



Saurabh Sharma <saurabh180704@gmail.com>

Design Thinking and Innovation Milestone Two - 2022 Batch

Google Forms <forms-receipts-noreply@google.com>
To: saurabh180704@gmail.com

22 March 2024 at 04:17

Thanks for filling in [Design Thinking and Innovation Milestone Two - 2022 Batch](#)

Here's what was received.

Design Thinking and Innovation Milestone Two - 2022 Batch

Deadline: 20 March 2024 - 23:59 hrs. save your answers in MS Word file first and then copy paste in the form. Keeping form open for a longer duration may give an error (e.g., response is too large).

Your email address (saurabh180704@gmail.com) was recorded when you submitted this form.

Write Your Name *

Saurabh Sharma

NOTE: One member from each team should fill the form. Min and max limit is of CHARACTERS in some questions (500 characters is different than 500 words).

The milestone will help you make sure you're on track and should describe what you've accomplished so far, and very briefly say what else you plan to do. You should write it as if it's an "early draft" of what will turn into your final project. You can write it as if you're writing the first few pages of your final project report, so that you can re-use most of the milestone text/figures in your final report.

Second Milestone is a major task for that and consists of 25 Marks (with the demo). Any laxity in preparing this may cost you your grade in this course.

The Form will be checked for Plagiarism using Turnitin/Cross-Check and Language Checker. In case the Form is not submitted by Due date, for each late day your evaluated marks will be reduced by two marks. If your plagiarism score is more than 5% then you will get Zero marks overall. If your Language Checker has more than 50 errors in the whole Form, you will get Zero marks overall.

This Form sets the journey for your critical and important step for project. Spend sufficient time to build the answers. For each Question, no of marks is given. You will either get Zero, Half or Full marks in every question for the content of your answer.

Any white spaces or other manipulation to fulfil the criteria of minimum characters to answer the question will attract zero marks out of 25 in the 2nd milestone.

After submitting 2nd Milestone Any change in team and Project will attract a penalty of 2 marks for each subsequent day.

Write your Enrollment Number *

E22CSEU0882

Your team number [check LMS for project list and team number for your project] *

1

Write your alternate Email Address *

E22CSEU0882@bennett.edu.in

Write your Mobile Number *

7037619518

Project Details

Write names of your team members including you separated by comma (e.g., Abc, Xyz) *

Saurabh Sharma

Write enrollment no's of your team members including you separated by comma (e.g., E22CSE001, E22CSE002) *

E22CSEU0882

Select your team's batch *

EB30

Project Title *

TextMinds

User Interface Design [prototype] *

Salient Points/ How it meets the characteristics of User-Centered Design etc. (Minimum 500 characters and maximum 1000 character and at least 4 figures of the User interface or other related figures of your project via a prototyping tool [e.g., mockflow]). This Question Carries Two Mark.

TextMinds' user interface (UI) design follows user-centered design to ensure usability, accessibility, and efficiency. The design includes intuitive navigation, clear hierarchy, and customizable options to enhance the user experience.

Control Panel: The main control panel provides an overview of features such as authoring, information and profile management, allowing users to easily access their desired tasks.

Text summary interface: The text summary interface provides a simple input field where the user can paste or type the text to be summarized. Expanded buttons and options allow users to customize endpoints to their liking.

Text Recognition Module: Text Recognition Module has an intuitive interface with the option to load or write data for recognition. Users can select specific points of interest or landmarks for inference, thus improving the accuracy and precision of the analysis process.

Settings Menu: The Settings Menu gives users control over many features of the platform, such as preferred languages, notification settings, and account management. Clear text and visual feedback guide users to customize settings to meet their needs.

These user interface designs are based on design principles based on user needs, preferences and goals. User interface design provides a communicative and intuitive user experience through iterative testing and feedback, ultimately leading to user satisfaction and engagement with the TextMinds platform.

