

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
Khushi GID: sandexists	Product Owner	Repo Manager	Back-end developer	Front-end developer
Ashish GID:Ashish-pdl45	Repo Manager	Product Owner	Front-end developer	Back-end developer
Prajwal GID:Prajwalkhadka2997	Front-end developer	Back-end developer	Product Owner	Repo Manager
Rashmi GID: Rashmi5168	Back-end developer	Front-end developer	Repo Manager	Product Owner

Requirements and Design Specification

2.1 Functional Requirements (The 5 Core Features)

ID	FEATURE (USER STORY)
BR-001	To view a list of all available webpages.
BR-002	To see clear navigation links.
BR-003	To display the content correctly on my Phone.
BRD-1	To add bog post as required.
BRD-2	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):

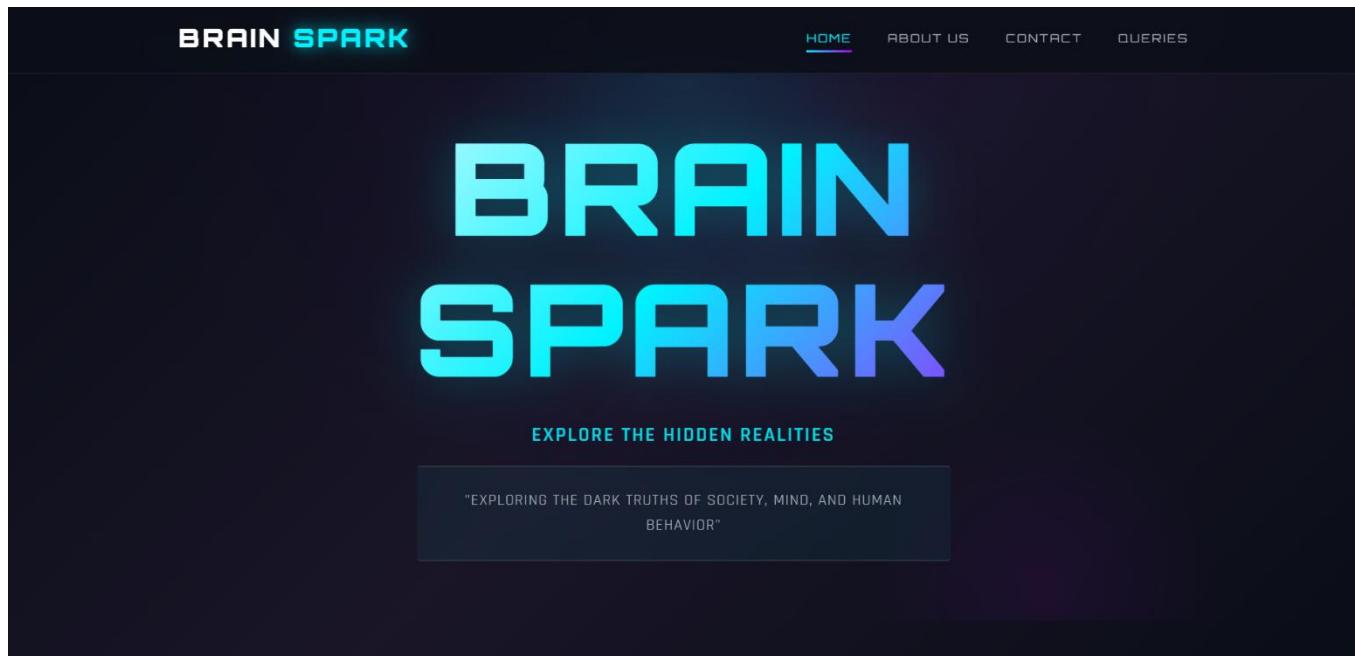
Overall view

BRAIN SPARK

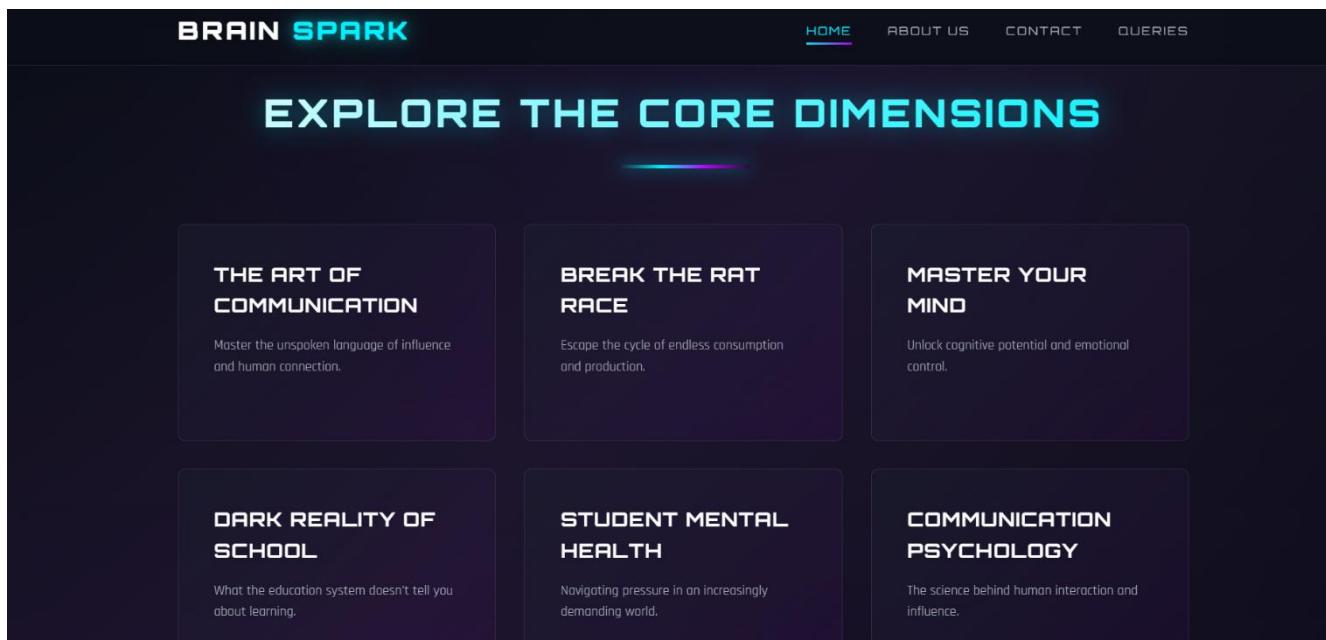
HOME | ABOUT US | CONTACT | QUERIES



1.HOME PAGE



The image shows the homepage of a website called "BRAIN SPARK". The header features the logo "BRAIN SPARK" in a bold, white, sans-serif font. To the right of the logo is a navigation bar with four items: "HOME" (underlined in blue), "ABOUT US", "CONTACT", and "QUERIES". Below the header, the main title "BRAIN SPARK" is displayed in a large, stylized, blue-to-white gradient font. Underneath the title is the subtitle "EXPLORE THE HIDDEN REALITIES" in a smaller, white, sans-serif font. A dark grey rectangular box contains the text "EXPLORING THE DARK TRUTHS OF SOCIETY, MIND, AND HUMAN BEHAVIOR" in a white, sans-serif font.



