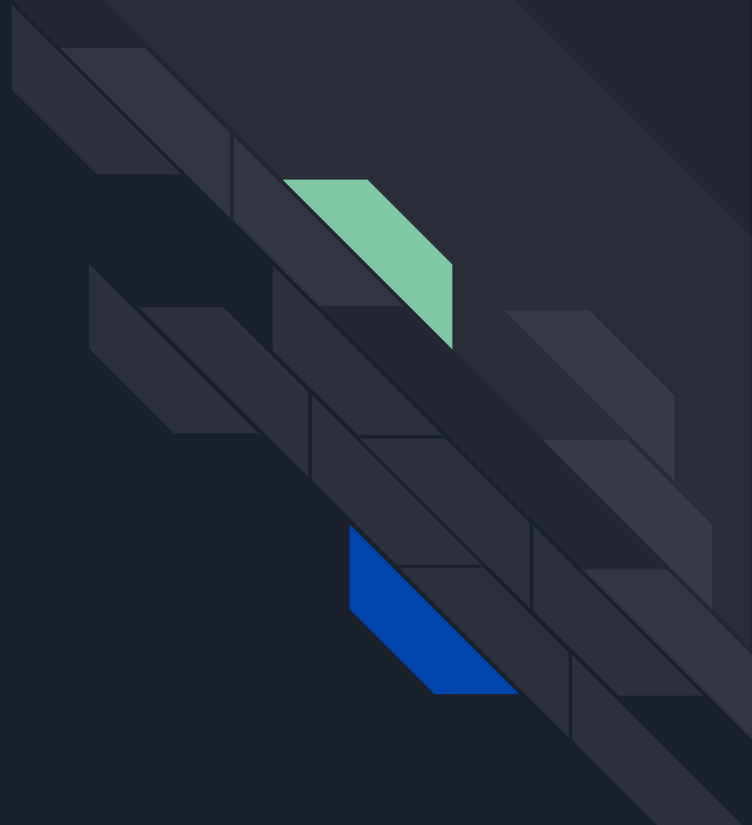




# *BATTERY* *AND* *DATA* *OPTIMISER*

By team tech.





## DB OPTIMIZER



Optimize Data



Optimize Battery



Ultradata Saver



Ultrabattery Saver



**SUBJECT OF MATTER :**THE BASIC IDEA OF THE APP IS TO MINIMIZE THE WASTAGE OF DATA IN OUR RESPECTIVE ANDROID DEVICES WITH AN INBUILT BATTERY OPTIMISER IN IT, TO SOLVE THE BATTERY ISSUES TOO.

## *Motivation behind the idea :*

- Usage and cost of internet data packs is increasing day by day
- Background data restriction is not available in all the devices we have
- Background data restriction disable the hotspot
- PC and Laptop consumes more data as compared to other devices
- Unwanted updates and downloads also leads to wastage of data
- Applications running in the background wastes battery ,uses RAM and sometimes the data also
- The already existing features to save data in our devices crashes the whole application
- Sometimes it become a complex part for us to alter the setting of our device to increase our battery life and save the data
- The new upcoming technologies increase the data usage like introduction to 5G feature



## **WORKING OF OUR APPLICATION :**

WE BASICALLY DIVIDE OUR APP INTO 2 PARTS ,ONE FOR DATA AND OTHER ONE FOR BATTERY OPTIMISATION .ALSO IT WOULD HAVE A SPECIAL FEATURE CALLED SUPER POWER AND DATA SAVER FOR EMERGENCY PURPOSES .

WE WOULD TALK FURTHER ABOUT THEM ONE BY ONE ,

## ***Battery saver:***

- Decrease the timeout of display(30s)
- Allow only five selected apps in the background
- Decrease the brightness of screen(40%)
- Turn off unnecessary notifications(selected by user)
- Take permission before turning on bluetooth,hotspot,wi-fi etc.
- Turn off all the vibrations
- Silent notifications except incoming calls
- Disable flashlight and some camera settings
- Restrict some apps reducing the battery life(can be changed by user)
- limit the number of user connected to device hotspot(1-2only)
- Turn off notification lights

