

# REPOSITORY DIGITAL DATA AKREDITASI POLIBATAM

IFMALAM 3A-4



Teknik Informatika 2025



# OUR TEAM



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# TABLE OF CONTENTS

**01**

## **Business overview**

You can describe the topic  
of the section here

**02**

## **Market analysis**

You can describe the topic  
of the section here

**03**

## **Marketing plan**

You can describe the topic  
of the section here

**04**

## **Management plan**

You can describe the topic  
of the section here

**05**

## **Operating plan**

You can describe the topic  
of the section here

**06**

## **Financial plan**

You can describe the topic  
of the section here

# Latar Belakang

Proyek ini mengembangkan Repository Digital Data Akreditasi berbasis web untuk memusatkan pengelolaan dokumen seperti LKPS, LED, dan bukti pendukung yang sebelumnya tersebar di Politeknik Negeri Batam. Sistem ini mempercepat pencarian dan verifikasi dokumen, menyediakan akses terkontrol, serta mendukung monitoring progres secara real-time sehingga proses akreditasi menjadi lebih efisien, terstruktur, dan transparan



# Permasalahan Utama VS. (Dampak dari masalah yang ada

## Problem



- Tidak ada wadah terpusat untuk dokumen akreditasi
- Tidak ada pelacakan progres secara real-time
- Proses revisi dan komunikasi masih manual
- Tidak ada kontrol versi dokumen



## Solution

- \* memperlambat proses akreditasi karena kesulitan dalam pencarian, revisi, dan verifikasi dokumen.
- \* Kurangnya transparansi dalam progres pemenuhan dokumen
- \* Potensi penurunan nilai akreditasi karena data tidak lengkap atau tidak update

# 02



## (Kebutuhan terhadap solusi digital)

- Pengelolaan dokumen akreditasi harus **terpusat dan aman**
- Akses data yang lebih cepat dan akurat untuk seluruh stakeholder
- Monitoring real-time terhadap progres pemenuhan dokumen
- Proses verifikasi yang terdokumentasi dengan baik dan efisien



### Need for a Digital Solution (Kebutuhan Solusi Digital)

- Dibutuhkan sistem repository digital berbasis web sebagai pusat penyimpanan dan pengelolaan data akreditasi yang terpusat dan terstruktur.
- Sistem harus mendukung fitur sinkronisasi data otomatis dari berbagai sumber yang sudah ada, sehingga input manual dapat diminimalisir.
- Harus ada pengelolaan hak akses berbasis peran (role-based access control) untuk keamanan dan keamanan data.
- Sistem menyediakan monitoring progres secara real-time, notifikasi, dan histori perubahan data.
- Mempermudah pencarian dan manajemen dokumen serta mendukung transparansi dan validasi data oleh P4M (Pusat Penjaminan Mutu).
- Sistem dirancang untuk menyimpan data seluruh semester dan data historis guna analisis tren dan laporan akreditasi.



# BUSINESS OVERVIEW

## 01

### Permasalahan Utama

- Data akreditasi masih tersebar pada berbagai sistem dan penyimpanan pribadi
  - Proses pencarian serta verifikasi dokumen memakan waktu lama
  - Tidak ada pusat data yang terstruktur dan terdokumentasi dengan baik
  - Risiko duplikasi, ketidaksinkronan, dan kehilangan dokumen tinggi
  - Monitoring progres pemenuhan data akreditasi kurang transparan
- Dokumen disimpan di beberapa lokasi (email, drive, PC pribadi)
  - Versi dan pembaruan sulit dilacak
  - Proses validasi dan peninjauan lambat
  - Risiko file hilang atau terduplikasi
- Tidak ada akses terpusat bagi para pemangku kepentingan

# OUR MAIN COMPETITORS



## Mars

### Solusi yang Ditawarkan

Membangun **Sistem Repository Digital Berbasis Web**  
sebagai:

- Pusat data akreditasi Polibatam
- Akses dengan hak pengguna berbeda (Tim Akreditasi, P4M, TU)
- Tempat unggah, validasi, dan monitoring dokumen akreditasi

## Venus

### 4. Keunggulan Solusi

- ✓ Akses cepat, kapan pun, di mana pun
- ✓ Data lebih aman dan terstruktur
- ✓ Meminimalisir kehilangan dan duplikasi
- ✓ Proses review lebih efisien dan terpantau
- ✓ Mendukung budaya mutu berbasis data

## Mercury

# 03

## Proposed Solutions:

**Centralized Web-Based Repository:** Membangun sistem berbasis web yang memusatkan semua dokumen akreditasi (LKPS, LED, dan bukti pendukung) dari berbagai unit atau sistem kampus ke satu platform.

