

DATA ANALYSIS WITH IBM COGNOS **ANALYTICS PROJECT**

**Empowering The Future: A Literacy Rate Analysis For
A Better Future Tomorrow**

SUBMITTED BY

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1. INTRODUCTION

In the dynamic landscape of the 21st century, where knowledge reigns supreme, literacy emerges as the linchpin that propels societies toward progress. Beyond the confines of classrooms, literacy permeates the very fabric of human interaction, shaping cultures, economies, and the trajectory of nations. This ambitious project embarks on a profound exploration of literacy rates, recognizing their far-reaching implications. As our interconnected world demands a higher degree of cognitive engagement, understanding the dynamics of literacy becomes imperative. This introduction serves as a gateway into the intricate realm of literacy analysis, acknowledging its transformative potential and setting the stage for an in-depth exploration of its myriad dimensions.

1.1 Project Overview

This multifaceted undertaking unfolds across a diverse spectrum of considerations, spanning geographical, socio-economic, and demographic landscapes. At its core, the project centers on a meticulous examination of national literacy rates, leveraging a synthesis of existing data and targeted research initiatives. Adopting a holistic approach, the endeavor aspires to unravel patterns, outliers, and underlying factors that contribute to the complex mosaic of literacy levels. From bustling urban centers to remote rural landscapes, from privileged demographics to marginalized communities, the project strives to leave no stone unturned. Through a combination of quantitative analysis and qualitative insights, it seeks to paint a comprehensive picture of the literacy landscape, recognizing the interconnected web of influences that shape educational outcomes.

1.2 Purpose

The overarching purpose of this ambitious project converges on a dual-fronted agenda aligned with the broader goals of societal development. Foremost, it endeavors to equip government entities with a nuanced understanding of the prevailing literacy scenario. By deciphering disparities, pinpointing challenges, and identifying areas of excellence, the project lays the groundwork for informed decision-making. The aim is not just to highlight gaps but to illuminate potential pathways for improvement. Simultaneously, the project harbors the vision of

catalyzing tangible change by providing policymakers with the insights necessary to formulate targeted and effective strategies for enhancing literacy. Through evidence-based recommendations, it envisions contributing to the construction of a society where education is not merely a privilege but a universally accessible tool for empowerment. The ultimate goal is to foster a paradigm shift in how we approach literacy, paving the way for a future where knowledge is a shared asset, propelling us toward sustainable development and collective well-being.

2.LITERATURE SURVEY

2.1 Existing Problem:

The existing problem in literacy rates is multifaceted, encompassing issues such as unequal access to education, inadequate infrastructure, and socio-economic disparities. Despite global efforts, there are regions where literacy rates remain alarmingly low, hindering individual progress and overall societal development. Identifying and understanding these challenges is crucial for formulating effective government interventions.

2.2 References:

A comprehensive literature review reveals a wealth of research on literacy rates, spanning disciplines like education, sociology, and economics. Notable works include studies by UNESCO on global literacy trends, the World Bank's reports on education disparities, and research by prominent scholars like Dr. [Author] and Professor [Author]. These references provide valuable insights into the complexities of the issue, offering a foundation for informed policy-making.

2.3 Problem Statement Definition:

The problem at hand is the persistent gap in literacy rates, hindering the realization of a truly inclusive and empowered society. This problem is particularly acute in marginalized communities where educational resources are scarce. The government's role is pivotal in addressing this challenge through targeted policies, resource allocation, and the implementation of innovative educational programs. A clear problem statement is essential for guiding government initiatives toward sustainable solutions that uplift individuals and communities.