## Optimize Battery



Background Application Setup



Brightness



Connection Setup



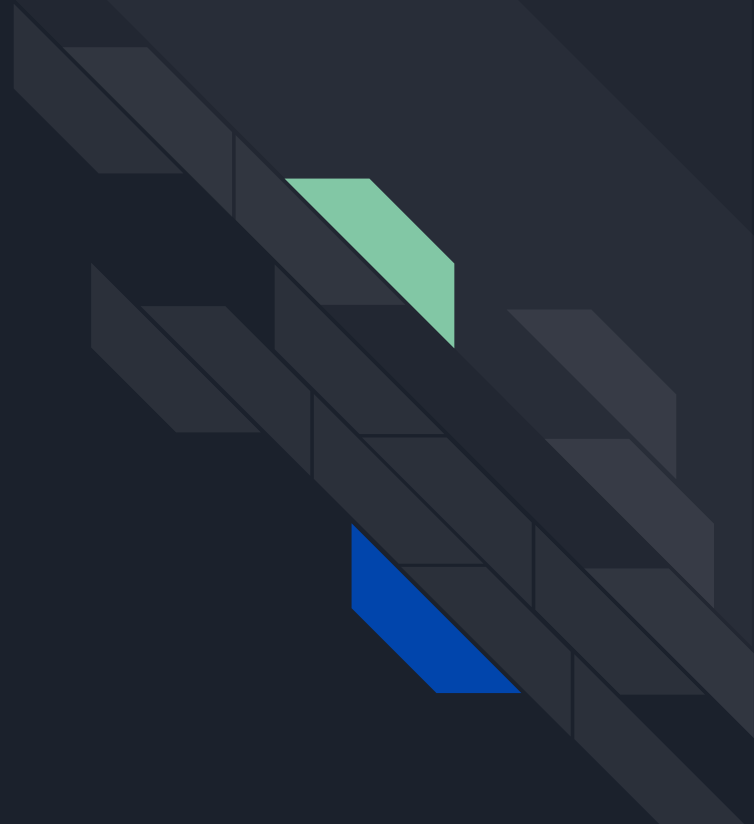
Flashlight/Camera Setup



Notification Setup



Set Display Timeout





## ***Data Saver***

- We would set up a datalimit (by user) for each application we use
- We would enable hotspot with max one connected (by default)
- Ask before each update or installation of any application so as to choose mode of data supply(Wifi or Cellular connection )
- Turn off all the backups such as photos on Google Photos,chats on social medias and mobile backup too
- Turn off push mail system
- Take permission before any new application uses data in background

