ScreenSage Android App - Basic workflow, by Devashish Kaushik

Concept: Work with your friends to stop your screen from controlling you

Features:
- Total screen usage time monitoring
- Daily App-wise screentime breakdown
- Time series plotting of screentime
- Screen usage regression trends calculation and display
- Account creation
- PvP screentime comparison over time
- Notification alerts for appwise and total screen usage
- Badges and achievements for users

Core features:
- Total screen usage time monitoring
- Account creation
- PvP screentime comparison over time

First time user workflow:
User opens app → Sees welcome screen → Asked to register with phone number → Asked for contacts permission → Asked to set desired screen usage target → Asked to choose apps which are used strictly for work

Daily usage workflow:
Constant monitoring off appwise screen usage, NOTIFICATION IF:
- Notification everytime screen usage has reached 50%, 75%, 100%, 150%, 200% and 300% of daily target
- Notification after every 30 min of using work apps
- Notification after every 10 minutes of using other apps

On opening app workflow:
Screen displays that day's total and app-wise usage + total app usage trend for week + most used apps
Option menu goes to:
- Challenge friend: Creates a 2-person group (using user accounts linked to phone number) and tracks their daily total usage
- View challenge: Shows 1 vs 1 comparison
- Trends: Shows trends for only the user

- Accomplishments: Shows badges and achievements

Accounts concept:
- All usage data is stored locally and encrypted to prevent access by other apps
- Server only stores basic account info
- Intra-group comparisons use end to end encryption

Friends/ Challenge concept:
- This needs a better name
- Basically a 1 vs 1 comparison
- Opening this displays:
  - Who has less screentime today
  - Most used daily, weekly and all time app for both
  - Weekly, monthly and all time reports of variation of total screentime for both
  - Draws a trend line in weekly, monthly and all time reports
- Could be extended for 1+ people with less dense sampling for reports (**Groups**)

Trends concept:
- Use regression to get an overall trend of variation
- Use linear regression for weekly or lesser trends
- Use cubic for monthly
- Use fifth degree for higher ones (Consider using KRR or DNN)

Accomplishments concept:
- Basically like video game achievements
- Ideas:
  - A week/ month of declining screentime, monthly aggregate screentime decrease
  - Beat at least 3 friends in screentime for a week/ month straight
  - Don't spend more than 1 hour on any app, Reduce your weekly time on your most used app by 50% or more
  - Have your work apps consume >80% of your screentime
- Also show a rank based on average daily usage for past 30 days:
  - < 1 hour : Ascetic/ ब्रह्मज्ञाता
  - 1-2 hours : Seer/ ऋषि
  - 2-3 hours : Sage/ संत
  - 3-5 hours : Initiate/ बटुक
  - 5-8 hours: Layman/ गृहस्थ
  - 8-10 hours: Libertine/ मनमौजी
  - 10+ hours: Scoundrel/ बदमाश

Logo:

Depicts a Sage in a Screen
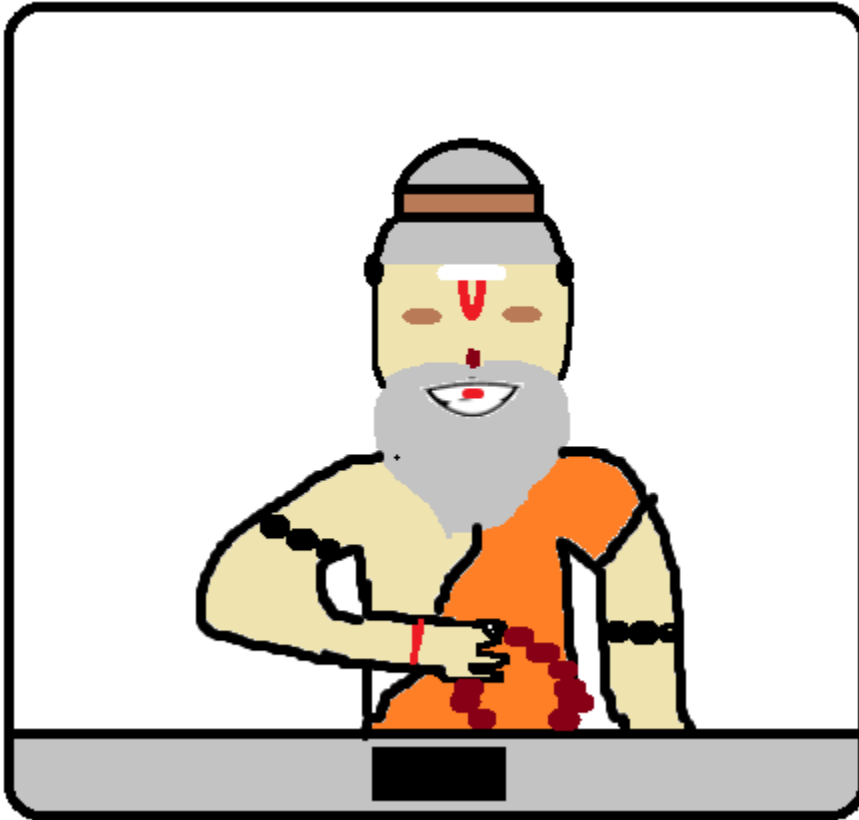
Example screens:
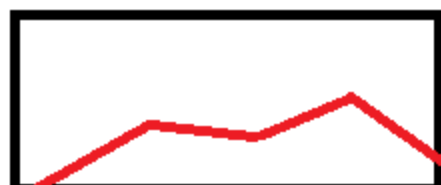
REGISTER

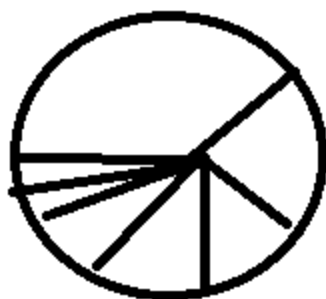# LOGIN

ABOUT US

SUPPORT US

**Today's scrrentime:
5 hours**

Most used:
Instagram: 2 hours
YouTube: 1 hour
Whatsapp: 45 minutes'
Gmail: 15 minutes

Challange: vs Anuj

You are WINNING!
Username: 5 hours
Anuj: 7 hours

This week