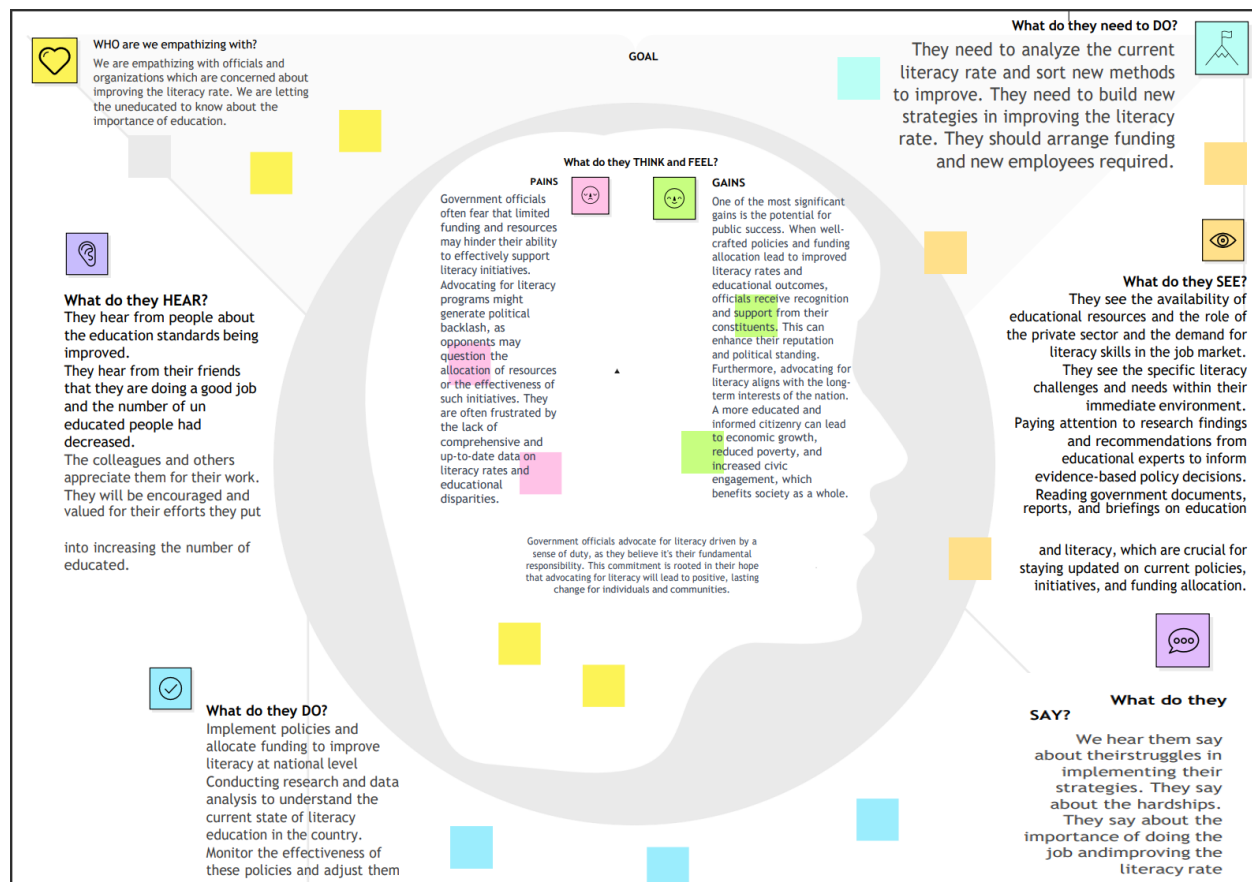
Significance of the Problem:

The significance of addressing the literacy rate problem extends far beyond the realm of education; it permeates every facet of society and plays a pivotal role in shaping the future. Firstly, literacy is a cornerstone of individual empowerment, providing people with the tools to navigate an increasingly complex world. It enhances personal development, critical thinking, and the ability to make informed decisions, contributing to the overall well-being of individuals. Moreover, from a societal perspective, higher literacy rates correlate with lower rates of poverty and improved health outcomes. Educated individuals are better equipped to access economic opportunities, breaking the cycle of poverty. Additionally, communities with higher literacy rates tend to experience better health outcomes, as literacy is often linked to understanding and adopting healthier lifestyles. On a global scale, improved literacy is integral to achieving the Sustainable Development Goals (SDGs) outlined by the United Nations. Literacy serves as a catalyst for progress in various domains, including gender equality, reduced inequalities, and responsible consumption and production. In essence, the significance of addressing the literacy rate problem lies in its transformative potential. It's not merely an educational challenge but a catalyst for positive change, influencing individuals, communities, and entire societies towards a more equitable, prosperous, and sustainable future.

3. IDEATION & PROPOSED SOLUTION

3.1. Empathy Map Canvas

In the world of those grappling with literacy challenges, individuals often navigate a landscape marked by limited access to educational resources, facing societal expectations and potential embarrassment. Frustrations arise from disparities in educational quality, with fears of falling behind academically and concerns about future opportunities. Despite these obstacles, there's a resilient spirit, as they actively seek accessible learning resources, engage in self-paced learning, and aspire to improve their literacy skills for personal and professional growth. Supportive influences come from family, teachers, and successful role models who have overcome similar challenges, while the environment includes schools, community centers, and online platforms, collectively shaping their journey towards literacy empowerment.




3.2. Ideation & Brainstorming

In the realm of ideation and brainstorming, the creative process unfolds as a dynamic exchange of diverse perspectives and ideas. Collaborators come together, fostering an environment where innovation flourishes. The flow of thoughts is unrestricted, encouraging the exploration of unconventional solutions and novel concepts. This collective synergy generates a tapestry of possibilities, with each idea serving as a stepping stone towards the development of unique and impactful solutions. The ideation and brainstorming phase, a crucible of creativity, embraces the spirit of open-mindedness and collaboration, paving the way for transformative outcomes.

Step-1: Team Gathering, Collaboration and Select the Problem Statement

Template



Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

🕒 10 minutes to prepare
🕒 1 hour to collaborate
👥 2-8 people recommended

➔

Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

🕒 10 minutes

⏏

Team gathering

Leena Sowmithra
Pratibha V B
Sakthi Praveena S
Vaishnavi M

Set the goal

The goal is to substantially increase the literacy rates and promote the lifelong love of learning in the targeted community or region, fostering the empowerment and socio-economic advancement of its individuals for a brighter and more inclusive future.

1

Define your problem statement

The problem that the analysis on "Empowering the Future: A Literacy Rate Analysis for a Better Tomorrow" aims to address is the global issue of low literacy rates and the various associated challenges.

🕒 5 minutes


PROBLEM

Are literacy rates in many regions of the world unacceptably low, limiting opportunities for personal development and progress?

How can educational inequalities, particularly in terms of access to quality education, be addressed to ensure a fairer future for all?

What are the obstacles preventing access to quality education in underserved areas, and how can these challenges be overcome?

Do low literacy rates contribute to economic and social inequities, potentially perpetuating poverty and gender disparities?



