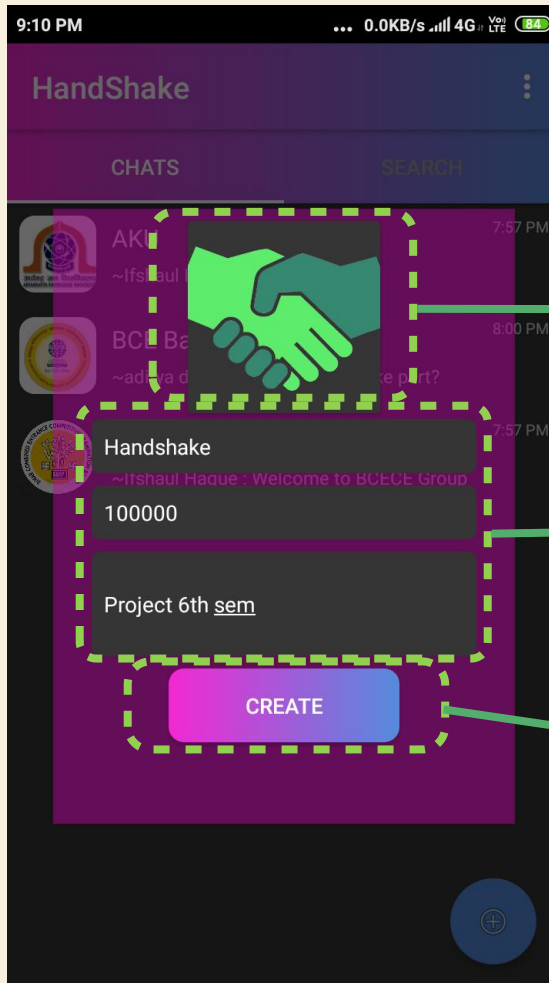
Logout Button



```
@Override
public boolean onOptionsItemSelected(@NonNull MenuItem item) {
    switch (item.getItemId()) {
        case R.id.logoutMenuItem:
            FirebaseAuth.getInstance().signOut();
            getActivity().finish();
            break;
        case R.id.profile:
            startActivity(new Intent(getActivity(), UserDetailActivity.class));
            getActivity().finish();
            break;
        case R.id.nightMode:
            if (item.isChecked()){
                AppCompatActivity.setDefaultNightMode(AppCompatActivity.MODE_NIGHT_NO);
                SharedPreferences.Editor editor = sharedPreferences.edit();
                editor.putBoolean("night_mode", false);
                editor.commit();
                item.setChecked(false);
            } else {
                AppCompatActivity.setDefaultNightMode(AppCompatActivity.MODE_NIGHT_YES);
                SharedPreferences.Editor editor = sharedPreferences.edit();
                editor.putBoolean("night_mode", true);
                editor.commit();
                item.setChecked(true);
            }
            break;
    }

    return super.onOptionsItemSelected(item);
}
```

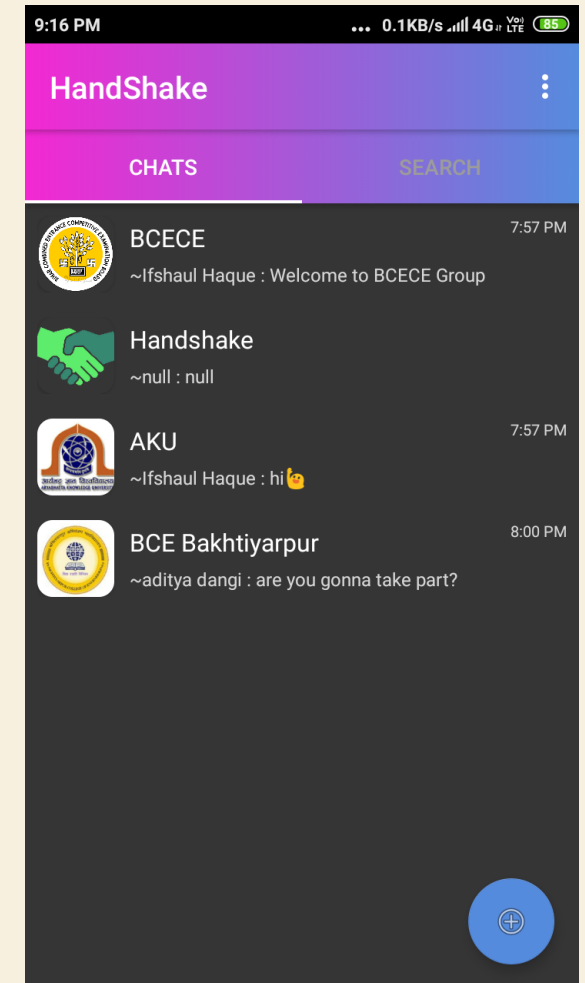
CREATING GROUP



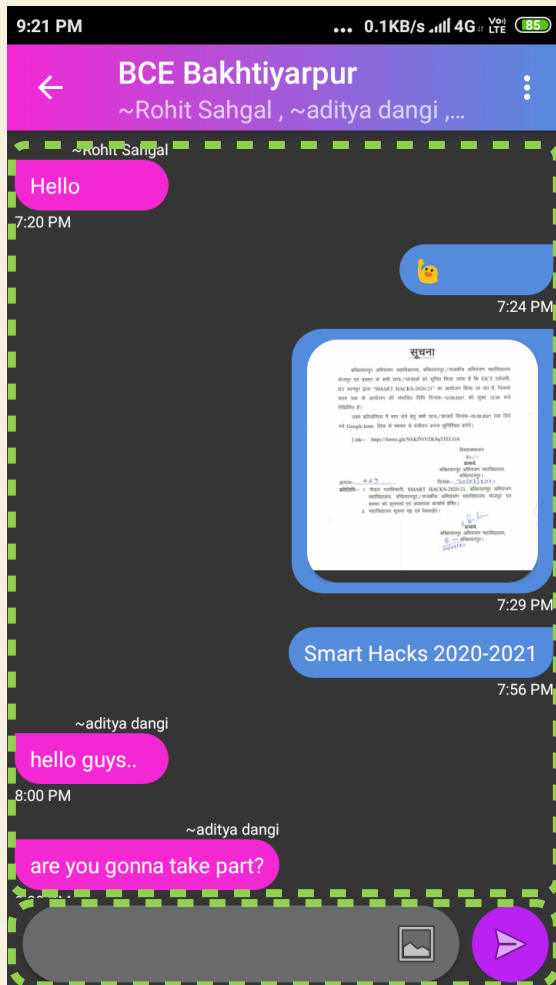
Click here to
upload/change dp
for group