[Prototype: (1) control panel, (2) text summary interface, (3) text recognition module, (4) settings menu]

Upload a User Interface Design File. Create a PDF with all images and upload the single PDF. This is part of the above question. *

Submitted files



TextGenius - Saurabh Sharma.pdf

Potential User Feedback *

This feedback should be collected from potential user in person or by phone. Potential User 1 Feedback: Potential User 2 Feedback: Potential User 3 Feedback: Potential User 4 Feedback: Potential User 5 Feedback: At least 50 words for each feedback This Question Carries One Mark.

Feedback from User 1: "The user interface is very simple and easy to navigate. I especially like the customization options for memos. However, I found text recognition to be a bit slow when working with larger files. Overall, it's a promising feature. A tool with great potential."

Feedback from User 2: "I appreciate the accessibility features in the interface, such as adjusting the size and different color options. I am having some difficulties accessing the brass menu. However, I think this tool is useful for my work. "

Positive User 3 Review: "Visual feedback was very helpful in guiding my interaction with the device. Overall, I am very pleased with the interface design and functionality. "

Feedback from User 4: "The main dashboard provides a clear overview of potential tools, but I would like to see more interactive content for user-friendly ones. Text link content is easy to use, but sometimes I encountered problems creating content. With some improvements this would be a great resource for researchers like me. " Have a good experience using this tool, especially the text module that can provide relevant information from text. However, I found the text editor's customization options to be a bit limited.

Design Documents: (Overall Architecture Diagram/ Use-case Diagram/ Activity Diagram/ Solution Diagram, etc.) (As Applicable) . Please write Minimum 500 and Maximum 1000 Characters. This Question Carries Three Mark. *

Overall Architecture Diagram: This diagram shows the high-level structure of our system; It shows the components, their interactions, and the flow of information. It shows how modules such as typing and information can be integrated with user interfaces and external services.

Use-case Diagram: This diagram shows the various interactions between the user and the system, identifying the main uses and functions. It describes events such as accessing text to write, editing settings, and accessing data to write or analyze.\

Activity Diagram: A flowchart provides a step-by-step view of the workflow, from user interaction to final operations. It shows the activities involved in language processing, writing, acquiring and presenting information.

Solution Diagram: This diagram presents a comprehensive view of how our solution addresses user needs and technical requirements. It highlights the key components, technologies, and algorithms utilized to achieve text summarization, recognition, and user interaction.

Upload a Design Document as PDF file (you may use a tool like Lucidchart to create them easily). This is part of above question. (You are supposed to upload a single file, If you have multiple files then merge them into a single file, convert it into PDF and then upload.) *

Submitted files



UML Diagram - Saurabh Sharma.pdf

Ethical and legal/privacy/terms and conditions *

Actual Text of such issues that will be put before the user to agree. Please write minimum 2000 and maximum 10000 Characters. This Question Carries Three Mark.

Ethical, Legal, Privacy and Terms and Conditions

Ethical Considerations:

Respect for Proprietary Rights: Users must agree to respect the intellectual property rights of others and not to misappropriate or misuse the material.

Fair Use: Users agree to use the platform for educational and research purposes and to refrain from offensive or dishonest behavior that may offend others or violate social norms.

Legal Compliance:

Legal Rights: The User acknowledges and agrees that all content presented on the Platform is protected by intellectual property rights law and may not be used or copied without appropriate permission.

Data Protection: Users consent to the collection, processing and storage of their personal data in accordance with data protection laws such as the General Data Protection Regulation (GDPR) or the California Consumer Act (CCPA).

Online Conduct: Users agree to comply with all applicable laws and regulations governing online conduct, including but not limited to copyright laws, harassment, fraud, defamation and criminal activity.

Privacy Policy:

Data Collection: We collect personal data such as name, email address and profile for account registration and maintenance purposes.

Use of Information: We use the information we collect to provide personalized content, improve our services, and communicate with users about updates or promotions.

Data sharing: We may share user data with trusted third-party service providers to fulfill user requests or improve our services, but we will not sell or rent user data to third parties without permission. Perfect view.

Data Security: We use industry standard security measures to protect user data from unauthorized access, disclosure, alteration or destruction.

Terms and Conditions:

User Agreement: By using the Platform, the User agrees to be bound by these terms and conditions that govern the use of the Platform and other services.