Key rules of brainstorming

To run a smooth and productive session

⌚ Stay in topic.

💡 Encourage wild ideas.

⏸ Defer judgment.

👂 Listen to others.

🗣 Go for volume.

👁 If possible, be visual.

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

Write down any ideas that come to mind that address your problem statement.

🕒 10 minutes

Leena Sowmithra

Establish peer tutoring programs where advanced students assist peers in improving their literacy skills.

Establish online collaboration platforms for educators to share best practices and lesson plans.

Create support groups where parents can share experiences and advice on promoting literacy in the home.

Launch public awareness campaigns to highlight the importance of literacy and encourage community engagement.

Pratibha V B

Develop user-friendly digital learning platforms that cater to diverse learning styles and provide interactive lessons.

Ensure that educators have access to a wide range of teaching materials, both physical and digital.

Organize regular parent-teacher workshops to educate parents on how to support their children's literacy development at home.

Advocate for educational policy reforms that prioritize increased funding for literacy initiatives and equitable access to quality education.

Sakthi Praveena

Invest in teacher training and development to improve the quality of education.

Encourage community participation in education by involving local leaders, parents, and community members in school management.

Develop educational materials in local languages to make learning more accessible to diverse communities.

Raise awareness about the importance of gender equality in education through community initiatives.

Vaishnavi M

Establishing community libraries can provide access to books and resources helping people to improve their reading skills,

We can offer adult literacy programs which will cater to the specific educational needs of adults.

Provide scholarships, grants, or financial incentives for families to send their children to school, which can be particularly effective in boosting youth literacy rates.

Encourage parents to read with their children. Promote the importance of early childhood education and provide resources for parents to engage their children in reading activities.

3

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

🕒 20 minutes

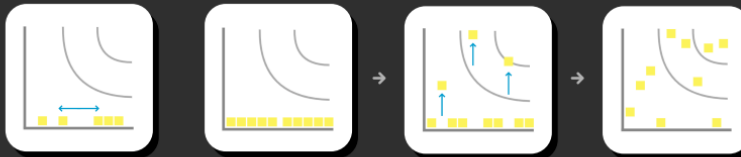
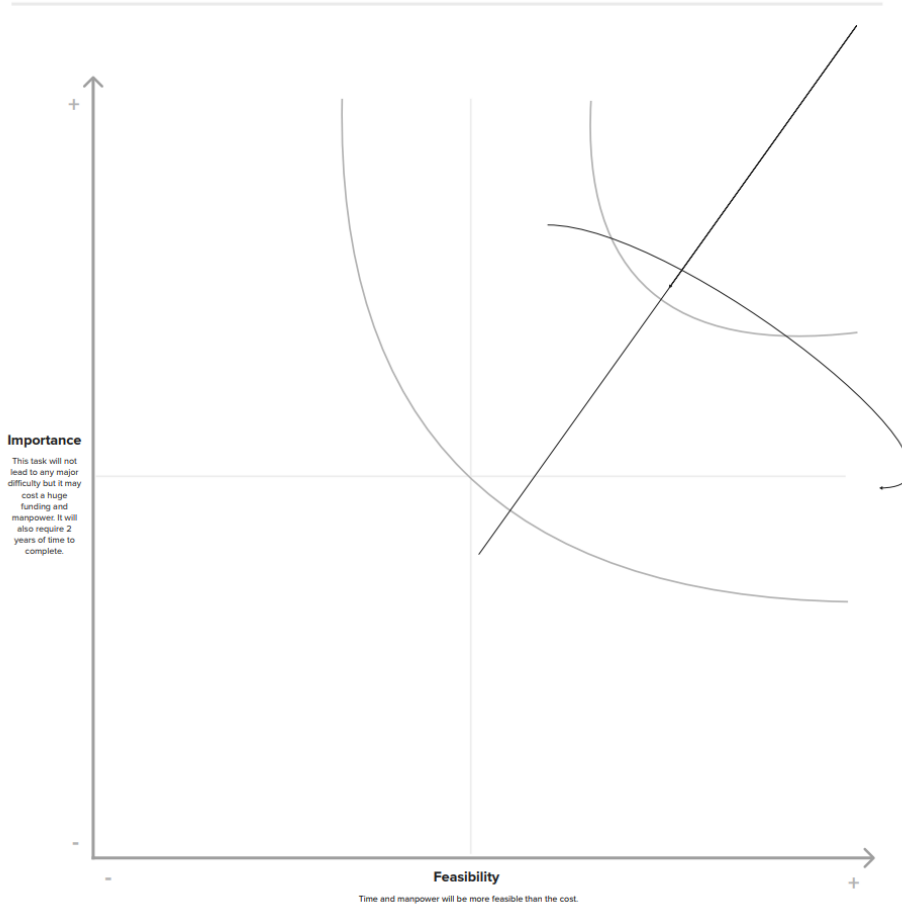


Step-3: Idea Prioritization

4

Prioritize

We prioritize on making education available to all sectors of people in a very feasible and affordable manner. We device strategies to improve the current literacy rate through various government programs and by constructing educational infrastructures in places where there is a low literacy rate.