**Role-Based Access Control (RBAC):** Memberikan hak akses berbeda sesuai peran pengguna (admin, reviewer, staff prodi) untuk menjaga keamanan dan integritas data.

**Document Search and Retrieval:** Menyediakan fitur pencarian cepat dan filter dokumen untuk mempermudah penemuan informasi yang diperlukan.

**Real-Time Monitoring and Progress Tracking:** Menyediakan dashboard monitoring untuk memantau status verifikasi dan progres pengumpulan dokumen secara real-time.

**Versioning and Backup:** Menyimpan versi dokumen yang berbeda untuk mencegah kehilangan data dan memudahkan pelacakan perubahan.

**Integration with Existing Campus Systems:** Mengintegrasikan repository dengan sistem kampus yang sudah ada agar dokumen dapat diimpor secara otomatis tanpa duplikasi.

**Notifications and Alerts:** Mengirim pemberitahuan otomatis untuk dokumen baru, status verifikasi, atau tenggat waktu akreditasi.

## 6. Metodologi

Metode: Agile Scrum

Aktivitas yang sudah dilakukan:

Analisis kebutuhan melalui wawancara stakeholder

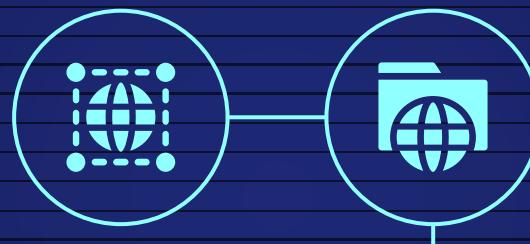
Perancangan sistem (Use Case, ERD, UI/UX)

Implementasi prototipe awal

Pengujian fungsi dan usability

### Channel 1

Neptune is the farthest planet from the Sun



### Channel 2

Jupiter is the biggest planet of them all

### Channel 3

Mercury is the smallest planet of them all



### Channel 4

Earth is the third planet from the Sun



# THEM VS. US

## Fitur

Manajemen dokumen (LKPS, LED, Bukti Dukung)

**Them**

Manajemen pengguna & hak akses

Dashboard progres akreditasi

Verifikasi & komentar (P4M)

