

## BRAIN SPARK; A LEARNING PLATFORM

### PROJECT TEAM: BRAIN SPARK

Members with their respectful GITHUB IDs

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## Abstract

This report documents the design, development and implementation of a splendid learning platform **BRAIN SPARK**. This project was executed over four weeks following **Agile Workflow**, integrating HTML5, CSS3, JavaScript, PHP, and MySQL. The core objective was to deliver fun things for everyone to learn and explore.

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## Project over view and SDLC Management

### INTRODUCTION:

Brain spark is a wonderful learning platform where users can learn free information.

It is a learning platform designed to teach non-traditional, real-life related topics that schools usually don't cover-manipulation awareness, dark psychology, communication skills, personal awareness, space science, life skills etc.

Our website has 4 main navigations:

#### 1) Home

- AI assistant/ Chatbot to help users
- portions with images (1-2 sentence descriptions) :
- Hyperlinks to connect us to the side webpages.

#### 2) About us

- introduction to team members.

#### 3) Contact Us

- Emails and numbers

#### 4) Suggestion/ Queries.

- a form that the users can fill and prepare the developing team suggestions and address their Queries is given

## Purpose

→ The purpose of this document is to outline the complete software Development Life Cycle (SDLC) plan for the development of Brain Spark : A learning Platform. This document defines how the website will/was designed and developed. It will also cover the parts about its maintenance and testing and implementation.

It helps us ensure every stage is planned, traceable and aligned with the project's vision and objectives.

## Scope

→

- Development of a multi-page educational website called Brain Spark
- Multiple topic pages: covering real-life concepts such as Psychology, Communication skills, dark psychology and several more splendid topics.
- About us page introducing the team members
- Hyper-link –based navigation between pages.
- Clean user friendly interface suitable for self-learners.
- No sign-in required
- No payment required
- saves time

### Intended Users.

- General Learners/ Visitors
- Students and Young adults
- Admin/ Development team
- Educators or Guiders (Optional):

## SDLC Model

→ We are using the Agile SDLC Model. It is a flexible, iterative and collaborative development approach that allows continuous improvement throughout the project. It helps us break the work into small cycles called sprints where we plan, build, test and improve features step by step.

The Agile Software Development Life Cycle (SDLC) is an iterative and incremental development approach that focuses on flexibility, continuous customer feedback, and rapid delivery of functional software. Instead of completing the entire project in one sequence, development is divided into small, manageable cycles called iterations or sprints.

## Agile SDLC Cycle (Phases)

- Requirement Gathering & Planning

High-level requirements are identified and prioritized in collaboration with stakeholders. Planning is done for short iterations.

- Design

Simple and flexible system design is created for the features selected in the iteration.

- Development (Iteration/Sprint)

Coding of selected features is done in short time frames (usually 1–4 weeks).

- Testing

Continuous testing is performed to detect defects early and ensure quality.

- Deployment

A working version of the software is released to the customer or users.

- Review & Feedback

Stakeholders review the product, provide feedback, and suggest improvements.

- Maintenance & Enhancement

Bugs are fixed, and new features are added in future iterations.

This cycle repeats until the final product is complete.

NAME	WEEK 1	WEEK 2	WEEK 3	WEEK 4
<b>Khushi</b> GID: sandexists	<b>Product Owner</b>	<b>Repo Manager</b>	<b>Back-end developer</b>	<b>Front-end developer</b>
<b>Ashish</b> GID:Ashish-pdl45	<b>Repo Manager</b>	<b>Product Owner</b>	<b>Front-end developer</b>	<b>Back-end developer</b>
<b>Prajwal</b> GID:Prajwalkhadka2997	<b>Front-end developer</b>	<b>Back-end developer</b>	<b>Product Owner</b>	<b>Repo Manager</b>
<b>Rashmi</b> GID: Rashmi5168	<b>Back-end developer</b>	<b>Front-end developer</b>	<b>Repo Manager</b>	<b>Product Owner</b>