Enter Group Name,
Group Range and Group
Description

Click on the
Button to create
new group



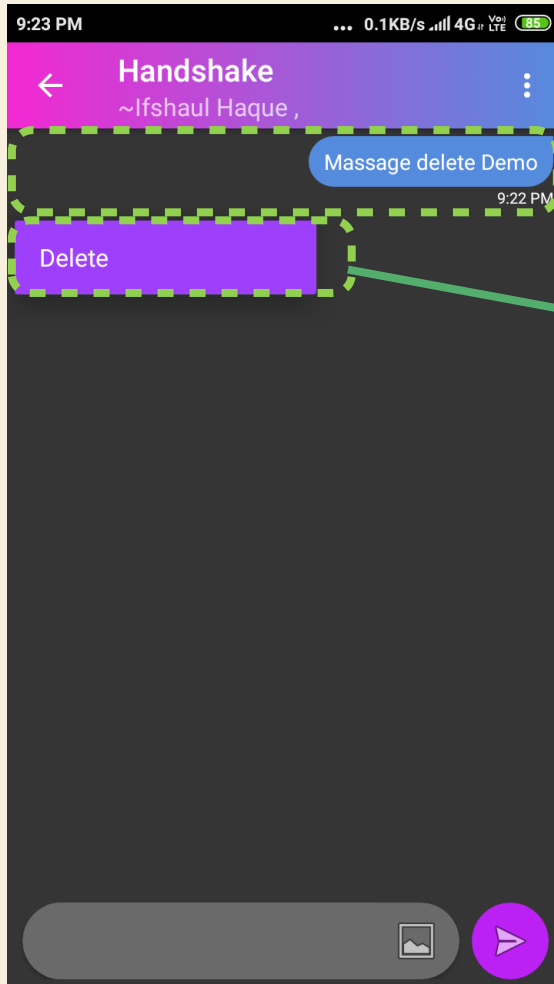
CHAT PAGE



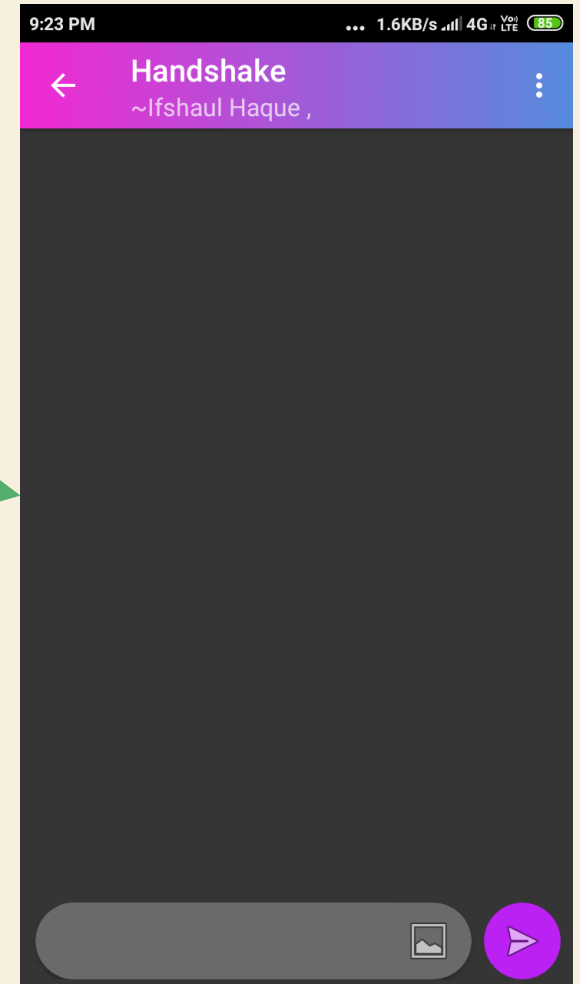
Messages

Message Sending section

MESSAGE DELETING



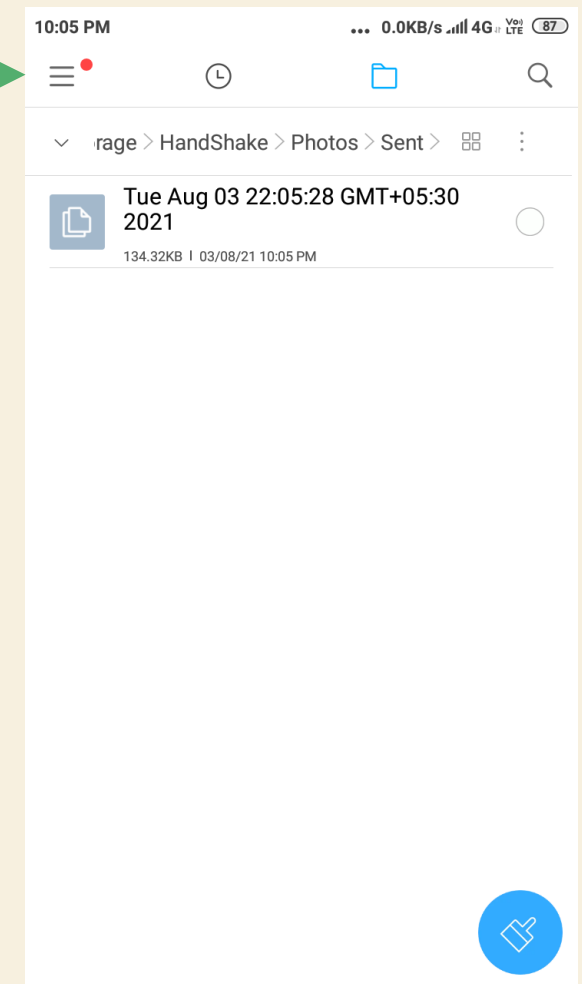
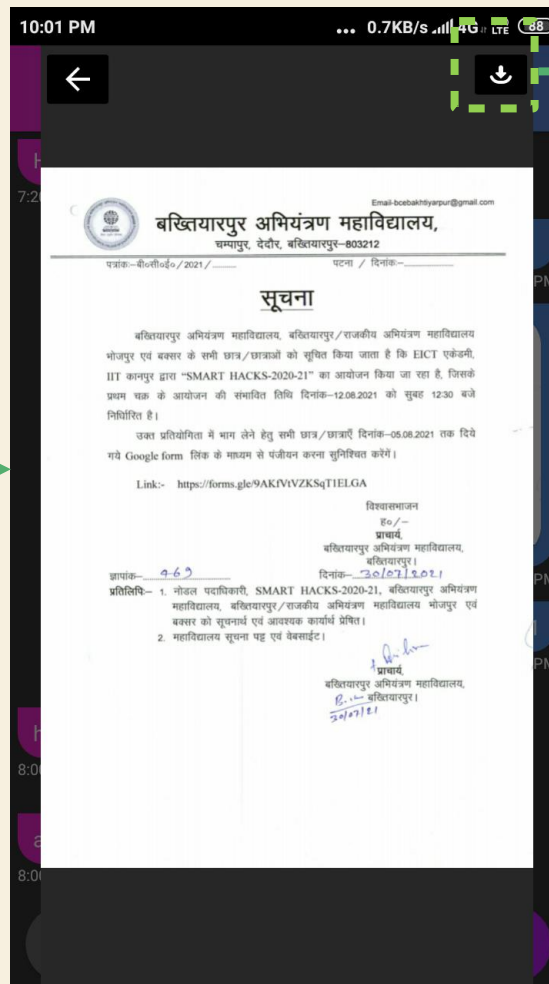
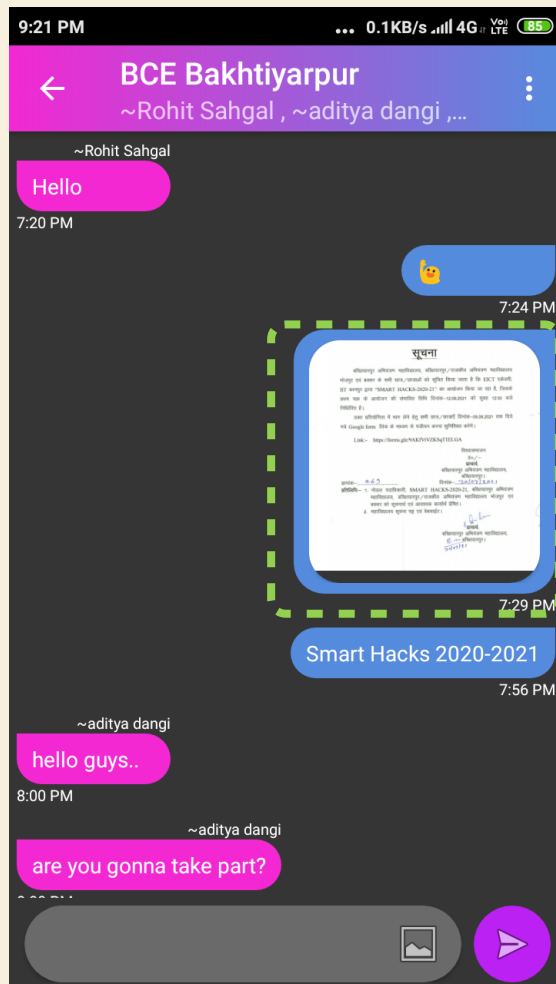
OnLongPress Delete
popup appear




```
private void deleteMessage(View view, Message message) {
    PopupMenu popupMenu = new PopupMenu(ChatActivity.this, view);
    popupMenu.inflate(R.menu.message_popup);
    popupMenu.show();
    popupMenu.setOnMenuItemClickListener(new PopupMenu.OnMenuItemClickListener() {
        @Override
        public boolean onMenuItemClick(MenuItem menuItem) {
            switch (menuItem.getItemId()) {
                case R.id.delete:
                    FirebaseDatabase.getInstance().getReference().child("Chats")
                        .child(getIntent().getStringExtra("groupId").toString())
                        .child("Messages")
                        .child(message.getChatId())
                        .removeValue();

                    return true;
            }
            return false;
        }
    });
}
```