Pencarian & filter



## Manfaat

Pencatatan dokumen lebih rapi

Keamanan akses terjamin

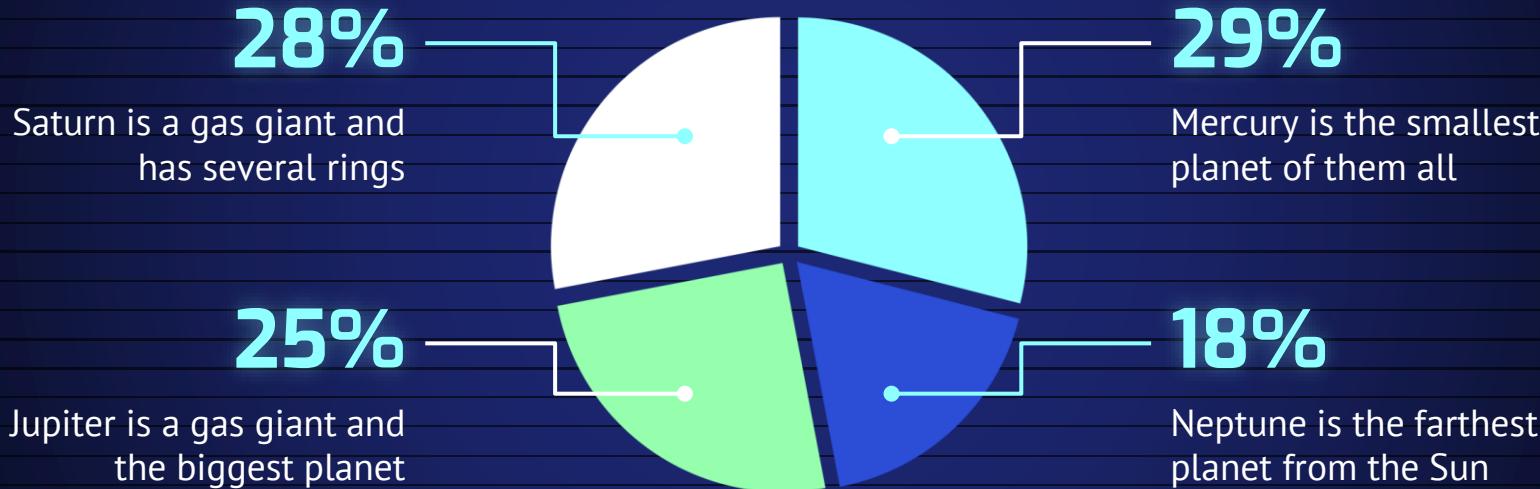
Pemantauan capaian **USeal**-time

Proses review efisien

Dokumen mudah ditemukan



7. Progres Pengeraan
- ❖ Progress Proyek: ± 75%  
Sudah selesai:
    - Analisis kebutuhan
    - Desain sistem & antarmuka
    - Implementasi tampilan dan fitur inti
    - Pengujian awal (blackbox & usability)
  - Dalam proses:
    - Integrasi backend penuh
    - Perbaikan UI & validasi dokumen
    - Deployment dan finalisasi pengujian



Follow the link in the graph to modify its data and then paste the new one here. For more info, [click here](#)



## advantages

- Berikut adalah poin-poin keuntungan dari penggunaan sistem digital dalam pengelolaan akreditasi perguruan tinggi:
- Meningkatkan efisiensi dan akurasi dalam pengumpulan, pengelolaan, dan pelaporan data akreditasi dengan otomatisasi proses dan sinkronisasi data real-time.
  - Memperkuat transparansi dan akuntabilitas karena data dan proses penjaminan mutu dapat dipantau oleh seluruh pemangku kepentingan secara terbuka dan terpadu.
  - Mendukung pengambilan keputusan berbasis data yang lebih cepat dan tepat melalui dashboard visualisasi dan laporan analitis.
  - Mempermudah kolaborasi dan komunikasi antar tim akreditasi, tata usaha, dan penjamin mutu sehingga mempercepat penyelesaian proses akreditasi.
  - Memastikan keberlanjutan budaya mutu dengan sistem yang adaptif terhadap perubahan regulasi dan kebutuhan institusi di era digital.

# 04

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# CONTENTS OF THIS TEMPLATE



Here's what you'll find in this **Slidesgo** template:

1. A slide structure based on a business plan presentation, which you can easily adapt to your needs. For more info on how to edit the template, please visit **Slidesgo School** or read our **FAQs**.
2. To view this template with the correct fonts in ppt format, download and install on your computer **the fonts that we have used**. You can learn how to download and install fonts [here](#).
3. An assortment of graphic resources that are suitable for use in the presentation can be found in the **alternative resources slide**.
4. A **thanks** slide, which you must keep so that proper credits for our design are given.
5. A **resources** slide, where you'll find links to all the elements used in the template.
6. **Instructions for use**.
7. Final slides with:
  - The **fonts and colors** used in the template.
  - A selection of **illustrations**. You can also customize and animate them as you wish with the online editor. Visit **Storyset** to find more.
  - More **infographic resources**, whose size and color can be edited.
  - Sets of **customizable icons** of the following themes: general, business, avatar, creative process, education, help & support, medical, nature, performing arts, SEO & marketing, and teamwork.

You can delete this slide when you're done editing the presentation.



- Repositori digital berbasis web terpusat yang:
- Menyimpan semua dokumen akreditasi dalam satu platform aman
    - Mendukung manajemen LED/LKPS yang terstruktur
    - Memungkinkan pemantauan kemajuan secara real-time
    - Menyediakan alur kerja verifikasi bagi peninjau (P4M)
      - Meningkatkan kolaborasi antar unit