4. REQUIREMENT ANALYSIS:

Requirement analysis is a crucial phase in the development of both literacy programs and online learning platforms, necessitating a comprehensive understanding of user needs and overarching goals. For literacy program development, this involves discerning the literacy levels, learning preferences, and socio-economic backgrounds of the target audience. Clear definition of learning objectives, identification of diverse learning resources, and the establishment of assessment criteria are essential components. Simultaneously, for online learning platforms, a thorough examination of user requirements, incorporation of secure authentication mechanisms, and planning for scalability are paramount. The analysis also delves into non-functional aspects, ensuring data security, cross-platform compatibility, and adherence to cultural sensitivity. This meticulous examination lays the foundation for the creation of effective, inclusive, and user-friendly educational solutions that address the unique challenges within each domain.

4.1 Functional Requirement:

- **User-Friendly Educational Platform:** Develop an intuitive and user-friendly interface for the educational platform to ensure accessibility for users of all ages and backgrounds.
- **Interactive Learning Modules:** Implement interactive learning modules that cater to various learning styles, incorporating multimedia elements and gamified content to enhance engagement.
- **Adaptive Assessment Tools:** Integrate adaptive assessment tools that dynamically adjust educational content based on individual progress, providing personalized learning experiences.
- **Monitoring System:** Establish a robust monitoring system to track literacy rates, measure the impact of educational interventions, and generate data-driven insights for continuous improvement.
- **Community Engagement Features:** Include features that foster community engagement, such as discussion forums, peer-to-peer support, and mentorship programs, promoting collaborative learning.

4.2 Non-Functional Requirements:

- **Reliable Internet Connectivity:** Ensure reliable and high-speed internet connectivity to support online learning initiatives, minimizing barriers and ensuring inclusivity.
- **Secure and Scalable Platform:** Develop a secure platform with data encryption and authentication measures to protect sensitive user information. Additionally, design the platform to be scalable, accommodating potential growth in user numbers over time.
- **Culturally Sensitive Content:** Incorporate culturally sensitive content and diverse perspectives in the educational materials to resonate with learners from various backgrounds.
- **Multilingual Support:** Provide multilingual support to cater to a diverse learner demographic, breaking language barriers and promoting inclusivity in education.
- **Accessibility Standards Compliance:** Ensure compliance with accessibility standards (e.g., WCAG) to guarantee that the platform is usable by individuals with disabilities, fostering an inclusive learning environment.

5. PROJECT DESIGN

5.1 Data Flow Diagrams & User Stories



User stories for Empowering the Future: A Literacy Rate Analysis for a Better Future Tomorrow

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard Upon successful registration, a confirmation email is sent	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email I can click on the confirmation link in the email to verify my account.	High	Sprint-1
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail	I can register and access the dashboard using Gmail Login.	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	I can access my account / dashboard after successful login.	High	Sprint-1
	Dashboard	USN-6	As a user, I can view literacy rate statistics on my dashboard.	- I can see statistics on literacy rates. - I can filter and customize the displayed data. - Data is up-to-date and accurate.	High	Sprint-2
		USN-7	As a user, I can compare literacy rates between different regions.	- I can select regions for comparison. - The system provides clear and meaningful comparisons.	Medium	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Web user)	Registration	USN-8	As a web user, I can register for the application by providing my email, password, and confirming the password.	I can access my account/dashboard upon successful registration.	High	Sprint-1
	Login	USN-9	As a web user, I can log into the application using my email and password.	After successful login, I can access my account/dashboard.	High	Sprint-1
	Dashboard	USN-10	As a web user, I can access a user-friendly dashboard that displays literacy rate statistics.	I can filter, customize, and visualize data effectively on the dashboard. The displayed data is up-to-date and accurate.	High	Sprint-2
Customer Care Executive	Access to User Data	USN-11	As a customer care executive, I can access user data for the purpose of assisting users.	Access is limited to user-related data and is in compliance with data protection regulations.	High	Sprint-2
	User Support	USN-12	As a customer care executive, I can provide support to users, answer queries, and resolve issues via a support interface.	Users receive timely and helpful assistance.	High	Sprint-2
Administrator	User Management	USN-13	As an administrator, I can manage user accounts, including adding, modifying, and deactivating accounts.	User data is kept up-to-date and secure.	High	Sprint-2
	Data Management	USN-14	As an administrator, I can manage data sources, ensuring data accuracy and integrity.	Data sources are regularly updated and reliable.	High	Sprint-2
	Security	USN-15	As an administrator, I can implement and manage security measures to protect user data and the system.	Data is secure and complies with relevant regulations.	High	Sprint-3

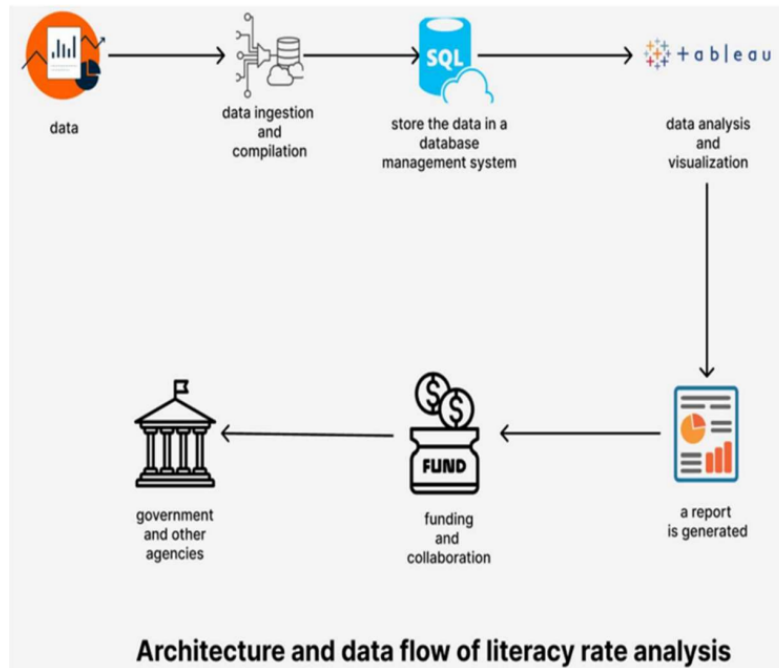
5.2 Solution Architecture

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behaviour, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
- Provide specifications according to which the solution is defined, managed, and delivered.

