



REKKAP

Mobile Innovation Center Yearly Report

2022

Project

VISION+



2022 we support various business units, we support app like Vision+, Vision+ Android TV, Vision+ 2.0 with Flutter, iGetSpot, Perindo, GJS Security, GJS Client, Parekraf Travel App, Motion Crypto, and Motion Fund.

Either support existing application, build from scratch, or revamp existing application we support with new and stable technology, like Android Framework with Kotlin, Ios Framework with Swift, and Flutter with Dart.



Project Summary

17

Project



Deliver on time



Minim issue

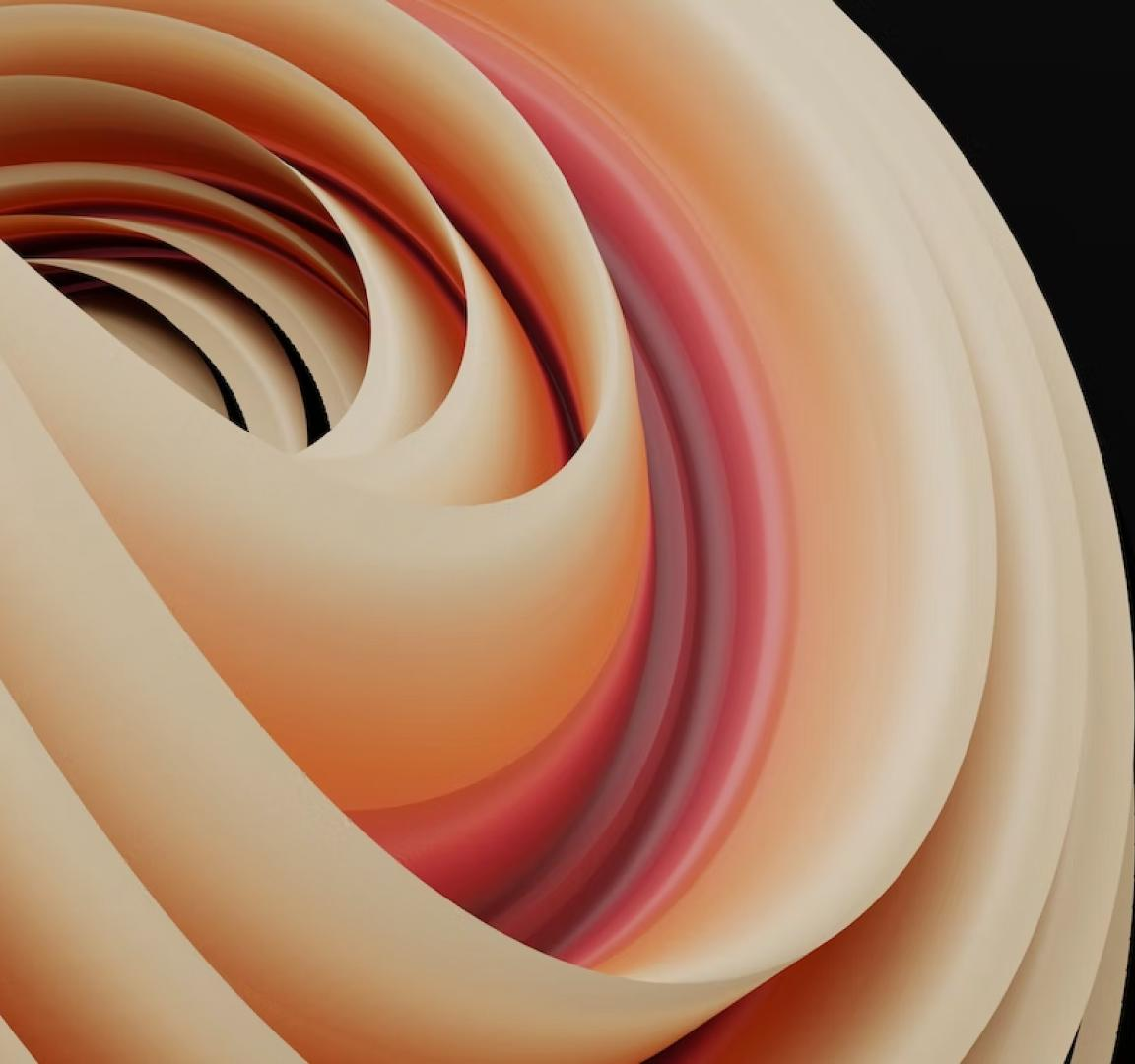


Happy Client



Well Delivered





Research Report

A Great Year For Research

2022 was great year, our team explore AI, blockchain technology, Media Manipulation and Declarative UI in mobile. many new technologies were explored and some old ones got updated. we also research NFT and cryptocurrencies.

There are three type of innovation.