**—SOMEONE FAMOUS**



# TARGET

## Gender



35%



65%

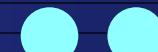
## Age

21-30



75%

31-46



25%

## Profession



Manager



Analyst



Financial



Engineer

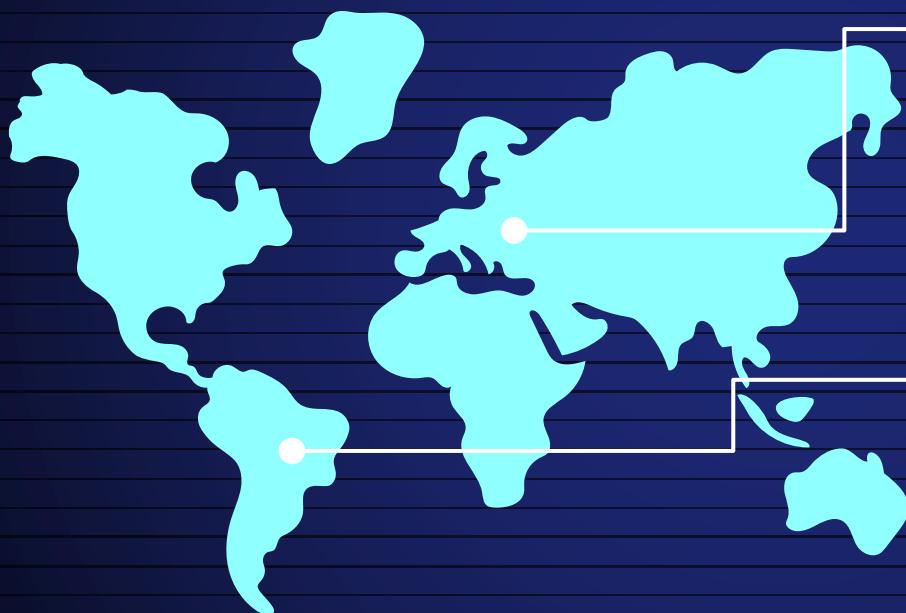
\$145,00

Average spent  
per customer



Mercury is the closest planet to the Sun and the smallest one

# MARKET SIZE



62%

**Mars**

Despite being red, Mars is  
actually a cold place

38%

**Venus**

Venus is the second planet  
from the Sun

# MARKET SHARE

## Sector 1

Ceres is in the main asteroid belt

## Sector 2

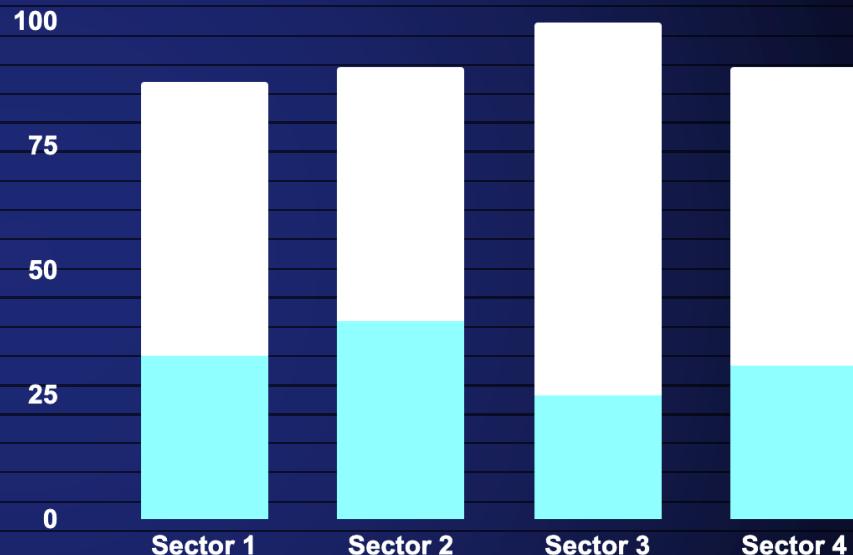
Earth is where we all live

## Sector 3

Mars is actually a cold place

## Sector 4

Mercury is the smallest planet



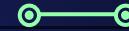
Follow the link in the graph to modify its data and then paste the new one here. For more info, [click here](#)

The background of the slide features a close-up photograph of many fiber optic cables fanning out, with light visible at their tips. In the foreground, a standard network cable with a clear plastic RJ45 connector is visible, resting on the fibers. The overall color palette is dark with blue and green highlights.