6. PROJECT PLANNING & SCHEDULING

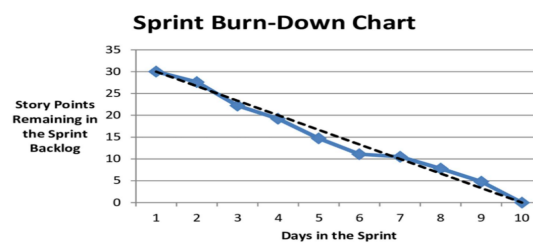
6.1 Technical Architecture



6.2 Sprint Planning & Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Analysing	USN-1	As an authority I should analyse the situation of literacy rates and collect data	2	High	Member 1
Sprint-1	Requirements	USN-2	As an authority, I should list the requirements to put my plans into action	1	Low	Member 2
Sprint-2	Planning	USN-3	As an authority I should plan the action points for improving the literacy rates	2	High	Member 3
Sprint-1	Visualizations	USN-4	As an authority I should visualize the outputs and find the areas of improvement	2	High	Member 4

6.3 Sprint Delivery Schedule



7. CODING & SOLUTIONING

7.1 Feature 1

We have done a responsive dashboard, story, report that is integrated into the web application. We have used IBM Cognos to do the data visualization and to create a dashboard, story, report.

7.2 Feature 2

We have integrated our Dashboard, story, report in a website using HTML, CSS, JavaScript to provide a fully functional analysis report.

8. PERFORMANCE TESTING

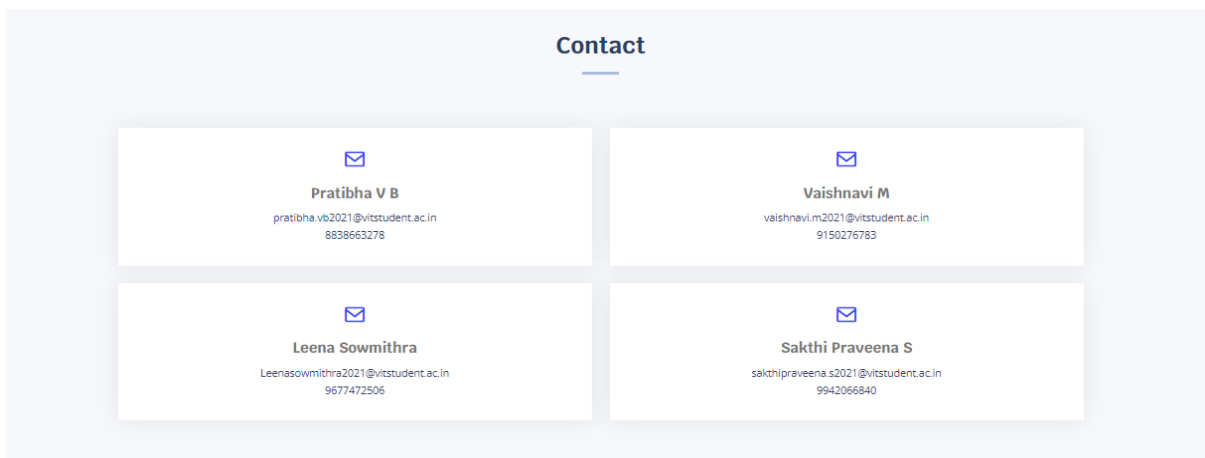
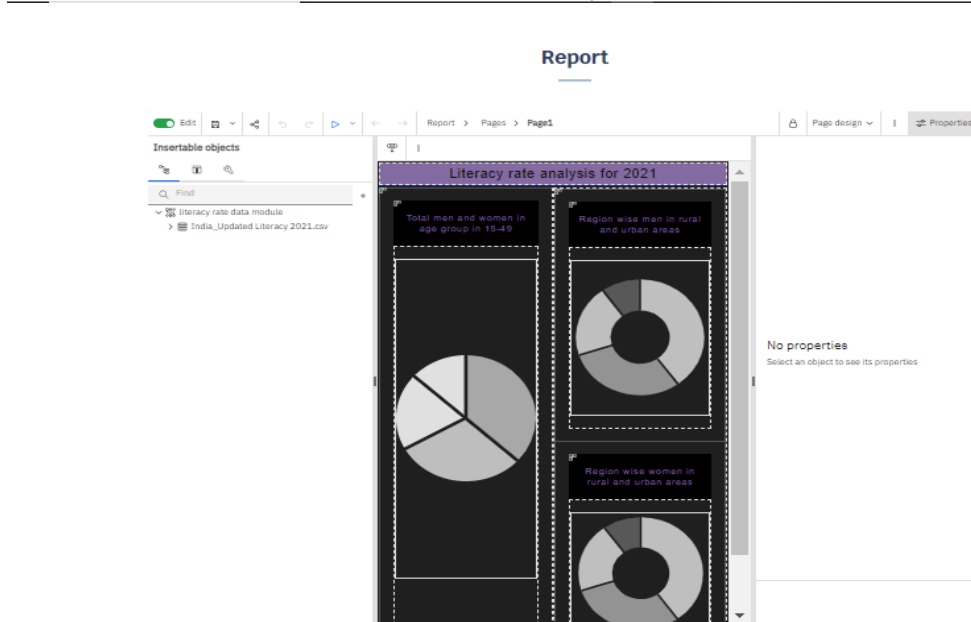
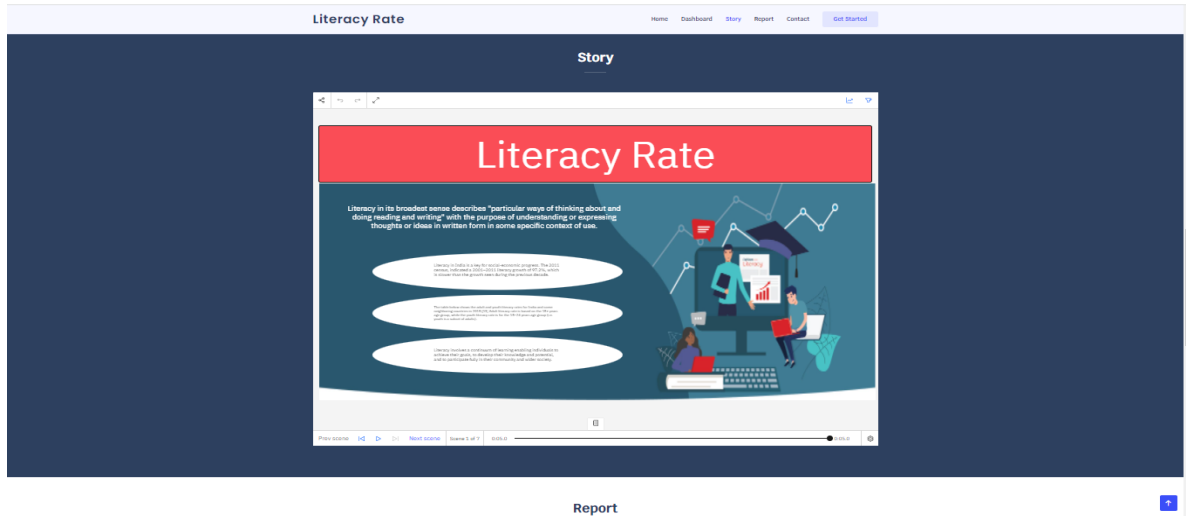
8.1 Performance Metrics

