

## Human Factors in Security

-Srujan

- Users ignore security functionality
- Psychological acceptability
- Users are idiots
- Security people are idiots

### Bad Lessons users learn

- Expired Certificates
- Unauthenticated emails/phone calls
- SSL disabled usually
- Random Redirects
- Random failures

### Challenges:

- Users untrained
- Users may not care about security
- Heterogeneous software
- Different languages and ages
- Weakest link
- Security failure silently
- Users need good feedback
- Dialog Fatigue

### Machine registration/authentication

- Answer security questions
- Sets a cookie
- Can login only with cookie and correct password

Cookie is better than saving IP address for preventing security questions.

### Conditional safe ceremonies:

- Stops asking answer security questions but initially it should click on link in registration email
- It sets cookie
- Can login only with cookie and correct password

Using password Hash:

User enters password and submits the password to Hash function