A PICTURE IS WORTH A THOUSAND WORDS

# COMPETITION ANALYSIS TABLE

	Company 1	Company 2	Company 3	Company 4
Power	✗	✓	✗	✓
Staffing	✓	✓	✗	✗
Taxes	✗	✗	✓	✓



# OUR SERVICES



## Neptune

It's the farthest planet from the Sun



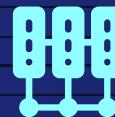
## Mars

Mars is actually a really cold place



## Venus

Venus is the second planet from the Sun



## Saturn

It's composed of hydrogen and helium



## Jupiter

Jupiter is the biggest planet of them all



## Mercury

It's the closest planet to the Sun



# BREAK-EVEN ANALYSIS

Pluto is considered a dwarf planet

**Big loss**



Neptune is far away from Earth

**Break-even**



**Loss**



Ceres is in the main asteroid belt



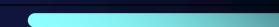
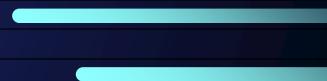
Saturn is a gas giant and has several rings

Venus has a beautiful name

**High profit**



**Profit**



## 8. Dokumentasi Aktivitas PBL

# OUR PLANS



## \$250

Describe your product or  
your service here

- Characteristic
- Characteristic

**Pro**

## \$360

Describe your product or  
your service here

- Characteristic
- Characteristic

**Premium**

## \$120

Describe your product or  
your service here

- Characteristic
- Characteristic

**Basic**



# ADVERTISING & PROMOTION



## PR

Mars is actually a cold place,  
it's full of iron oxide dust



## Advertising

Mercury is the closest planet  
to the Sun



## Online

Venus is the second planet  
from the Sun



# ORGANIZATIONAL CHART



CEO



Team 1

Team 2

Team 3

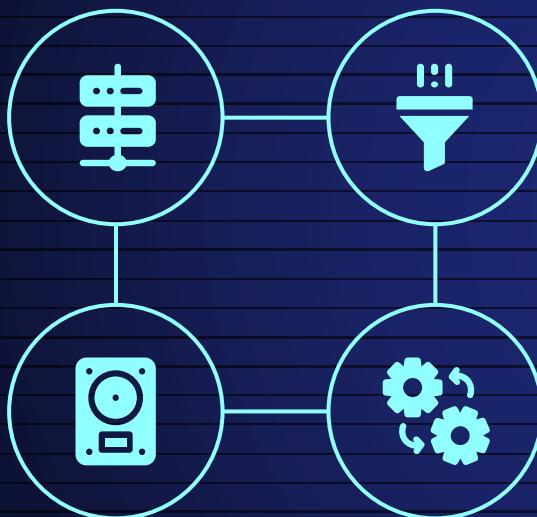
The Sun is the star at the center of the Solar System