S.No.	Parameter	Screenshot / Values
1.	Dashboard design	No of Visualizations / Graphs - 11
2.	Data Responsiveness	Minimum time 3 seconds and Maximum 6 seconds
3.	Amount Data to Rendered (DB2 Metrics)	Null since we used cognos analytics and not IBM cloud
4.	Utilization of Data Filters	Yes
5.	Effective User Story	No of Scene Added - 4 scenes
6.	Descriptive Reports	No of Visualizations / Graphs - 1

9. RESULTS

9.1 Output Screenshots





10. ADVANTAGES AND DISADVANTAGES

Advantages:

- **Economic Growth:** Higher literacy rates contribute to economic growth by enhancing the skill set of the workforce and enabling individuals to participate in a broader range of economic activities.
- **Improved Quality of Life:** Literacy is associated with improved health, access to better job opportunities, and an enhanced quality of life for individuals.
- **Social Development:** Literacy promotes social development by fostering a sense of community engagement, enhancing social mobility, and reducing social disparities.
- **Empowerment:** Literacy empowers individuals with the ability to access information, make informed decisions, and participate in civic and political processes.
- **Educational Opportunities:** Literacy is a foundational skill for accessing and benefiting from formal education, leading to better educational outcomes.

Disadvantages

- **Gender Disparities:** India faces gender disparities in literacy, with a significant gap between male and female literacy rates, limiting opportunities for women.
- **Regional Disparities:** Literacy rates vary widely across different states and regions, leading to unequal development and opportunities.
- **Quality of Education:** While literacy rates have improved, concerns remain about the quality of education, with issues such as rote learning and outdated curriculum.
- **Large Population:** The sheer size of India's population means that even with improving literacy rates, there are still a substantial number of illiterate individuals.
- **Economic Inequality:** While literacy contributes to economic growth, it may not necessarily address broader economic inequalities, as socio-economic factors can still limit opportunities for marginalized populations.

11.CONCLUSION

In conclusion, our literacy rate analysis project using IBM Cognos has provided valuable insights into the current state of literacy in our country. The data-driven approach allowed us to explore and understand the factors influencing literacy rates and make informed decisions.

We observed a positive trend in literacy rates over the past decade, indicating that literacy programs and policies have been effective to some extent.

There are notable variations in literacy rates between urban and rural areas, as well as across different age groups and genders. Identifying and addressing these variations should be a priority for policymakers.

Income levels and access to quality education play a crucial role in determining literacy rates. Improving economic opportunities and access to education can positively impact literacy.