Product
Innovation



Process
Innovation



Article
Innovation



Product Innovation

New



Vessl.art
NFT Marketplace

New



SES
Audio Editor

New



Identifier - Liveness
Human Validator

New



Cubicle
Video Editor

New



Identifier - KYC
ID card identifier



MNC Apps
App Collection SDK



Cubicle In App Video Editor

Video Editor

All modern video editor features like trim, merge, remove audio from video, arrange clip, rotate clip, and crop clip all available within your phone

Filters

Add effect video to alter its appearance . Filters are used to enhance the video, such as by improving its color, sharpness, or contrast

Edit Sound

Audio editing capabilities like adjusting the volume of the audio, removing background noise, adding special effects, and mixing multiple audio tracks together.

Edit Text

Add text to a video clip. Include titles, captions, or other text-based elements that are overlaid on top of the video. Allows you to control the font, size, color, and position of the text

Edit Image

Edit the still images that are included in a video clip. This can include cropping, rotating, or resizing the images, as well as adjusting their color, brightness, or contrast.

Add Music

Add external music, to enhance the audio of the video, or to create a specific mood or atmosphere. Adding external music to a video used to create a more professional-sounding final product, or to add a personal touch to the video.



Sell Digital Art

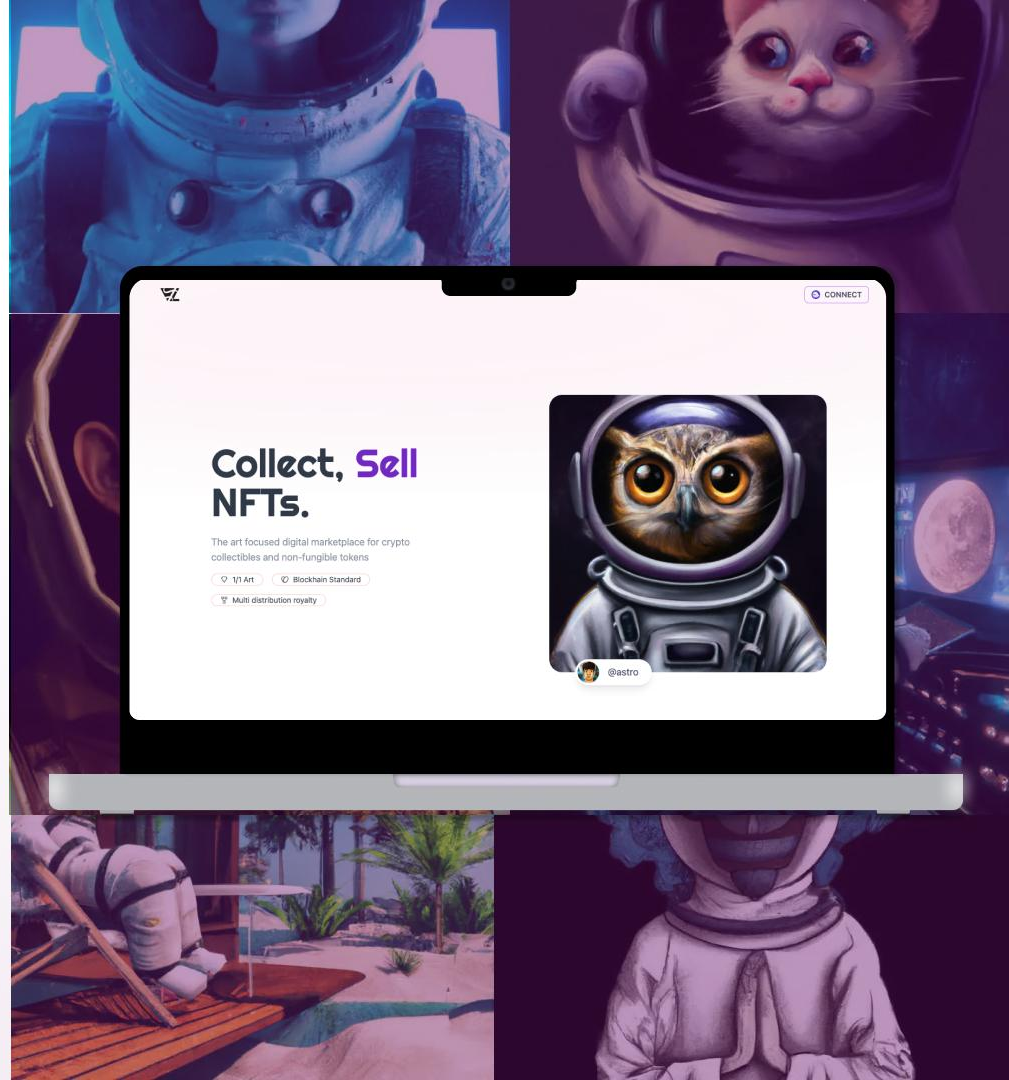
MNC Ecosystem produce a lot of content, we created this marketplace to distribute exclusive MNC NFT.

