**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:**

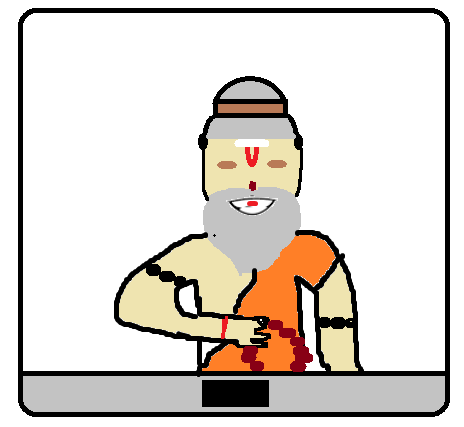
* Use regression to get an overall trend of variation
* Use linear regression for weekly or lesser trends
* Use cubic for monthly
* Use fifth degree for higher ones (Consider using KRR or DNN)

**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/ ब्र्ह्मज्ञाता
  + 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:**