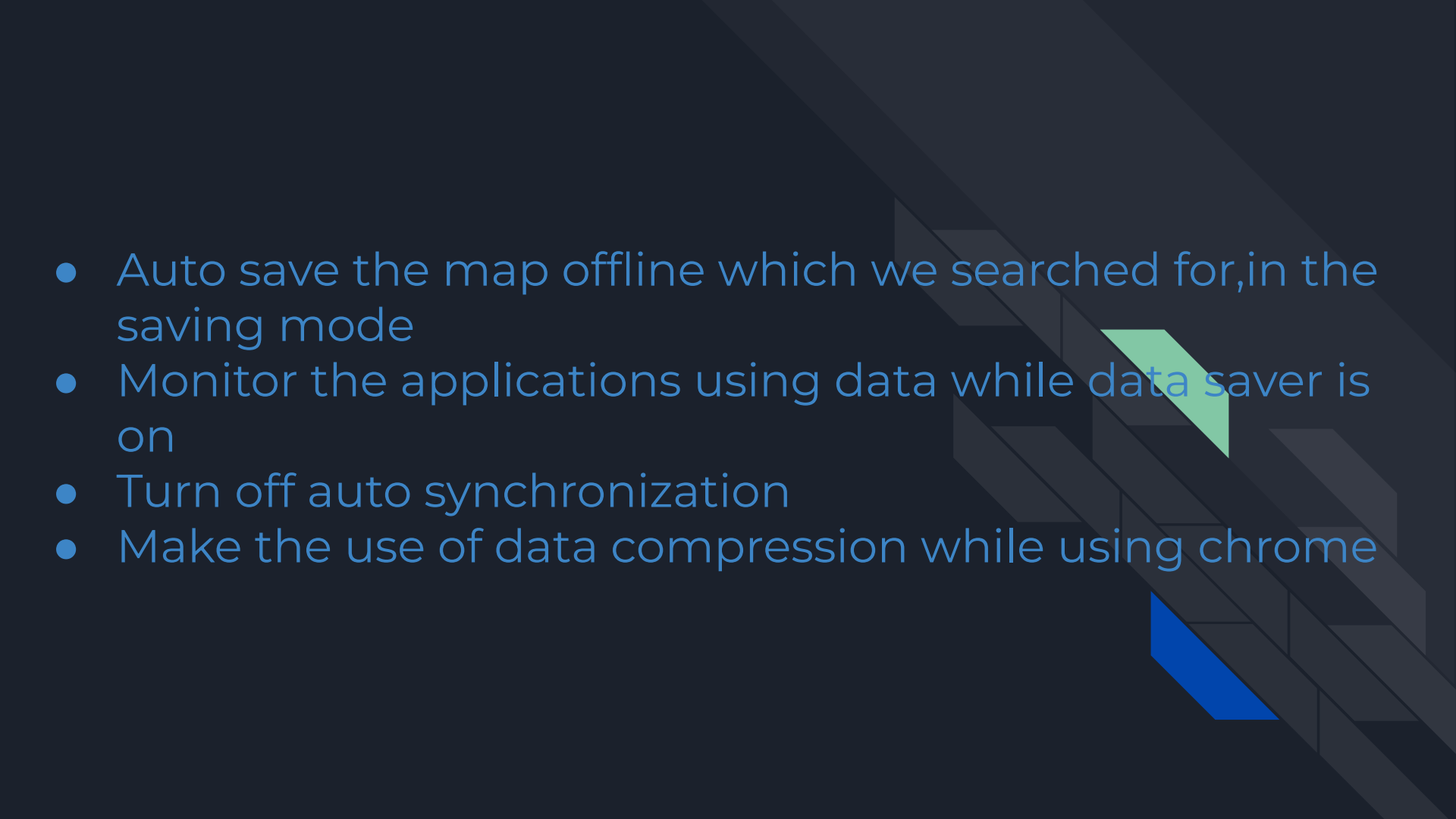
- AS WE MENTIONED ABOVE THIS APPLICATION WOULD NOT CRASH THE APP AS WHOLE , AT THAT PLACE IT WOULD MAKE THE USE OF ALREADY EXISTING FEATURES OF THE SOO CHOSEN APPLICATION , SO THAT WE ARE NOT REQUIRED TO TURN THOSE ON SEPERATELY .

Like,

1. Instagram- the inbuilt button of data saver would be turned on which decreases video quality .
2. Spotify , jio saawan -turn on data saver and decrease audio quality.
3. Twitter- its data saver dereases vidio quality and disable the auto play feature.

4. Foxtel, Stan, Netflix- Turn on data saver(if exists) or lower down the quality from HD to somewhat lower

5. WhatsApp-Turn off auto-download media

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- Auto save the map offline which we searched for,in the saving mode
  - Monitor the applications using data while data saver is on
  - Turn off auto synchronization
  - Make the use of data compression while using chrome

## Optimize Data



Background Data Usage >>

Backup Setup >>

Connection Setup >>

Installation/Update Setup >>

Mail Setup >>

Set Data Limit >>



# *UltraBatterysaver and UltraDatasaver mode*

- *UltraBatterysaver mode:*

- Clear background data of apps after usage
- Disable hotspot and bluetooth
- Reduce brightness level(20-25%)
- Switch to dark mode
- Disable camera and flashlight
- Allow only incoming call no notification
- Allow only 1-2 apps to run at a time
- Introduce black screen background
- Disable all the vibrations and sounds
- Give an idea about battery life of the device

## Ultrabattery Saver



Hotspot

(ON/OFF)