Content Ownership: Users retain ownership of the content they create or upload to the Platform, but grant us the right to use, reproduce, edit, modify, publish, translate and distribute their content for purposes other than operating and development. . Platform. Special license.

Account Suspension: We reserve the right to suspend or terminate user accounts for violations of these Terms and Conditions or disruptive behavior that may harm the Platform or other users.

Limitation of liability: We are not liable for any damages arising from the use of the platform, including but not limited to direct, indirect, consequential, punitive or punitive damages, and users agree to indemnify us for any claims or losses incurred. . by..

Solution:

Arbitration: All disputes arising under these Terms and Conditions shall be resolved by arbitration under the rules of the American Arbitration Association.

Governing Law: These Terms and Conditions shall be governed by and construed in

accordance with the laws of the jurisdiction in which the Platform is located.

Users confirm that they have read, understood and agreed to comply with the above rules by accepting the ethical, legal, privacy and terms and conditions when using the platform.

Feasibility study/ Business Context of the idea/ Monetization/ Opportunity Analysis

*

Please write Minimum 1000 Maximum 2000 Characters. This Question Carries two Mark.

Feasibility Study:

The feasibility study of the TextMinds platform includes the evaluation of the technical, financial and operational aspects of the project. From a technology perspective, leveraging advanced natural language processing (NLP) technologies such as T5 and BART is possible thanks to pre-existing learning models and open source libraries. Financially, the project requires investment in infrastructure, infrastructure and regular maintenance, but there is also potential to make money through good features and partnerships that make it worthwhile. Operationally, the project can be effectively managed by a team of experts with NLP and software development experience.

Business concept of the idea:

The idea for TextMinds is based on the growing need for industry-renowned, quality authoring and recognition tools. As digital content grows, there is an urgent need for solutions that can sift through large amounts of text and extract important insights quickly and accurately.

TextMinds addresses this need by providing a comprehensive platform based on advanced NLP models that serves the needs of professionals, researchers, students, and businesses. It makes writing and reviewing tasks easier to do.

Monetization:

TextMinds offers various ways to earn money, including:

Subscription Plans: Users can sign up for premium plans with advanced features such as tweaking options, improved content, etc. Algorithms and key support.

Licensing: The Platform can license its technology and API to businesses and organizations that wish to integrate text and analytics capabilities into their products or services.

Partnerships: Partnerships with schools, research organizations, and businesses can lead to revenue sharing or content promotion.

Advertising: TextMinds may use its diverse user base and affiliates to generate revenue through targeted advertising based on user preferences and behavior.

Timeline Analysis:

TextMinds' Timeline Analysis reveals a promising business environment created by:

Increasing Demand: Growth of digital content and need for good word processing tools This is TextMinds' It provides a great business opportunity.

Limited Competition: Despite the short list and well-known tools available, very few have advanced features and work well. The user-friendly interface provided by TextMinds gives it a competitive advantage.

Diverse User Base: TextMinds appeals to a diverse user base from a variety of industries, including education, business, journalism and research, allowing it to generate multiple business and revenue.

Technological Advances: As NLP and machine learning continue to evolve, TextMinds has the opportunity to continually improve its algorithms and expand its features that set it ahead of its competitors and meet customers the way they want.

Project cost estimation *

Please write the estimated cost [think about COCOMO model from last semester and other possible costs] that your project required in 3 years or completion of the project. A cost estimate is a summation of all the costs involved in successfully finishing a project, from inception to completion (project duration). Common types of expenses include Labor, Materials, Equipment, Services, Software, Hardware. Please write Minimum of 500 Maximum 1000 Characters. This Question Carries one Mark.

Estimated costs for the three-year TextMinds program include labor, software, hardware, services and other costs. Labor costs are the largest item, including salaries of developers, data scientists, and project managers. Software fees include licensing of NLP libraries, development tools, and cloud services. Hardware expenses include the purchase and maintenance of servers and computing equipment. Services include outsourcing certain tasks, such as UI/UX design and quality testing. Other expenses include overhead, marketing costs and legal fees. Total cost estimate of the project using the COCOMO model and taking into account market comparisons.