IMAGE DOWNLOAD



```

viewHolder.sendMessageImageView.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        detailedImageDialog.setContentView(R.layout.detailed_image_pop_up);
        detailedImageDialog.show();
        ProgressBar progressBar = (ProgressBar)detailedImageDialog.findViewById(R.id.spin_kit);
        ImageView imageView = (ImageView)detailedImageDialog.findViewById(R.id.imageView);
        ImageButton back = (ImageButton)detailedImageDialog.findViewById(R.id.back);
        ImageButton download = (ImageButton)detailedImageDialog.findViewById(R.id.download);
        Glide.with(ChatActivity.this).load(message.getImages()).listener(new RequestListener<Drawable>() {
            @Override
            public boolean onLoadFailed(@Nullable GlideException e, Object model, Target<Drawable> target, boolean
isFirstResource) {
                return false;
            }

            @Override
            public boolean onResourceReady(Drawable resource, Object model, Target<Drawable> target, DataSource dataSource,
boolean isFirstResource) {
                progressBar.setVisibility(View.GONE);
                return false;
            }
        }).into(imageView);
        detailedImageDialog.getWindow().setBackgroundDrawable(new ColorDrawable(Color.argb(0,0,0,0)));

        back.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                detailedImageDialog.dismiss();
            }
        });
    }
});

```

```

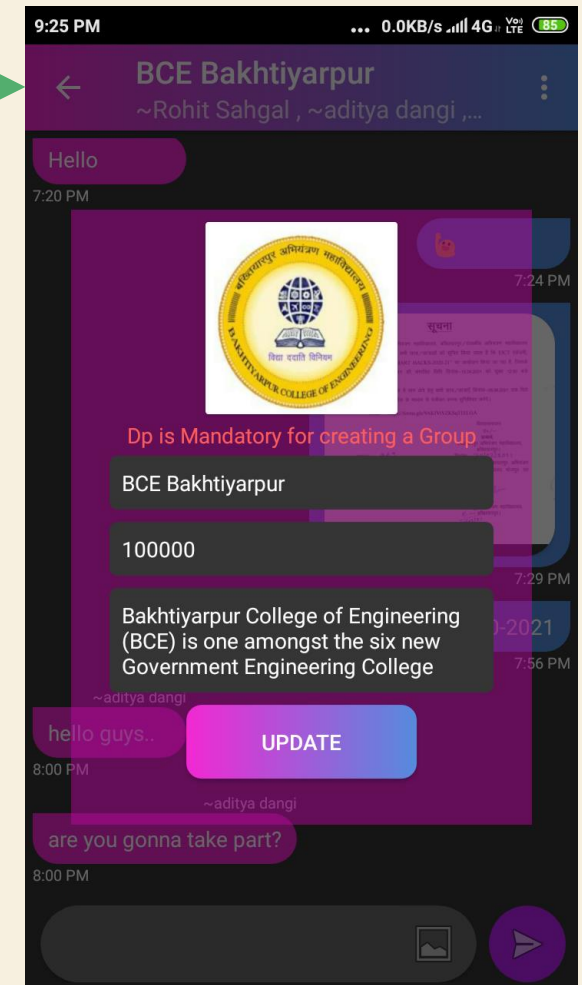
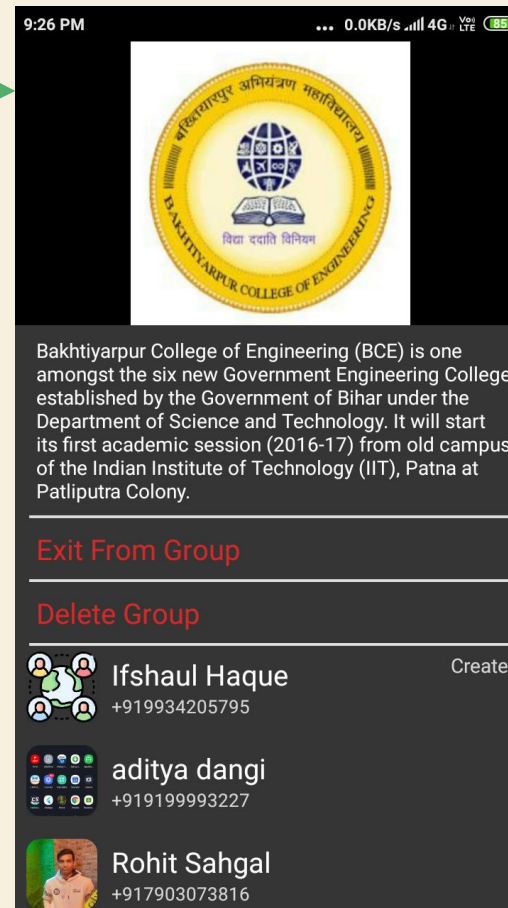
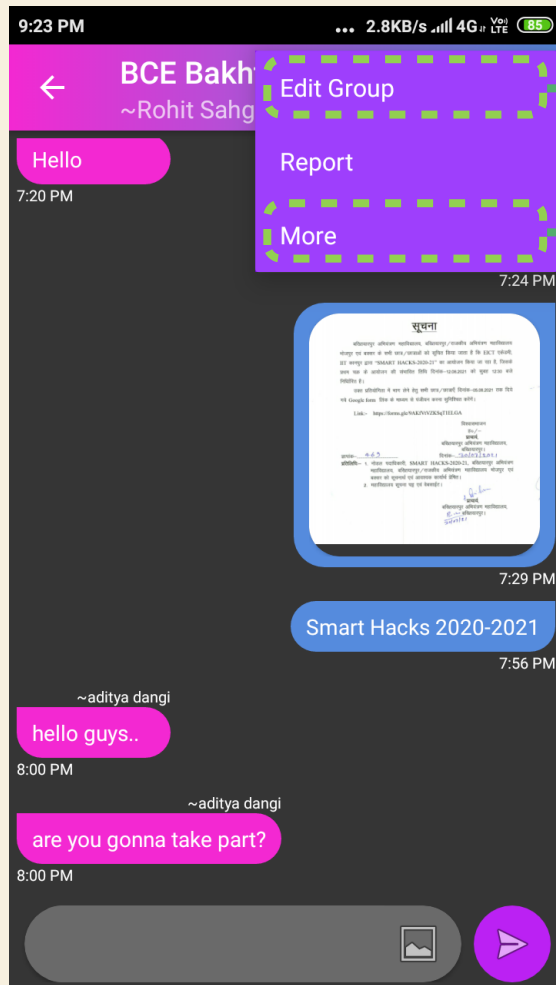
download.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        requestStoragePermission();
        try {
            File path = new File("/HandShake/Photos/Sent");
            if (!path.exists()){
                path.mkdirs();
            }
            downloadManager = (DownloadManager) getSystemService(DOWNLOAD_SERVICE);
            Uri uri = Uri.parse(message.getImage());
            DownloadManager.Request request = new DownloadManager.Request(uri);
            request.setAllowedNetworkTypes(DownloadManager.Request.NETWORK_WIFI |
DownloadManager.Request.NETWORK_MOBILE);
            request.setAllowedOverRoaming(false);
            request.setTitle("Photo");
            request.setDescription("From HandShake");

            request.setDestinationInExternalPublicDir(path.toString(), Calendar.getInstance().getTime().toString());
            downloadReference = downloadManager.enqueue(request);
            Toast.makeText(ChatActivity.this, "Download Started", Toast.LENGTH_SHORT).show();
        } catch (Exception e) {

        }
    }
});
}
});

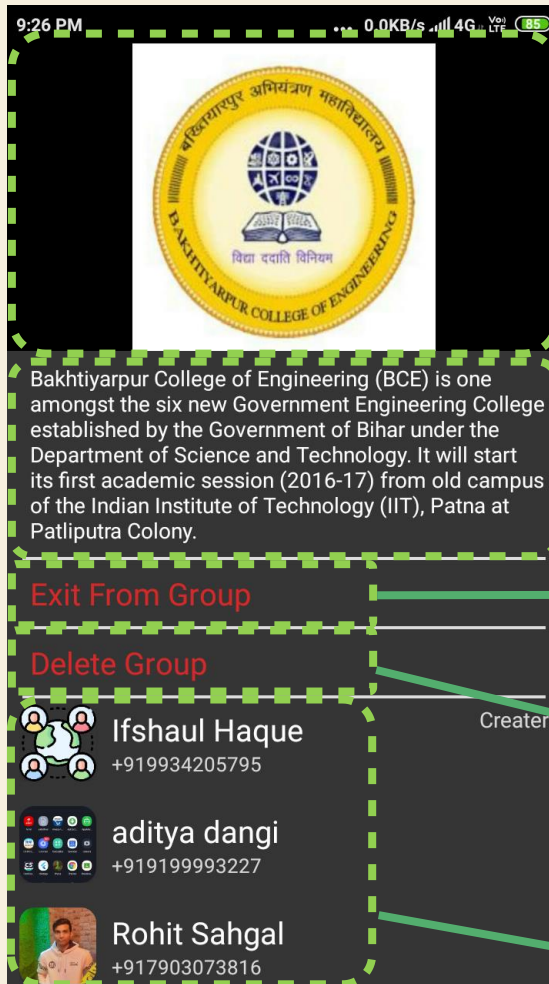
```