## Requirements and Design Specification

### 2.1 Functional Requirements (The 5 Core Features)

ID	FEATURE (USER STORY)
BR-001	As a Guest, I want to view a list of all available webpages, so I can choose the one I am interested in.
BR-002	As a Guest, I want to see clear navigation links, so I can easily move between pages.
BR-003	As a Guest, I want the site to display correctly on my phone, so I can use it anywhere.
BRD-1(FOR DEVELOPERS)	As a Developer, I want to add a new topic to the inventory, for a new webpage.
BRD-2	As a Developer, I want to be able to analyze the webpages and be able to manage any problems that might occur in any of the webpages

## 2.2 Design Architecture

- Interface (Wireframes):

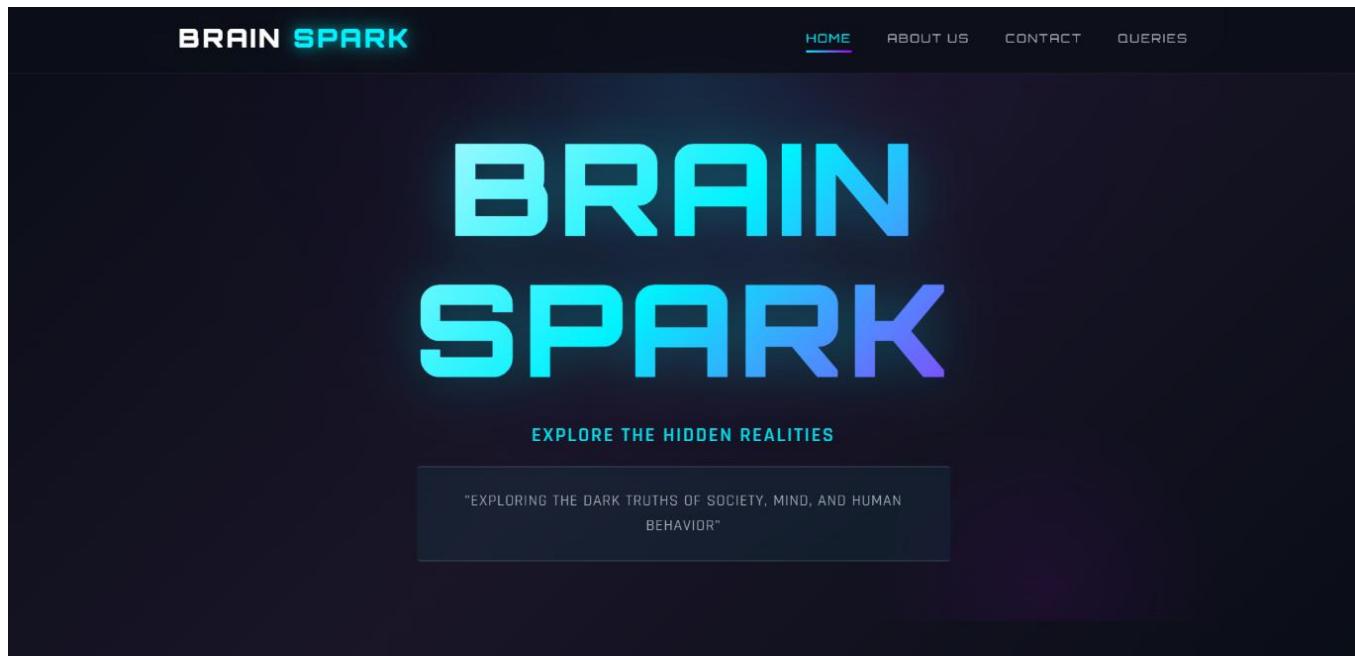
Overall view

BRAIN SPARK

HOME | ABOUT US | CONTACT | QUERIES



## 1.HOME PAGE



This image shows a section of the Brain Spark website titled "EXPLORE THE CORE DIMENSIONS". It features six rectangular boxes arranged in two rows of three. The top row contains boxes for "THE ART OF COMMUNICATION", "BREAK THE RAT RACE", and "MASTER YOUR MIND". The bottom row contains boxes for "DARK REALITY OF SCHOOL", "STUDENT MENTAL HEALTH", and "COMMUNICATION PSYCHOLOGY". Each box has a brief description below its title.