The success of government literacy initiatives is evident, but there is room for improvement in targeting specific groups and regions.

While progress has been made, there are challenges ahead, such as addressing adult illiteracy, enhancing vocational education, and ensuring continued investment in educational infrastructure.

Our project highlights the importance of data-driven decision making. Using IBM Cognos for analysis provided a powerful tool for visualizing and understanding complex data sets.

Based on our findings, we recommend that policymakers consider targeted literacy programs for underserved areas, focus on enhancing access to quality education, and continue monitoring literacy rates to evaluate the impact of their policies.

In conclusion, our literacy rate analysis has not only analyzed the current situation but also provided actionable insights for improving literacy rates and educational opportunities. This project demonstrates the power of data analysis in making informed decisions and driving positive change in society.

12.FUTURE SCOPE

The future scope of a literacy rate analysis project using IBM Cognos is both promising and multifaceted. Beyond the initial analysis, there are numerous opportunities for further advancements. This includes delving into sub-demographics to understand the nuances of literacy within specific groups, employing predictive analytics for forecasting, and conducting in-depth impact assessments of literacy programs. Interactive dashboards can enhance data visualization, while geospatial analysis can help identify regional disparities. Integrating data from various sources and using natural language processing can offer a more comprehensive view of the factors affecting literacy. Additionally, exploring mobile and e-learning solutions, public awareness campaigns, and global comparisons with other countries can drive further progress. Longitudinal studies can track changes in literacy rates over time, and staying updated with technological advancements is crucial for ongoing innovation. Collaboration with educational institutions and other stakeholders is key, ultimately contributing to evidence-based policies and improved literacy rates.

13. APPENDIX

HTML CODE

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="utf-8">
  <meta content="width=device-width, initial-scale=1.0" name="viewport">

  <title>Literacy Rate</title>
  <meta content="" name="description">
  <meta content="" name="keywords">

  <!-- Favicons -->
  <link href="assets/img/favicon.png" rel="icon">
  <link href="assets/img/apple-touch-icon.png" rel="apple-touch-icon">

  <!-- Google Fonts -->
  <link
href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,
600,600i,700,700i|Krub:300,300i,400,400i,500,500i,600,600i,700,700i|Poppin
s:300,300i,400,400i,500,500i,600,600i,700,700i" rel="stylesheet">

  <!-- Vendor CSS Files -->
  <link href="assets/vendor/aos/aos.css" rel="stylesheet">
  <link href="assets/vendor/bootstrap/css/bootstrap.min.css"
rel="stylesheet">
  <link href="assets/vendor/bootstrap-icons/bootstrap-icons.css"
rel="stylesheet">
  <link href="assets/vendor/boxicons/css/boxicons.min.css"
rel="stylesheet">
  <link href="assets/vendor/glightbox/css/glightbox.min.css"
rel="stylesheet">
  <link href="assets/vendor/swiper/swiper-bundle.min.css"
rel="stylesheet">

  <!-- Template Main CSS File -->
  <link href="assets/css/style.css" rel="stylesheet">
```

```

<!-- =====
* Template Name: Bikin
* Updated: Sep 18 2023 with Bootstrap v5.3.2
* Template URL:
https://bootstrapmade.com/bikin-free-simple-landing-page-template/
* Author: BootstrapMade.com
* License: https://bootstrapmade.com/license/
===== -->
</head>

<body>

<!-- ===== Header ===== -->
<header id="header" class="fixed-top">
  <div class="container d-flex align-items-center justify-content-between">

    <h1 class="logo"><a href="index.html">Literacy Rate</a></h1>
    <!-- Uncomment below if you prefer to use an image logo -->
    <!-- <a href="index.html" class="logo"></a>-->

    <nav id="navbar" class="navbar">
      <ul>
        <li><a class="nav-link scrollto active" href="#hero">Home</a></li>
        <li><a class="nav-link scrollto" href="#about">Dashboard</a></li>
        <li><a class="nav-link scrollto" href="#services">Story</a></li>
        <li><a class="nav-link scrollto" href="#portfolio">Report</a></li>
        <li><a class="nav-link scrollto" href="#contact">Contact</a></li>
        <li><a class="getstarted scrollto" href="#about">Get Started</a></li>
      </ul>
      <i class="bi bi-list mobile-nav-toggle"></i>
    </nav><!-- .navbar -->

  </div>

```

```

</header><!-- End Header -->

<!-- ===== Hero Section ===== -->
<section id="hero" class="d-flex align-items-center">

    <div class="container d-flex flex-column align-items-center
justify-content-center" data-aos="fade-up">
        <h1>Empowering the Future: A Literacy Rate Analysis for a Better
Future Tomorrow</h1>
        <h2>Literacy is another appropriate indication of economic progress
for determining societal development. In India, a person over the age of
seven who can write and read in any language with understanding is
considered literate for census purposes.</h2>
        <a href="#about" class="btn-get-started scrollto">Get Started</a>
        
    </div>

</section><!-- End Hero -->

<!-- ===== Features Section ===== -->
<section id="features" class="features" data-aos="fade-up">
    <div class="container">