CHAT PAGE OPTION MENU



```
@Override
public boolean onOptionsItemSelected(@NonNull MenuItem item) {
    switch (item.getItemId()) {
        case android.R.id.home:
            startActivity(new Intent(ChatActivity.this, MainActivity.class));
            finish();
            return true;
        case R.id.more:
            Intent intent = new Intent(ChatActivity.this, GroupDetailsActivity.class);
            intent.putExtra("groupId", getIntent().getStringExtra("groupId").toString());
            startActivity(intent);
            return true;
        case R.id.editGroup:
            groupEditProcess();
            return true;
        case R.id.exit:
            exitFromGroup();
            return true;
    }
    return super.onOptionsItemSelected(item);
}
```

GROUP DASHBOARD



Group DP

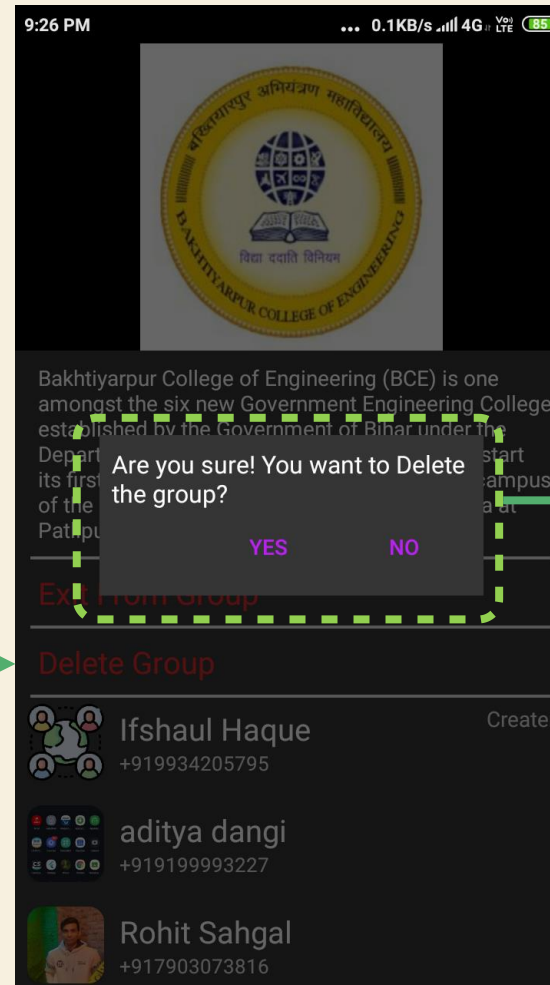
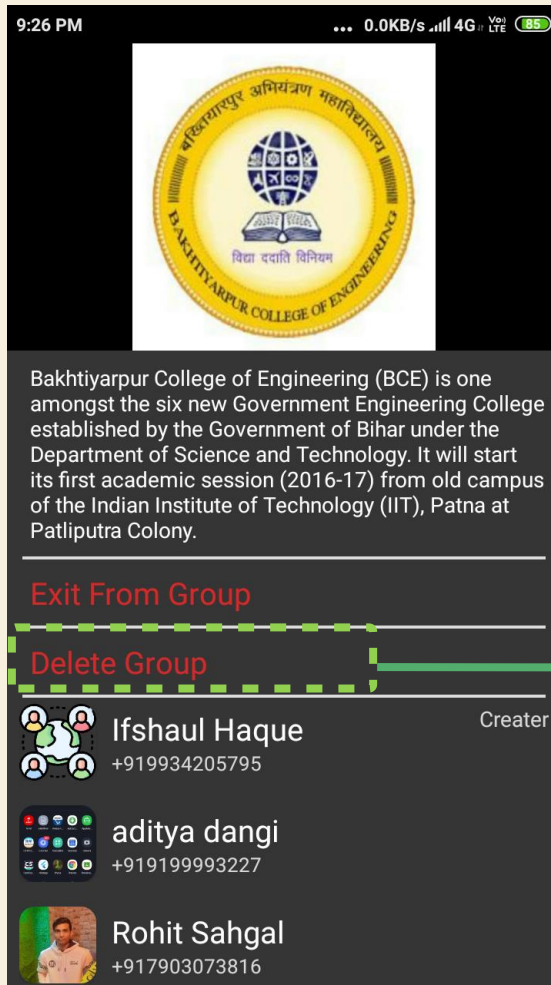
Group Description