**DARK REALITY OF SCHOOL**  
What the education system doesn't tell you about learning.

**STUDENT MENTAL HEALTH**  
Navigating pressure in an increasingly demanding world.

**COMMUNICATION PSYCHOLOGY**  
The science behind human interaction and influence.

**TIME MANAGEMENT PSYCHOLOGY**  
Understanding procrastination and productivity science.

**HOW THE WORLD WORKS**  
The hidden structures of power and society.

## 2. ABOUT US

**BRAIN SPARK**

**ABOUT US**

**THE MISSION BEHIND THE SPARK**

BRAIN SPARK is not just a website. It is a digital sanctuary for those who dare to question the narrative. We exist to challenge the status quo and inspire critical thinking in a world saturated with comfortable lies.

We live in a world of curated realities, filtered perceptions, and manufactured truths. Society trains us to conform, to consume, and to comply. But deep down, you know there is more. There are questions that echo in your mind. There are truths that society doesn't want you to discover.

BRAIN SPARK is the answer to those questions. We explore the psychological frameworks that control human behavior, the hidden realities of education, and the mechanisms of power that shape our world. This is not mainstream thinking. This is what they don't teach you.

**OUR CORE MISSION**

**WHO THIS IS FOR**

The screenshot shows the 'About Us' page of the BRAIN SPARK website. At the top, there's a navigation bar with links for HOME, ABOUT US, CONTACT, and QUERIES. Below the navigation is a dark blue header section with the BRAIN SPARK logo. The main content area is divided into two sections: 'OUR CORE MISSION' on the left and 'WHO THIS IS FOR' on the right. The 'OUR CORE MISSION' section contains a bulleted list of five items. The 'WHO THIS IS FOR' section contains a paragraph of text. At the bottom of the page is a quote in a light blue box.

**OUR CORE MISSION**

- ▶ Question societal norms and accepted narratives
- ▶ Explore the depths of psychology and behavior
- ▶ Reveal uncomfortable truths people avoid
- ▶ Empower critical thinking and self-awareness
- ▶ Build a community of independent thinkers

**WHO THIS IS FOR**

This platform is for the students, the seekers, the rebels, and the thinkers. It is for anyone who feels the friction between who they are and who society wants them to be. It is for those who refuse to accept surface-level explanations. For those who want to understand not just what happens in the world, but why it happens and who benefits from it.

*"We do not offer comfort. We offer perspective. We do not follow trends. We follow truth."*

The screenshot shows the 'Why We Exist' page of the BRAIN SPARK website. At the top, there's a navigation bar with links for HOME, ABOUT US, CONTACT, and QUERIES. Below the navigation is a dark blue header section with the BRAIN SPARK logo. The main content area features a large white box containing the 'WHY WE EXIST' section. This section includes a paragraph about the human mind's power and vulnerability, followed by a paragraph about BRAIN SPARK's mission to expose manipulation and promote genuine freedom. At the bottom of the page is a footer with the BRAIN SPARK logo and copyright information.