Jupiter is a gas giant and the biggest planet

Venus is terribly hot, even hotter than Mercury



# OUR PARTNERS



## Partner 1

The Sun is the star at  
the center of the  
Solar System

## Partner 2

Earth is the third  
planet from the Sun  
and where we live

## Partner 3

Saturn is composed  
mostly of hydrogen  
and helium

## Partner 4

Venus is the second  
planet from the Sun.  
It's hot there

# 05

## OPERATING PLAN

You can enter a subtitle here if you need it



# OUR PROCESS



## Week 1

Pluto is considered a dwarf planet



## Week 2

Earth is the planet where we all live



## Week 3

Ceres is in the main asteroid belt



## Week 4

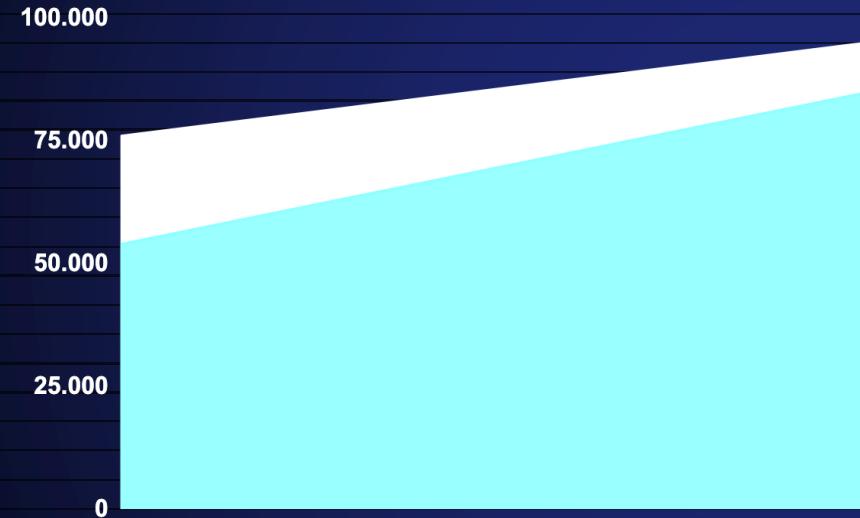
Neptune is far away from Earth

# 06

## FINANCIAL PLAN

You can enter a subtitle here if you need it

# PREDICTED GROWTH



## Period 1

Earth is the third planet from the Sun and where we all live

## Period 2

Venus is the second planet from the Sun. It's hot there

Follow the link in the graph to modify its data and then paste the new one here. For more info, [click here](#)

# 689,781

Big numbers catch your audience's attention

# BALANCE SHEET

**2M**

## Assets

Neptune is the farthest planet from the Sun

**5K**

## Liabilities

Ceres is located in the main asteroid belt

**2.5K**

## Equity

Venus is the second planet from the Sun



# DESKTOP MOCKUP

You can replace the image on the screen with your own work. Just right-click on it and select “Replace image”



# CONCLUSIONS

Do you know what helps you make your point clear?

Lists like this one:

- They're simple
- You can organize your ideas clearly
- You'll never forget to buy milk!

And the most important thing: the audience won't miss the point of your presentation



# Thanks!

Do you have any questions?

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# BIG DATA ICON PACK





# ALTERNATIVE RESOURCES



## Photos

- Laptop with blue optical fiber
- Blue optic fiber close-up
- Blue luminous optic fiber
- Blue optic fiber with ethernet cables and laptop
- Blue optic fiber with copy space
- Blue shiny optic fiber
- Blue luminescent optic fiber
- Group of young people working together
- Businesspeople meeting at office working

## Vectors

- Technology and future banner
- Flat minimal technology landing page

## Photos

- Blue optic fiber with laptop
- Blue optic fiber with ethernet cable
- Blue optic fiber with ethernet cables I
- Blue optic fiber with ethernet cables II
- Business woman with laptop
- Young business man talking on the phone
- African american man working on laptop
- Portrait of young attractive woman holding laptop looking at camera
- Wi-fi router with blue optical fiber