Click here to leave the Group

Click here to Delete the Group (Only Admin can Delete)

Group Members

GROUP DELETION



Confirmation Dialog
Click on Yes to proceed
Deletion
Click on No to cancel
the Deletion


```

group_deleteGroupTextView.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
//        deleteGroup();
        confirmationMessageDialog.setContentView(R.layout.confirmation_popup);
        confirmationMessageDialog.show();
        confirmationMessageDialog.getWindow().setBackgroundDrawable(new ColorDrawable(Color.argb(0,0,0,0)));
        confirmationMessageDialog_MessageTextView =
(TextView)confirmationMessageDialog.findViewById(R.id.confirmationMessage);
        confirmationMessageDialog_YesButton = (Button)confirmationMessageDialog.findViewById(R.id.yes);
        confirmationMessageDialog_NoButton = (Button)confirmationMessageDialog.findViewById(R.id.no);

        confirmationMessageDialog_MessageTextView.setText("Are you sure! You want to Delete the group?");

        confirmationMessageDialog_YesButton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Toast.makeText(GroupDetailsActivity.this, "Deleting....", Toast.LENGTH_SHORT).show();
                deleteGroup();
                confirmationMessageDialog.dismiss();
            }
        });

        confirmationMessageDialog_NoButton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                confirmationMessageDialog.dismiss();
            }
        });
    }
});

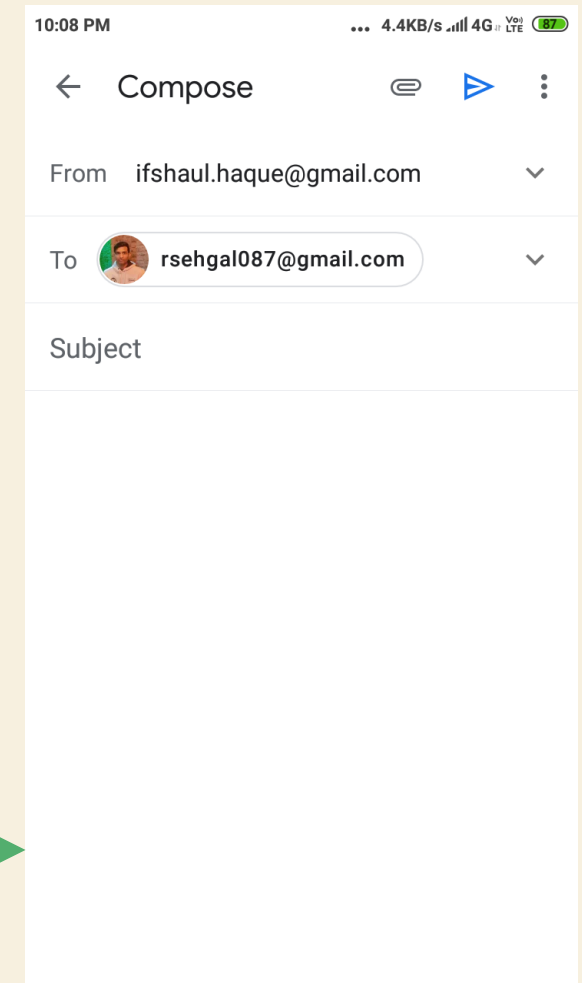
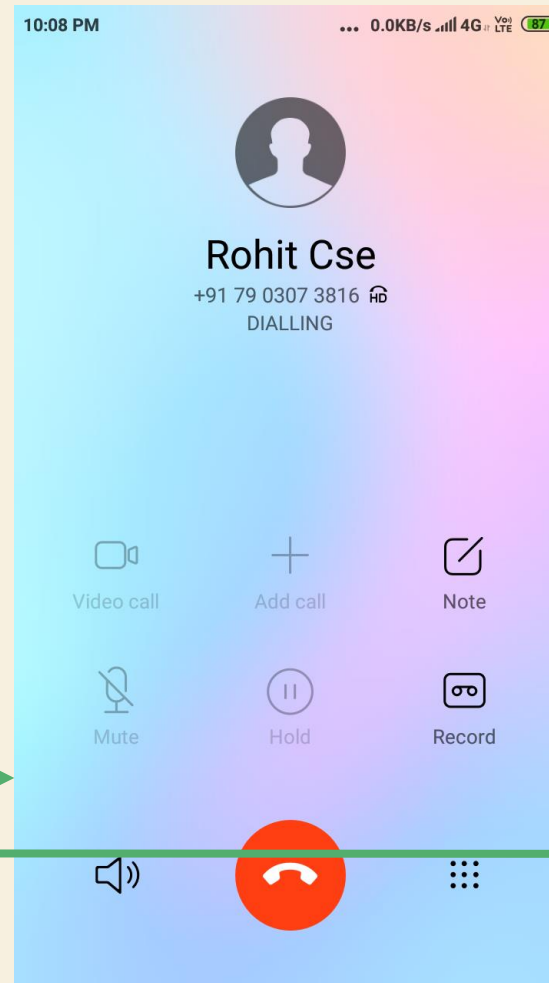
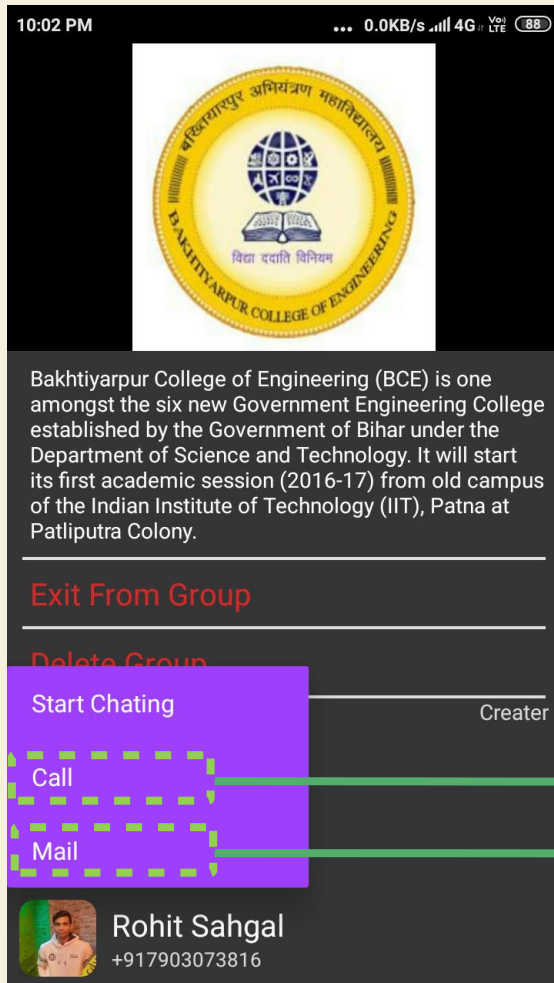
```

```

private void deleteGroup() {
    if (currentUserPhoneNumber.equals(groupCreatorPhoneNumber)){
        firebaseFirestore.collection("Group").document(groupId)
            .get()
            .addOnSuccessListener(new OnSuccessListener<DocumentSnapshot>() {
                @Override
                public void onSuccess(DocumentSnapshot documentSnapshot) {
                    firebaseFirestore.collection("Join").whereEqualTo(documentSnapshot.getString("groupName"),groupId)
                        .get()
                        .addOnSuccessListener(new OnSuccessListener<QuerySnapshot>() {
                            @Override
                            public void onSuccess(QuerySnapshot queryDocumentSnapshots) {
                                for (DocumentSnapshot snapshot : queryDocumentSnapshots.getDocuments()) {