Partial Implementation/ Draft Code *

Give Link of Github Repository URL where your partial code is available to see. Minimum 25% of the code should be declare in this answer. This Question Carries Three Marks.

<https://github.com/Saurabhsha52/DTI-Project->

Week wise Updates/ Diary/ Proportional achievement of stated outcomes/ Graded Functionality, etc. You may use a tool (e.g., Hugo) to keep your meeting notes handy. *

(At least 300 characters in each week) Week 1 Week 2 Week 3 Week 4 Week 5 Week 6
Week 7 Week 8. This Question Carries Two Marks.

Week 1:

Project meeting on the day where the goals and objectives will be discussed.

Examine state-of-the-art NLP models such as T5 and BART.

Create project repositories and collaboration tools.

Define project scope and deliverables.

2. Week:

Search for information before performing essay writing and practice tasks.

View information on NLP-based text processing methods.

Discuss the architectural design of the TextMinds platform.

Assign primary tasks to team members based on skills.

3. Week:

Complete data entry for data collection.

Using different NLP models and strategies.

Perform preliminary tests to evaluate model performance.

Start writing UI designs and wireframes.

4. Week:

Finish information before the pipeline is written and approved.

Fine-tune NLP models using unique data records.

Integrate preliminary text generation and recognition functions.
 Oversee and finalize user interface design based on feedback.
 Integrate preliminary text generation and recognition functions.
 Oversee and finalize user interface design based on feedback.

5. Week:

Conduct usability testing with user models.
 Write feedback about interface configuration, functionality and usability.
 Accept user feedback to improve user interface design.
 Prepare documentation regarding the project architecture and terms of use.

6. Week:

Additional features such as profile management and groups have been implemented.
 Performance tests were conducted to increase typing speed and accuracy.
 The ultimate in effective and collaborative research.
 Hold code review meetings to ensure code quality and consistency.

7. Week:

Complete the integration to check the result.
 Perform security tests to identify and resolve vulnerabilities.
 Prepare for distribution and production.
 Organise training for end users and support staff.

8. Week:

Launch of the TextMinds platform to the public.
 Monitor user feedback and address questions or concerns.
 Continue to develop and improve the platform based on user data.
 Start planning future updates and improvements based on user input and business trends.

Week Wise Plan for the remaining time to complete the Project *

(At least 300 Character in each week) Week 9 Week 10 Week 11 Week 12. This Question Carries Two Mark.

Week 9:

Conduct user research and collect feedback to identify areas for improvement.
 Follow up on user requests for features and improvements based on feedback.
 Implement additional testing and security measures to ensure the platform is stable. Begin planning marketing and advertising campaigns to increase customer usage.

10. Week:

Make marketing campaigns to promote the TextMinds platform to your target audience.
 Monitor user engagement metrics and adjust marketing strategies as needed.
 Explore partnerships and collaborations to expand the platform's reach.
 Continue to iterate platform functionality based on user feedback and usage data.

11. Week:

Create platform functionality and recommendations to users to identify key issues or areas for improvement.
 Perform end testing and make improvements to resolve identified issues. Prepare general information and instructions for using the platform.
 Complete post-release support and maintenance plans.

12. Week:

Final review and verification of all platforms and operations.
 Organize a launch event or announcement to celebrate the launch of the platform.

Monitor the platform's performance and user feedback in the initial post-launch period.
Start planning future updates and improvements to keep the platform current and competitive.

One impressive post on LinkedIn regarding your Project [submit the URL of your post]. *

(At least 300 Characters and one Image and 5 hashtags). This Question Carries one Mark.

<https://www.linkedin.com/in/saurabh-sharma-409b51241/>

Is your idea/Project/Product is applicable for patent? If Yes then, Why do you think it can be submitted for patent? How do you plan to proceed for Patent? Even if your answer is no, explain why do you think it cannot be submitted for patent?