Brightness



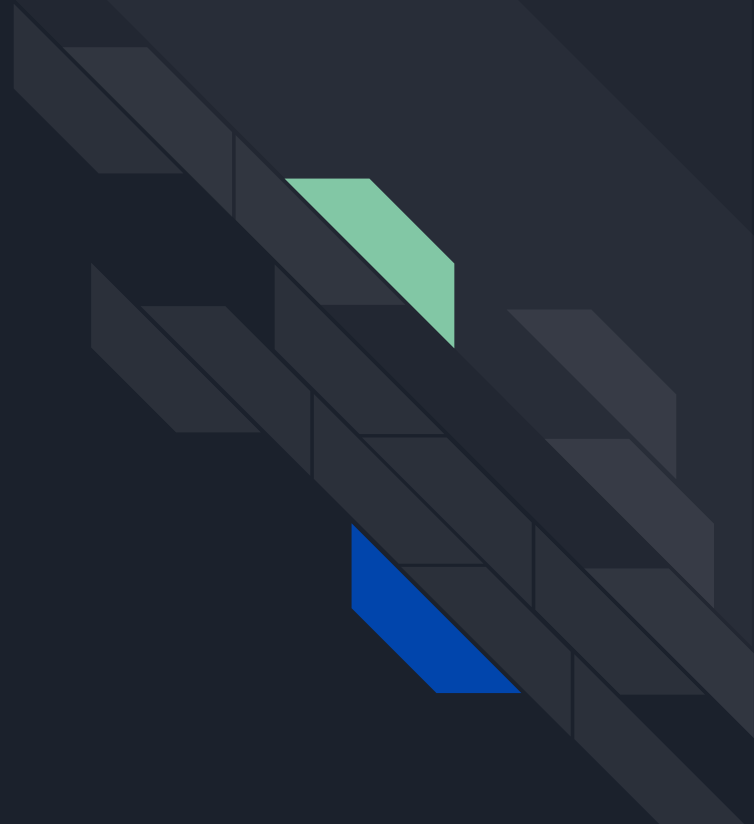
Flashlight

(ON/OFF)

Sound

(ON/OFF)

Battery Statistics



- ***UltraDataSaver mode***

- Force stop to background running applications
- Disable hotspot
- Restrict some apps to use data(default)



## Ultradata Saver



### Application Setup

#### Background Data Usage



Chrome



Discord



Drive



Google



Instagram



LinkedIn



Photos



Play Store



Telegram



Twitter

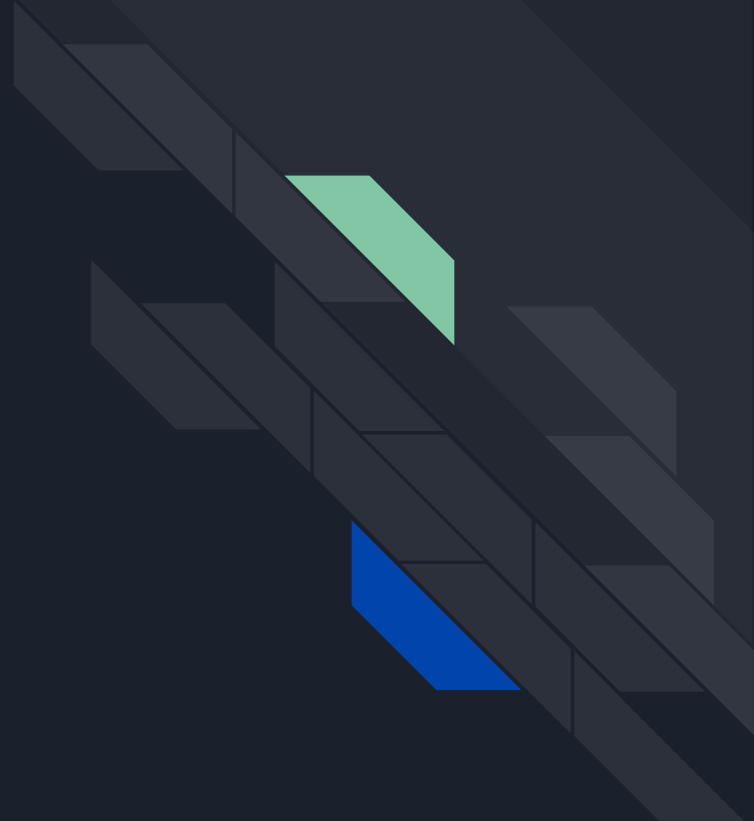


Youtube



# *Conclusion*

This is the perfect app that you are looking for to increase battery life and to optimise data which is a urgent need of society



*Thank You*