The image shows a page titled "EXPLORE THE CORE DIMENSIONS" in a large, white, sans-serif font. The page is divided into six sections arranged in two rows of three. Each section is contained within a rounded rectangle with a dark background. The first row contains three sections: "THE ART OF COMMUNICATION", "BREAK THE RAT RACE", and "MASTER YOUR MIND". The second row contains three sections: "DARK REALITY OF SCHOOL", "STUDENT MENTAL HEALTH", and "COMMUNICATION PSYCHOLOGY". Each section has a title in bold black font and a brief description in a smaller white font below it.

THE ART OF COMMUNICATION	BREAK THE RAT RACE	MASTER YOUR MIND
Master the unspoken language of influence and human connection.	Escape the cycle of endless consumption and production.	Unlock cognitive potential and emotional control.

DARK REALITY OF SCHOOL	STUDENT MENTAL HEALTH	COMMUNICATION PSYCHOLOGY
What the education system doesn't tell you about learning.	Navigating pressure in an increasingly demanding world.	The science behind human interaction and influence.

The home page features a dark background with five white-bordered boxes arranged in two rows. The top row contains three boxes: 'DARK REALITY OF SCHOOL', 'STUDENT MENTAL HEALTH', and 'COMMUNICATION PSYCHOLOGY'. The bottom row contains two boxes: 'TIME MANAGEMENT PSYCHOLOGY' and 'HOW THE WORLD WORKS'. Each box has a title, a brief description, and a small image icon.

- 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

The 'ABOUT US' page has a dark background with white text. It includes a main heading 'ABOUT US', a section titled 'THE MISSION BEHIND THE SPARK', and two call-to-action buttons at the bottom.

