

**Project Design Phase-I**  
**Proposed Solution Template**

Date	19 September 2022
Team ID	PNT2022TMID31792
Project Name	News Tracker Application
Maximum Marks	2 Marks

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	In This modern world we cannot have enough time to read the newspaper.
2.	Idea / Solution description	Here we will use python and to store data in cloud which is used to make news tracking application to show news based on their location.
3.	Novelty / Uniqueness	And Also we have extra features that set to display trending News section.
4.	Social Impact / Customer Satisfaction	<b>User Interface</b>  It is an old saying “first impression is the last impression”. So the developer should make sure that the application should leave a mark on the users.This is where you need to focus on bringing interactive, visual and architectural designs as well. It means that the content should be distributed in the app such that the screen do not appear crowded with the content. <b>Filter content</b>  The option of filtering the content based on different category should be incorporated in the app to provide the audience wide taste and sensibilities. Sothe users can read news that matters to them.

5.	Business Model (Revenue Model)	<div><div>data collection</div><div>preprocessing</div><div><div>1. cleaning</div><div>2. content extraction</div><div>3. merging</div></div></div> <pre>graph LR     subgraph data_collection [data collection]         User((User)) -- HTTP request --&gt; Proxy[Proxy server]         Proxy -- HTTP response --&gt; User         Proxy &lt;--&gt; Internet((Internet))         Proxy &lt;--&gt; UserDB[(User database)]         Proxy --&gt; RawLog[Raw log files]     end     subgraph preprocessing [preprocessing]         subgraph 1_cleaning [1. cleaning]             RawLog --&gt; Cleaner[Cleaner]             AllowedDomains[Allowed domains] --&gt; Cleaner             BlockedDomains[Blocked domains] --&gt; Cleaner             Labels[Labels] --&gt; Cleaner             AllowedTypes[Allowed types] --&gt; Cleaner             Cleaner --&gt; Sessionizer[Sessionizer]             Sessionizer --&gt; CleanedLog[Cleaned log files]         end         subgraph 2_content_extraction [2. content extraction]             CleanedLog --&gt; ContentExtractor[Content extractor]             ExtractionTemplates[Extraction templates] --&gt; ContentExtractor             ContentExtractor --&gt; ContentFiles[Content files]         end         subgraph 3_merging [3. merging]             CleanedLog --&gt; Merger[Merger]             ContentFiles --&gt; Merger             Merger --&gt; FinalLog[Final log files]             Merger --&gt; ImageFiles[Image files]         end     end</pre>												
6.	Scalability of the Solution	<div><div>MONTHLY UNIQUE VISITORS</div><div>AVG. MONTHLY MINUTES PER VISITOR</div></div> <table><thead><tr><th colspan="2">MONTHLY UNIQUE VISITORS</th><th colspan="2">AVG. MONTHLY MINUTES PER VISITOR</th></tr></thead><tbody><tr><td>MOBILE APP</td><td>3.3M</td><td>MOBILE APP</td><td>201.8min</td></tr><tr><td>MOBILE WEB</td><td>8.9M</td><td>MOBILE WEB</td><td>10.9min</td></tr></tbody></table> <p>It's easier to build large audiences on the Web</p> <p>But native app users spend 18x more time</p> <p>LUHEW CONSULTANT + DESIGN</p> <p>comScore Mobile Metrics, U.S., Age 18+, June 2015</p>	MONTHLY UNIQUE VISITORS		AVG. MONTHLY MINUTES PER VISITOR		MOBILE APP	3.3M	MOBILE APP	201.8min	MOBILE WEB	8.9M	MOBILE WEB	10.9min
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