                                    Map<String, Object> deleteData = new HashMap<>();
                                    deleteData.put(documentSnapshot.getString("groupName"), FieldValue.delete());
                                    snapshot.getReference().update(deleteData).addOnSuccessListener(new OnSuccessListener<Void>() {
                                        @Override
                                        public void onSuccess(Void aVoid) {
                                            documentSnapshot.getReference().delete()
                                                .addOnSuccessListener(new OnSuccessListener<Void>() {
                                                    @Override
                                                    public void onSuccess(Void aVoid) {
                                                        firebaseDatabase.getReference().child("Chats")
                                                            .child(groupId)
                                                            .removeValue()
                                                            .addOnSuccessListener(new OnSuccessListener<Void>() {
                                                                @Override
                                                                public void onSuccess(Void aVoid) {
                                                                    Toast.makeText(GroupDetailsActivity.this, "Group Deleted Successfully",
                                                                    Toast.LENGTH_SHORT).show();
                                                                }
                                                            });
                                                        startActivity(new Intent(GroupDetailsActivity.this, MainActivity.class));
                                                        finish();
                                                    }
                                                });
                                        }
                                    });
                                }
                            }
                        });
                    }
            });
    }
}

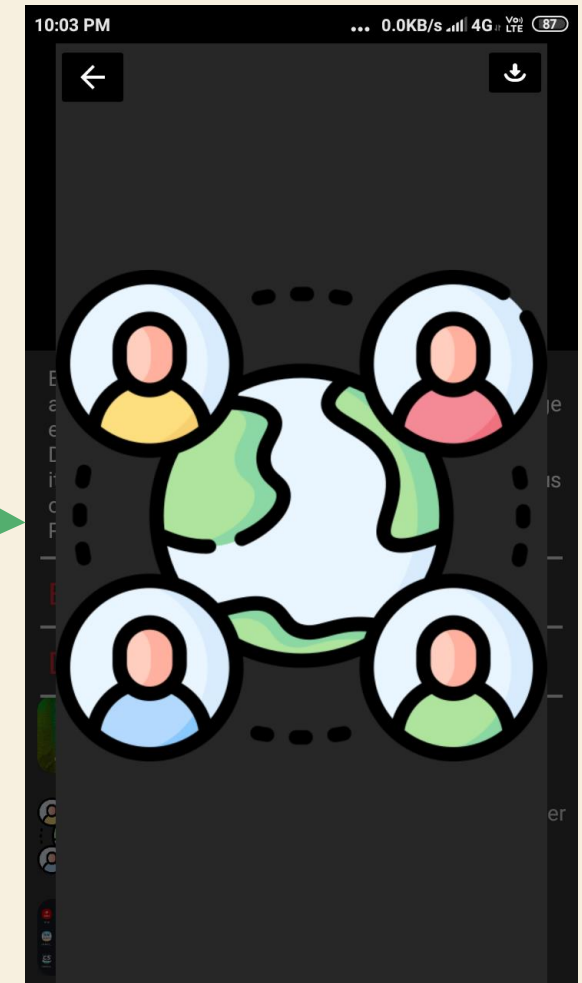
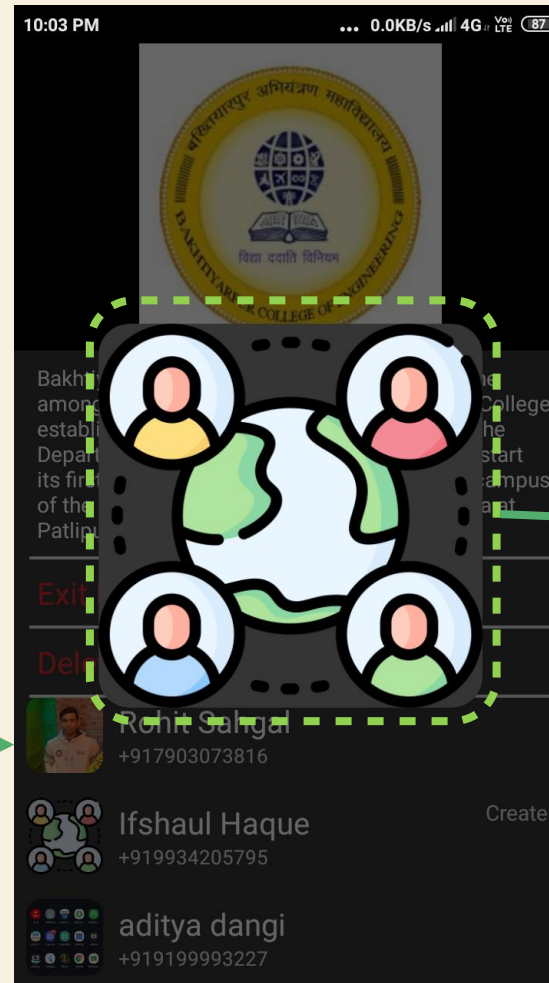
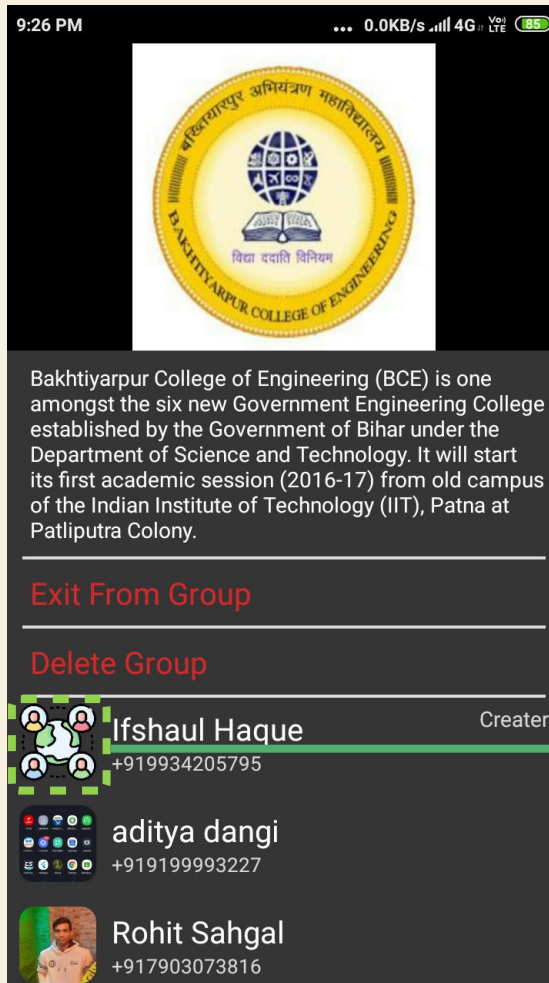
```