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 homepage of the Brain Spark website. At the top, there's a navigation bar with links for HOME, **ABOUT US**, CONTACT, and QUERIES. The main content area has two sections: "OUR CORE MISSION" on the left and "WHO THIS IS FOR" on the right. Below these is a quote in a purple-bordered 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 "About Us" page of the Brain Spark website. The top navigation bar includes links for HOME, **ABOUT US**, CONTACT, and QUERIES. The main section is titled "WHY WE EXIST". It contains two paragraphs of text and ends with the Brain Spark logo and copyright information.

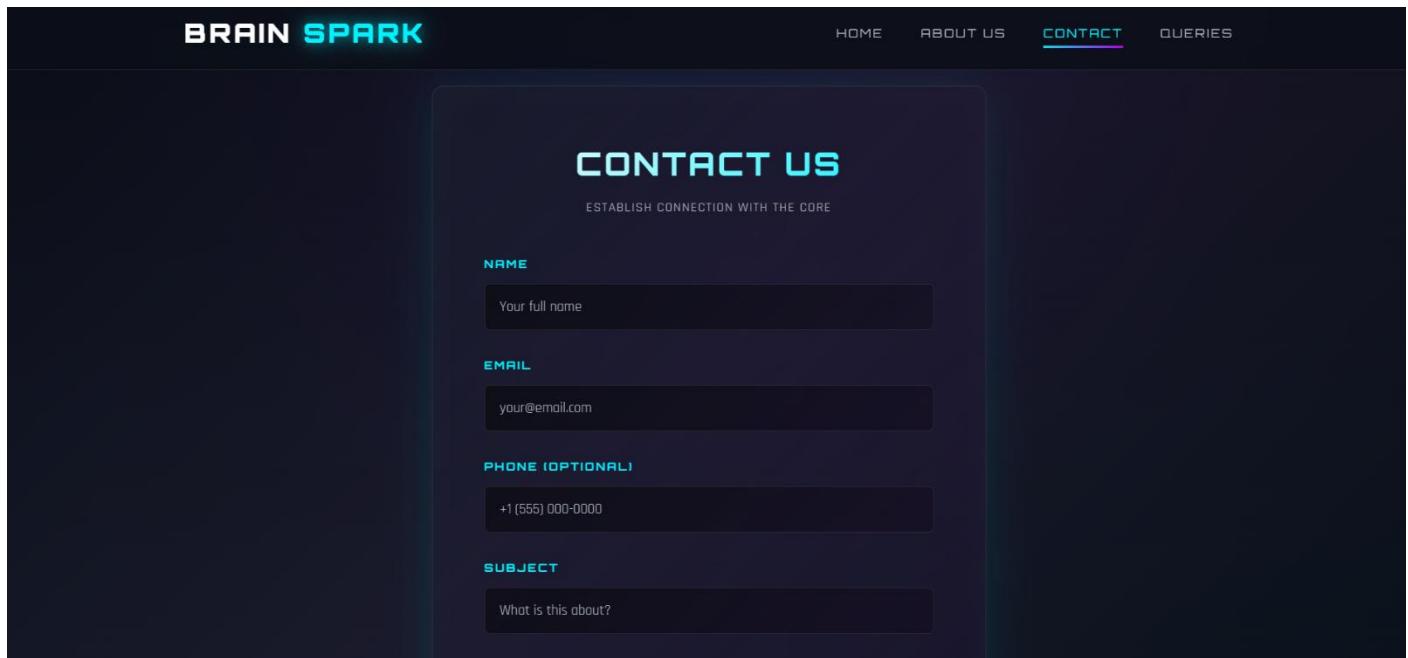
WHY WE EXIST

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.