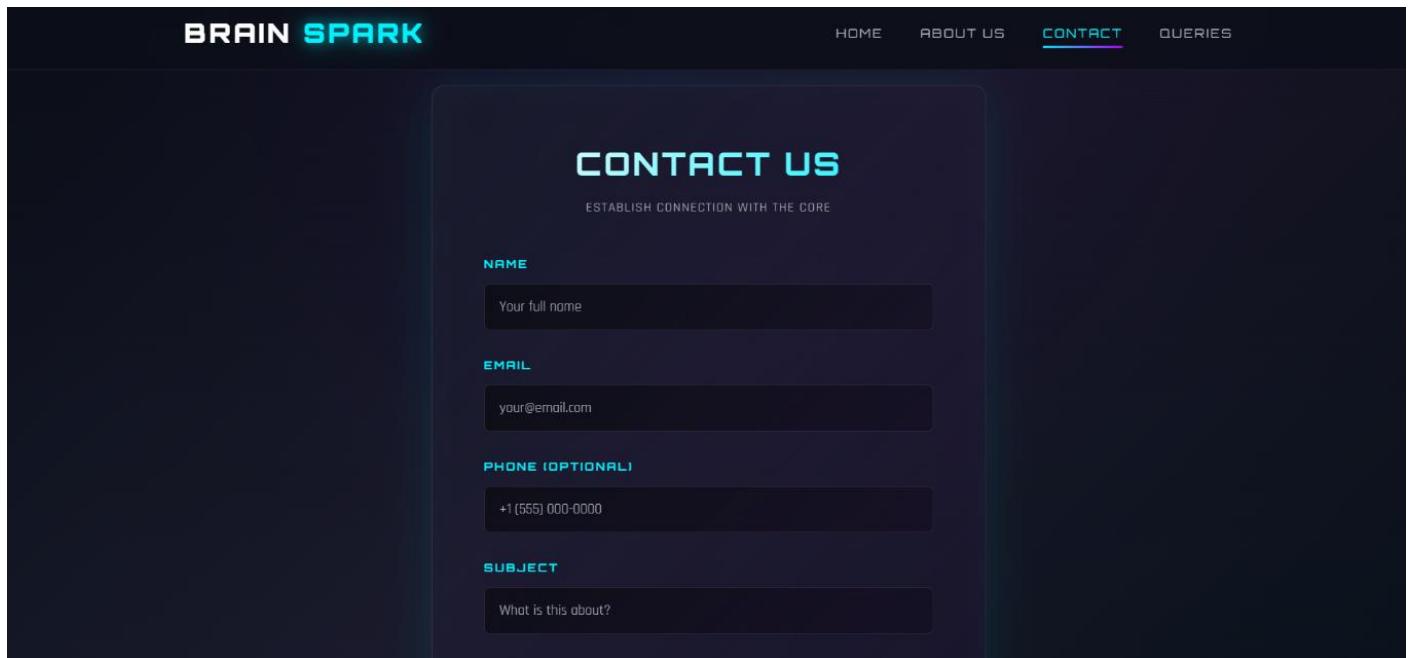
**WHY WE EXIST**

The human mind is powerful but it's also vulnerable. Throughout history, powerful forces have sought to control how we think, what we believe, and what we accept as normal. Education systems are designed to produce compliant workers. Media is engineered to manipulate perception. Psychological principles are weaponized to influence behavior.

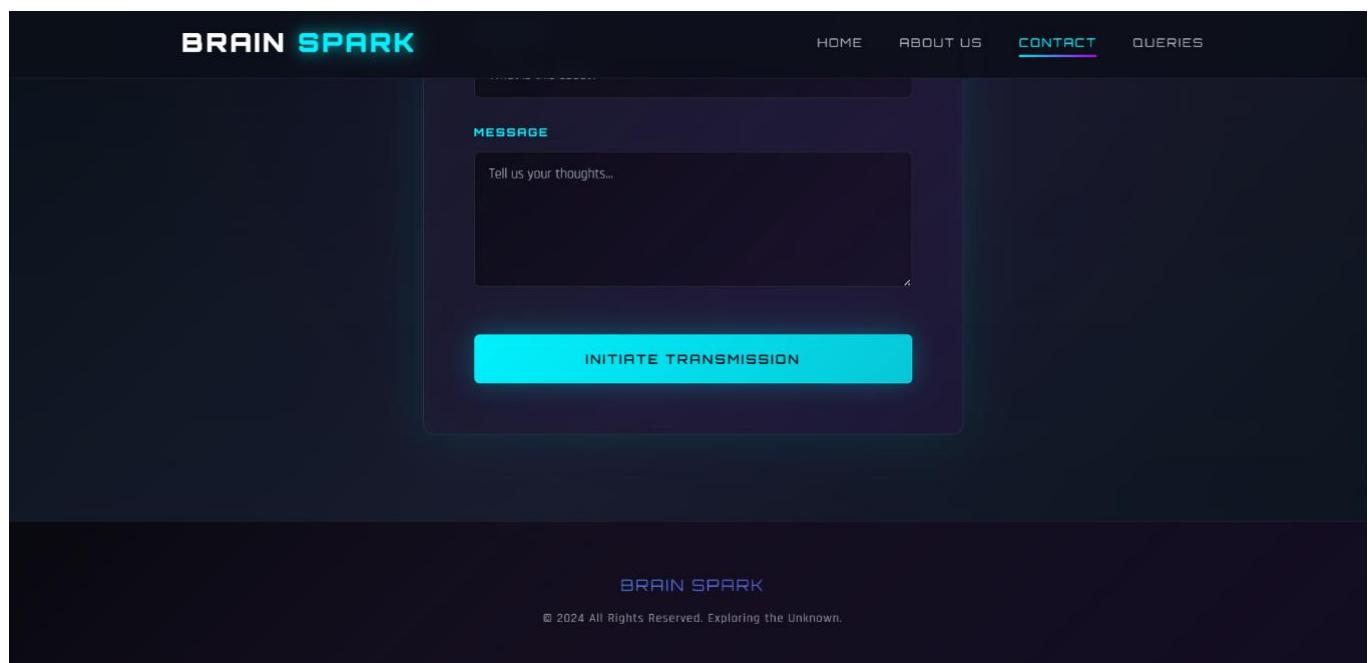
BRAIN SPARK exists to shine a light on these realities. We believe that understanding these mechanisms is the first step toward genuine freedom. Once you see the game, you can choose not to play by their rules.