(Minimum 300 characters maximum 1000, this question carry 1 Mark) *

Yes, new algorithms, methods or techniques developed by the TextMinds project using advanced NLP models such as T5 and BART specifically for text and recognition information will be eligible for patent protection. These new inventions may be eligible for utility patents because they provide new, useful methods or methods that provide solutions to problems. If you want to apply for a patent, we first conduct a patent search to verify that our idea is new and has not been patented by others. We will then work with a patent attorney to write a patent application that clearly describes our invention and what makes it different. Applications must meet the patent office's requirements, including providing detailed information and sufficient evidence to demonstrate the novelty, usefulness and clarity of the design. If our idea does not meet the patentability criteria, this may be because it does not offer a new, creative solution or falls into the category of not being an invention eligible for patent protection. abstraction or natural phenomenon. In such cases, we rely on other protections, such as trade secrets or copyright, to protect our intellectual property rights.

Feedbacks

Senior students and others

Discuss your Project with at least three students of your senior batches of Bennett University and ask them how they rate your project from 1 to 10 scale. They should be ready to confirm if they are called on their mobile number.

(At least 200 Character feedback from each of them, Positive or negative feedback will not determine the marks but the quality of the feedback will) This question carry 2 Mark.

Feedback 1 - Name, Enrolment#, email and mobile# of student along with the description of the feedback. *

Siddharth Kumar , E22CSEU0618, E22CSEU0618@bennett.edu.in and 8376866266, Siddharth Kumar is interested in the innovative approach of the TextMinds project, especially the use of advanced NLP technology. He found the user interface intuitive and relevant. Siddharth rated the program 9 out of 10 and acknowledged its potential but also raised areas for further improvement.

Rating 1 *

	1	2	3	4	5	6	7	8	9	10	
Poor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Awesome

Feedback 2 - Name, Enrolment#, email and mobile# of student along with the description of the feedback. *

Anvi Kohli, E22CSEU0201, E22CSEU0201@bennett.edu.in and 7428717989, Anvi Kohli praised the nature of the TextMinds project and its ability to simplify language processing. She found the user interface visually pleasing but suggested improving accessibility. Anvi rated the project 8 out of 10 and expressed optimism about its future development.

Rating 2 *

	1	2	3	4	5	6	7	8	9	10	
Poor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Awesome

Feedback 3 - Name, Enrolment#, email and mobile# of student along with the description of the feedback. *

Aditya Singh Rathore, E22CSEU0153, E22CSEU00153@bennett.edu.in, Aditya Singh Rathore praised the TextMinds project for its ambitious and advanced technology. He is interested in the integration of NLP models and their potential for practical use. Aditya gave the project 9 out of 10, saying it has the potential to make a huge impact in the world of word processing.

Rating 3 *

1 2 3 4 5 6 7 8 9 10

Poor ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☒ ☐ Awesome

Discuss your project with two people outside the Bennett University (apart from your family members and preferably from industry) and ask them how they rate your project and its progress from 1 to 10 scale. They should be ready to confirm if they are called on their mobile number.

(1+1 mark for each of two). (At least 200 Characters feedback from each of them, Positive or negative feedback will not determine the marks but the quality of the feedback will)

Feedback 1 - Name, who they are, email and mobile# of those along with the description of the feedback. *

Harsh dagur , Brother, harsh2322@gmail.com and 7906640970. Technology marketing expert Harsh Dagur praised the innovative approach of the TextMinds project. It verifies the ability of the project to change the processing language and visualize the integration of advanced NLP techniques. Harsh gave the project 9 out of 10 and expressed optimism about its future development.

Rating 1 *

1 2 3 4 5 6 7 8 9 10

Poor ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☒ ☐ Awesome

Feedback 2 - Name, who they are, email and mobile# of those along with the description of the feedback. *

Krish Mahajan , Brother, krish2312@gmail.com and 7248810380. Software development expert Krish Mahajan was honored for the purpose of the TextMinds project. He realized the potential of using advanced NLP techniques for typing and recognition. Krish rated the project 9 out of 10, citing its success and potential for widespread adoption.

Rating 2 *

12345678910

PoorAwesome

We as a team agree that the content or the part of the content is not generated via the AI tool (e.g., ChatGPT). *

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