## Vectors

- Technology and future instagram posts
- Technology and future landing page

## Icons

- Big data

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#ffffff

#606060

#151b46

#2c4ed7

#8fffff

#95ffae

#1d2875

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Pana



Amico



Bro



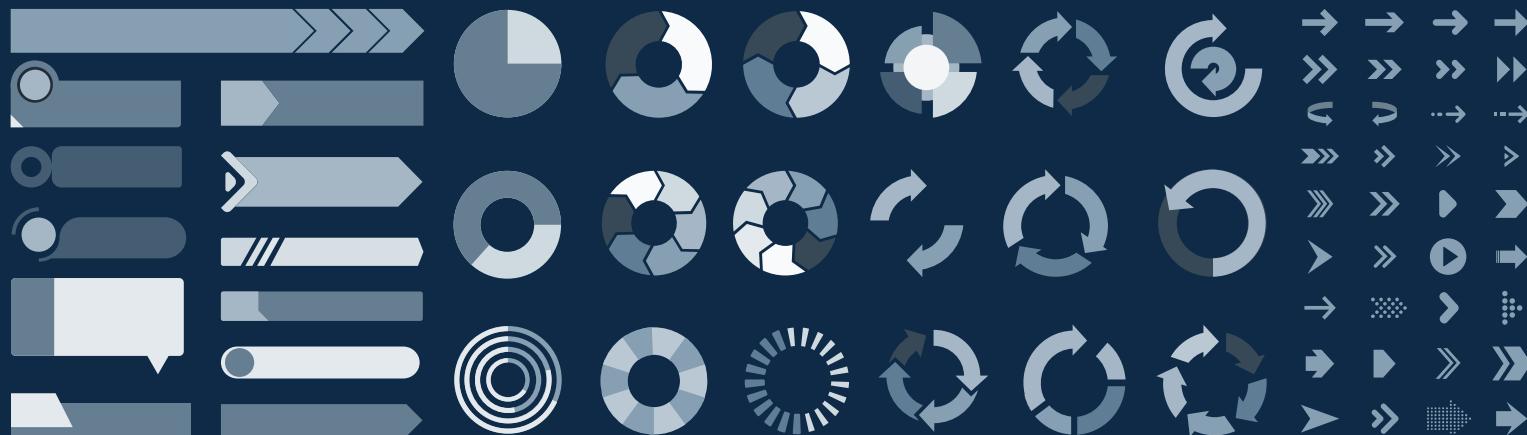
Rafiki



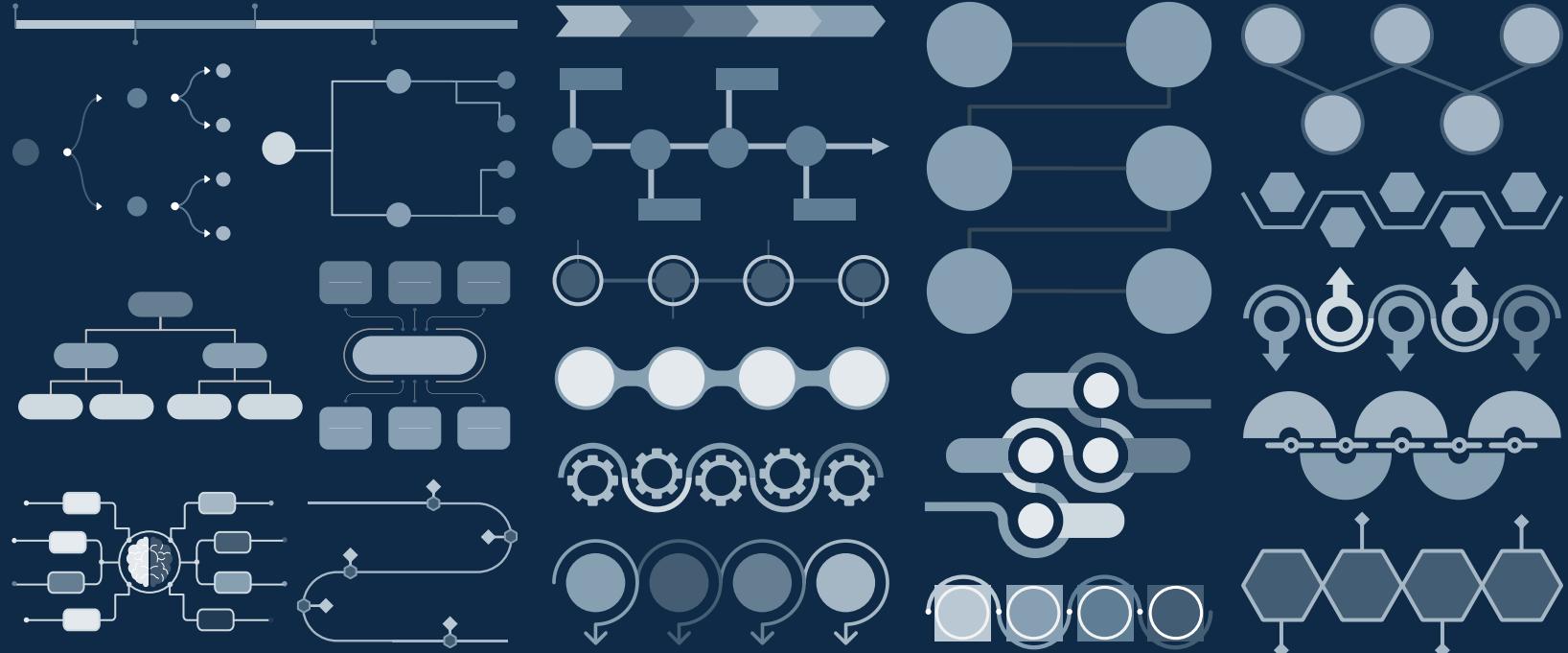
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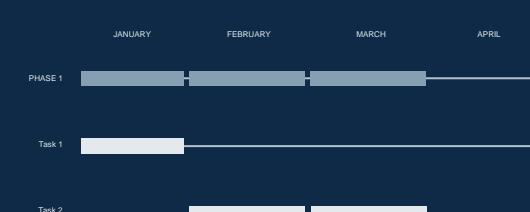
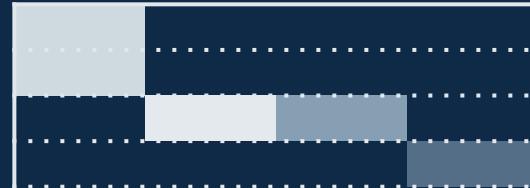
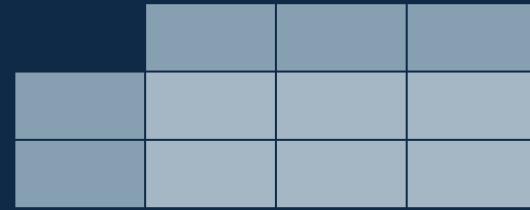