**BRAIN SPARK**  
© 2024 All Rights Reserved. Exploring the Unknown.

### 3.CONTACT US



The screenshot shows the 'CONTACT US' page for 'BRAIN SPARK'. The page has a dark background with cyan text. At the top, there's a navigation bar with links for HOME, ABOUT US, CONTACT (which is underlined in cyan), and QUERIES. The main section is titled 'CONTACT US' in large capital letters, followed by the subtitle 'ESTABLISH CONNECTION WITH THE CORE'. Below this are four input fields: 'NAME' (placeholder: 'Your full name'), 'EMAIL' (placeholder: 'your@email.com'), 'PHONE (OPTIONAL)' (placeholder: '+1 (555) 000-0000'), and 'SUBJECT' (placeholder: 'What is this about?').



The screenshot shows the 'MESSAGE' form for 'BRAIN SPARK'. It has a dark background with cyan text. At the top, there's a navigation bar with links for HOME, ABOUT US, CONTACT (underlined in cyan), and QUERIES. The main section is titled 'MESSAGE' in capital letters, with a placeholder text area below it containing 'Tell us your thoughts...'. At the bottom is a large cyan button labeled 'INITIATE TRANSMISSION'. At the very bottom of the page, there's a footer with the 'BRAIN SPARK' logo and the text '© 2024 All Rights Reserved. Exploring the Unknown.'

## 4.QUERIES

The screenshot shows the 'Queries & Ideas' section of the Brain Spark website. At the top, there is a header with the 'BRAIN SPARK' logo, followed by navigation links: HOME, ABOUT US, CONTACT, and QUERIES (which is underlined). Below the header is a large, rounded rectangular input field with a dark background and light border. Inside this field, the title 'QUERIES & IDEAS' is centered in a bold, white font. Below the title, the tagline 'EXPAND THE COLLECTIVE INTELLIGENCE' is written in a smaller, white, sans-serif font. The input field is divided into several sections: 'TYPE OF TRANSMISSION' (with a dropdown menu labeled 'Select a category'), 'EMAIL' (with an input field containing 'your@email.com'), 'SUBJECT' (with an input field containing 'Brief title of your thought'), and 'DETAILS' (with a large input area containing the placeholder text 'Elaborate on your idea, query, or suggestion...').

The screenshot shows the 'Upload Data' section of the Brain Spark website. It features a dark background with a central, rounded rectangular input field. This field contains a 'DETAILS' section with a placeholder text 'Elaborate on your idea, query, or suggestion...' and a large, light-colored input area below it. At the bottom of this input field is a prominent pink button with the text 'UPLOAD DATA' in white. Below the input field, the 'BRAIN SPARK' logo is displayed, along with the copyright notice '© 2024 All Rights Reserved. Exploring the Unknown.'