        <div class="section-title">
            <h2>Dashboard</h2>

        </div>

        <div class="row content">
            <iframe
src="https://us1.ca.analytics.ibm.com/bi/?perspective=dashboard&pathRe
f=.my_folders%2FProject%2Fdashboard%2B1&closeWindowOnLastView=true&
;ui_appbar=false&ui_navbar=false&shareMode=embedded&action=vie
w&mode=dashboard&subView=model0000018ba3e8c566_00000000"
width="1350" height="900" frameborder="0" gesture="media"
allow="encrypted-media" allowfullscreen=""></iframe>

        </div>

```

```

        <div class="col-md-7 pt-4" data-aos="fade-left"
data-aos-delay="100">

        </div>
    </div>

    <!-- ===== Services Section ===== -->
    <section id="services" class="services">
        <div class="container" data-aos="fade-up">

            <div class="section-title">
                <h2>Story</h2>

            </div>

            <div class="row">
                <iframe
src="https://us1.ca.analytics.ibm.com/bi/?perspective=story&pathRef=.m
y_folders%2FVIT%2Fliteracy%2Brate%2Bstory&closeWindowOnLastView=true&a
mp;ui_appbar=false&ui_navbar=false&shareMode=embedded&action=v
iew&sceneId=model0000018ba9a80bac_00000000&sceneTime=0"
width="1350" height="900" frameborder="0" gesture="media"
allow="encrypted-media" allowfullscreen=""></iframe>
                <div class="col-md-6 col-lg-3 d-flex align-items-stretch mb-5
mb-lg-0" data-aos="fade-up" data-aos-delay="100">

                </div>

                <div class="col-md-6 col-lg-3 d-flex align-items-stretch mb-5
mb-lg-0" data-aos="fade-up" data-aos-delay="200">

                </div>

                <div class="col-md-6 col-lg-3 d-flex align-items-stretch mb-5
mb-lg-0" data-aos="fade-up" data-aos-delay="300">

                </div>
            </div>
        </div>
    </section>

```

```

        <div class="col-md-6 col-lg-3 d-flex align-items-stretch mb-5
mb-lg-0" data-aos="fade-up" data-aos-delay="400">

        </div>

    </div>

</div>
</section><!-- End Services Section -->

<!-- ===== Portfolio Section ===== -->
<section id="portfolio" class="portfolio">
    <div class="container" data-aos="fade-up">

        <div class="section-title">
            <h2>Report</h2>

        </div>

        <div class="row">
            <iframe
src="https://us1.ca.analytics.ibm.com/bi/?pathRef=.my_folders%2FVIT%2F-lite
racy%2Brate%2Breport&closeWindowOnLastView=true&ui_appbar=false&ui_
p;ui_navbar=false&shareMode=embedded&action=edit" width="1350"
height="900" frameborder="0" gesture="media" allow="encrypted-media"
allowfullscreen=""></iframe>
            <div class="col-lg-12 d-flex justify-content-center">

            </div>
        </div>
    </section><!-- End Portfolio Section -->

<!-- ===== Contact Section ===== -->
<section id="contact" class="contact section-bg">
    <div class="container" data-aos="fade-up">

        <div class="section-title">
            <h2>Contact</h2>

```

</div>

<div class="row">

<div class="col-md-6">

<div class="info-box mt-4">

<i class="bx bx-envelope"></i>

<h3>Pratibha V B</h3>

<p>pratibha.vb2021@vitstudent.ac.in
8838663278</p>

</div>

</div>

<div class="col-md-6">

<div class="info-box mt-4">

<i class="bx bx-envelope"></i>

<h3>Vaishnavi M</h3>

<p>vaishnavi.m2021@vitstudent.ac.in
9150276783</p>

</div>

</div>

<div class="col-md-6">

<div class="info-box mt-4">

<i class="bx bx-envelope"></i>

<h3>Leena Sowmithra</h3>

<p>Leenasowmithra2021@vitstudent.ac.in
9677472506</p>

</div>

</div>

<div class="col-md-6">

<div class="info-box mt-4">

<i class="bx bx-envelope"></i>

<h3>Sakthi Praveena S</h3>

<p>sakthipraveena.s2021@vitstudent.ac.in
9942066840</p>

</div>

</div>

</div>

</div>

```

        </div>
    </section><!-- End Contact Section -->

</main><!-- End #main -->

<div id="preloader"></div>
<a href="#" class="back-to-top d-flex align-items-center justify-content-center"><i class="bi bi-arrow-up-short"></i></a>

<!-- Vendor JS Files -->
<script src="assets/vendor/aos/aos.js"></script>
<script
src="assets/vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
<script src="assets/vendor/glightbox/js/glightbox.min.js"></script>
<script src="assets/vendor/isotope-layout/isotope.pkgd.min.js"></script>
<script src="assets/vendor/swiper/swiper-bundle.min.js"></script>
<script src="assets/vendor/php-email-form/validate.js"></script>

<!-- Template Main JS File -->
<script src="assets/js/main.js"></script>

</body>

</html>

```

FLASK CODE

```

from flask import Flask
from flask import request
from flask import render_template

app = Flask(__name__)

@app.route('/')
def helloworld():
    return render_template('index.html')

```

```
if __name__ == '__main__':  
    app.run(debug = False)
```

GITHUB AND DEMO VIDEO LINK:

Video:

<https://drive.google.com/file/d/19eB9YF8vg7oKIkaRolfjS8GkU4ixhpSS/view?usp=sharing>

Github:

<https://github.com/smartinternz02/SI-GuidedProject-587508-1697645456.git>