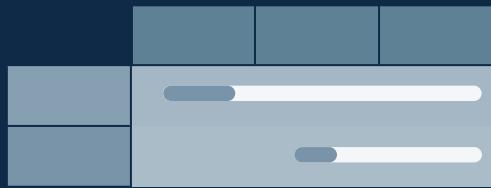
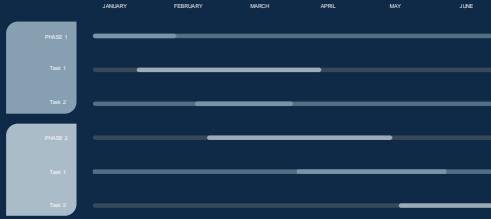
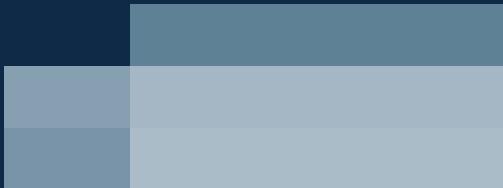
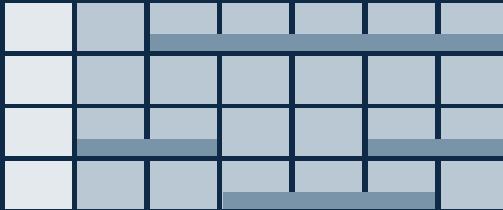
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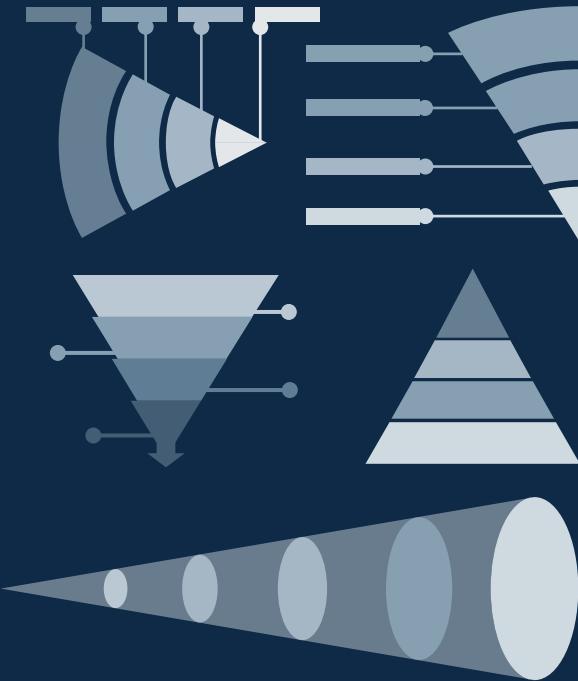
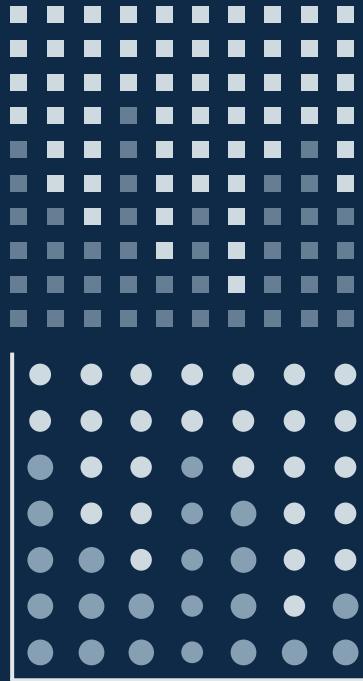












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## Educational Icons



## Medical Icons



## Business Icons



## Teamwork Icons



## Help & Support Icons



## Avatar Icons



## Creative Process Icons



## Performing Arts Icons



# Nature Icons



# SEO & Marketing Icons