Multi distribution royalty

NFT can share royalty to creator, in this platform the royalty can share to other like producer, owner, or creator family.

Standard NFT

Our NFT follow blockchain nft standard on Solana ecosystem, so our NFT are can interact with any platform





Record & Import
Audio Files



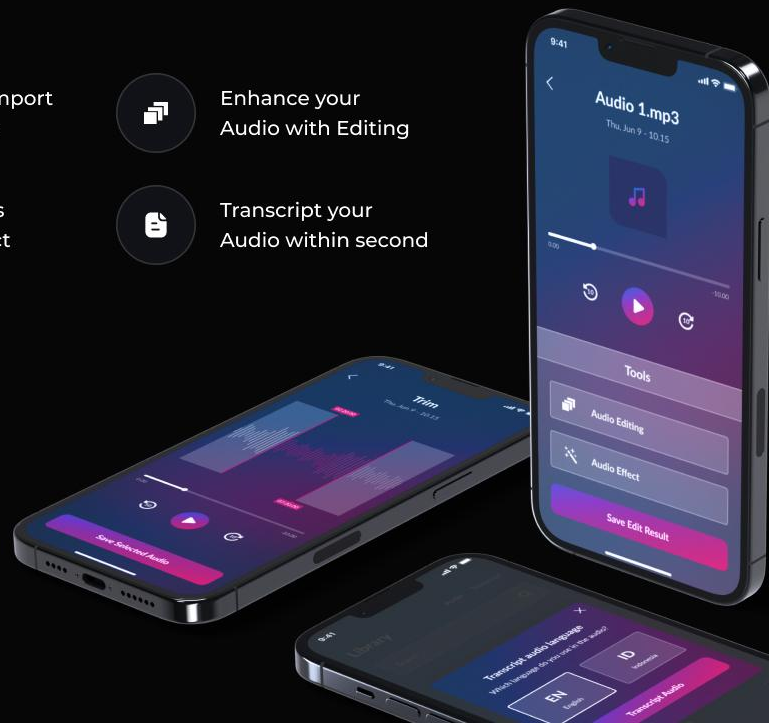
Enhance your
Audio with Editing



Use Various
Audio Effect



Transcript your
Audio within second



Identifier OCR

Identify National ID with Artificial Intelligence

 Realtime  80%+ Accuracy

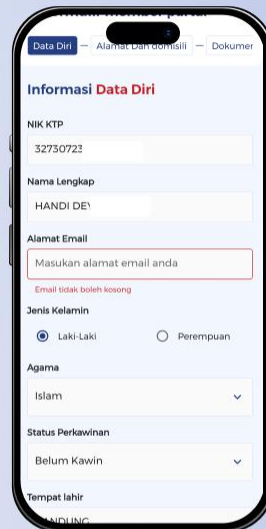
OCR with AI technology can be used in the context of eKYC (electronic know your customer) to quickly and accurately extract information from identity documents. For user this makes it faster and easier to verify their identity. Instead of having to manually enter their personal information, they can simply scan their identity document using a smartphone



Scan



Auto Cropped



Auto Filled



Identifier Liveness

Identify either user are real human or not.

Liveness detection is a type of biometric security measure that is used to verify that a person is present at the time of the biometric scan. This is often used in electronic know your customer (E-KYC) processes to ensure that the person providing their biometric information is actually present and not using a fake or stolen identity. Our active detection ask user in realtime test like, Smile, Nod, Tilt, Close eye, and Open mouth.

All product innovation capabilities are available to
implement for all MNC Group business digital product

Process Innovation

New



Flutter Modular

New



Android Modular

New



OPEN API Spec Standard

New



Flutter CI/CD

New



UI BANK

New



Android CI/CD



Git Standard



IDE Standard



Flutter Standard



Android Standard



iOS Standard

Article Innovation

How to setup Android CI/CD in MNC Repo

FFmpeg - Compressing Large Size Video

Microflutter, Make flutter development faster by 4X

Flutter at MNC 2 years later. Adopting new tech for fast dev in mobile development

Which minimum iOS version should your app support?

OPEN API Spec - Global Standard. Generated Code

How to generate open api spec and integrate with workflow

Low code in mobile app development

Crypto Wallet and how to make it

What is Cryptocurrency and How To Create One?

Coin Trade

Web 3 intro, learning road map and bad side of it

What is NFT? How does it works?

Intro to Metaverse

Android Jetpack Compose

How we (vessl) make NFT marketplace

Check at mobile.mncinnovation.id/blog

2022 Research Innovation Summary



5

New product innovation

6

New process innovation

17

New innovation article

5x

Research Growth