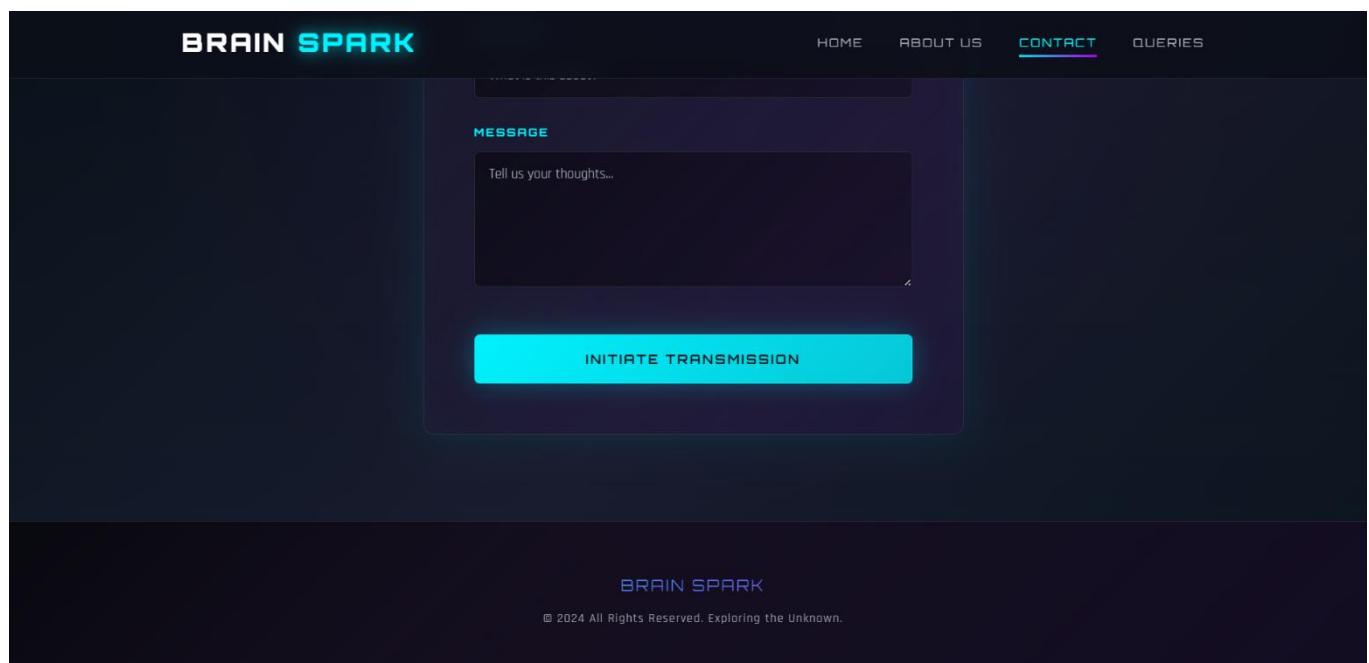
BRAIN SPARK exists to shine a light on these realities. We believe that understanding these mechanisms is the first step toward genuine freedom. Once you see the game, you can choose not to play by their rules.

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

3.CONTACT US



The screenshot shows the 'CONTACT US' page of the Brain Spark website. At the top, there's a navigation bar with links for HOME, ABOUT US, CONTACT (which is underlined in purple), and QUERIES. The main title 'CONTACT US' is centered at the top of the page, with the subtitle 'ESTABLISH CONNECTION WITH THE CORE' underneath it. Below this, there 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' section of the Brain Spark website. It features a large input field labeled 'MESSAGE' with the placeholder text 'Tell us your thoughts...'. Below this is a prominent blue button labeled 'INITIATE TRANSMISSION'. At the bottom of the page, there's a footer with the 'BRAIN SPARK' logo and the copyright notice '© 2024 All Rights Reserved. Exploring the Unknown.'

4.QUERIES

The screenshot shows a dark-themed web page for 'BRAIN SPARK'. At the top, there's a navigation bar with links for 'HOME', 'ABOUT US', 'CONTACT', and 'QUERIES'. Below the navigation is a large, rounded rectangular input form titled 'QUERIES & IDEAS' with the subtitle 'EXPAND THE COLLECTIVE INTELLIGENCE'. The form includes fields for 'TYPE OF TRANSMISSION' (a dropdown menu), 'EMAIL' (an input field containing 'your@email.com'), 'SUBJECT' (an input field containing 'Brief title of your thought'), and 'DETAILS' (a text area with placeholder text 'Elaborate on your idea, query, or suggestion...').

The screenshot shows a dark-themed web page for 'BRAIN SPARK'. At the top, there's a navigation bar with links for 'HOME', 'ABOUT US', 'CONTACT', and 'QUERIES'. Below the navigation is a large, rounded rectangular input form titled 'DETAILS' with a placeholder text area containing 'Elaborate on your idea, query, or suggestion...'. At the bottom of this form is a prominent purple button labeled 'UPLOAD DATA'. At the very bottom of the page, there's a footer section with the 'BRAIN SPARK' logo and the text '© 2024 All Rights Reserved. Exploring the Unknown.'

