

## Group no: 18

### Vulnerability Type:

Functional (with security concern)

**Description:** In this there is no virtual keyboard for OTP verification but it was required.

### Steps to Reproduce:

- 1) Go to the url: <https://192.168.3.44/signup>
- 2) Enter the details and signup.
- 3) Then in email verification, there is no virtual keyboard present and it just takes a text input.

**Proof of Concept:** I entered the details and signed up. Then i go

The image displays two screenshots of the SocialSphere web application during the signup process. Both screenshots are taken from a browser window showing the URL <https://192.168.3.44/signup>.

The left screenshot shows the 'Enter Details' step (Step 1 of 2). The form includes fields for Email (PARISHAMEERUT@GMAIL.COM), Username (parisha), Full Name (parisha), and Password (masked with dots). A 'Send OTP' button is visible below the password field. At the bottom, there is a 'Continue with Google' button and a 'Log in' link for existing users.

The right screenshot shows the 'Verify Email' step (Step 2 of 2). A green success message states 'OTP sent successfully! Please check your email.' Below this, there is an 'Enter OTP' field. Two buttons are present: 'Back' and 'Verify OTP & Create Account'. At the bottom, there is a 'Log in' link for existing users.

### Impact:

This violates the OTP with virtual keyboard requirement as specified as virtual keyboard entry was necessary for sensitivity activity like OTP based verify as written in the pdf for course project requirement. This can also be a security concern due to the higher risk of credential theft by keyloggers or a browser malware.