GROUP MEMBERS POPUP OPTIONS



```
popupMenu.setOnMenuItemClickListener(new PopupMenu.OnMenuItemClickListener() {  
    @Override  
    public boolean onMenuItemClick(MenuItem menuItem) {  
        switch (menuItem.getItemId()) {  
            case R.id.startChating:  
                Toast.makeText(context, "chating", Toast.LENGTH_SHORT).show();  
                return true;  
            case R.id.call:  
                requestCallPermission();  
                Intent intent = new Intent(Intent.ACTION_CALL);  
                intent.setData(Uri.parse("tel:"+userList.get(position).getPhoneNumber().toString()));  
                startActivity(intent);  
                return true;  
            case R.id.mail:  
                String[] to = {userList.get(position).getEmail()};  
                Intent intent1 = new Intent(Intent.ACTION_VIEW);  
                intent1.setData(Uri.parse("mailto:"));  
                intent1.putExtra(Intent.EXTRA_EMAIL,to);  
                startActivity(intent1);  
                return true;  
        }  
        return false;  
    }  
});
```

GROUP MEMBER DP



A decorative graphic on the left side of the image consisting of two parallel, wavy vertical lines. The outer line is a light cream color, and the inner line is a vibrant green. They start from the top left and extend towards the bottom left, creating a stylized, organic shape.

THANK YOU