



វិទ្យាស្ថានបច្ចេកវិទ្យាឌីជីថល
Institute of Digital Technology

2nd Capstone Follow-up First Version

Student Name: : Choeng Rayu IDTB100252

: Tep Somnang IDTB100190

: Tet Elite IDTB100227

: Lon Mengheng IDTB100003

: Sophal Taingchhay IDTB100086


: May Kunaphivath IDTB100032


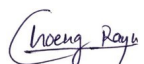
Advisor Name: Dr. Duch Dynil

Group : 30

Start Date: Jan 12, 2026

End Date: Mar 22, 2026

Timeline	What Students Should Do?	Missing Elements / Notes	Advisor Signature	Student Signature
First week of capstone	First Meeting: <i>allocated specific roles and responsibilities, established the project structure, and prepared the database to present our preliminary progress to the advisor</i>	Date: 09 February 2026 <i>Initially, users will manually enter prescriptions, and access to the OCR scanning feature will be limited to subscribed users. Secure communication between the frontend and backend will be implemented using encryption and password hashing to protect sensitive data. These measures will guide the project's development and security design.</i>		

<p>Within the first 2 weeks of Capstone</p>	<p>Second Meeting: progress of project design, requirement gathering, and technical plan. and any concerns they have faced.</p> <p>Implement project code such as;</p> <p>The first one is OCR scanning using Tesseract. Using sample data and image for testing OCR scanning to measure accuracy. Along with OCR, there is an implementation of AI using Ollama to enhance the text extract from OCR scanning.</p> <p>The second one is backend development. API design for authentication, prescription creation, family connection, medication reminder.</p> <p>The last is frontend implementation. Authentication screen design, home page screen, doctor dashboard screen are already implemented.</p>	<p>Date: 13 February 2026</p> <p>Integration between backend and frontend is in progress, it is not done yet. Accelerate this action as soon as possible for complete application.</p> <p>The accuracy of OCR scanning with AI enhancement needed to be improved from 80-90 percent.</p> <p>For next meeting ,there will be successful connectivity of backend and frontend</p>		
<p>By the end of first month</p>	<p>Third Meeting:</p> <p>Application demonstration and business model proposed. Feedback on advisors and direction of improvement.</p> <p>Test accomplished connectivity between back and frontend services.</p> <p>Demonstrate the entire application processing with uploading images to OCR scanner, artificial intelligence to extract the text, and the structured presentation of the medical information in the mobile app.</p> <p>Current user verification and service assimilation.</p>	<p>Date: 20 February 2026</p> <p>connection between back-end and front-end with integration of the workflow was demonstrated.</p> <p>Advisor recommended switching to a system of pricing based on storage to one based on features (freemium, i.e. storage is free, but other features are paid) like access to family members.</p> <p>Simple and suggested QR code payment integration.</p>		

	<p><i>Propose business model and pricing of the application.</i></p>	<p><i>The reminder scheduling should be computed dynamically and dependent upon the dosage and frequency.</i></p> <p><i>Insert verification preview and save prescription information.</i></p> <p><i>Concentrate now on development of features, stability in the system, simplified authentication of phone number, and error-remedy in the next demo.</i></p>		
<p>By the halfway of capstone</p>	<p>Fourth Meeting: <i>_Project progress should be updated at every meeting. By this time, students are expected to have completed a few components of their reports. Student must have a midterm presentation with their own advisor.</i></p>	<p>Date:</p> <p><i>List progress or problem here</i></p>		
<p>By the last meeting of capstone</p>	<p>Fifth Meeting: <i>As the project implementation nears completion, students must meet with their advisor to ensure a proper wrap-up. This includes finalizing results to be included in the report.</i></p>	<p>Date:</p> <p><i>List progress or problem here</i></p>		

By the last two weeks of capstone	Sixth Meeting: <i>During this period, many meetings are required, and students must ensure that their work is beautifully wrapped up. Additionally, any school-related work should be reviewed by advisors before submission.</i>	Date: <i>List progress or problem here</i>		
	Additional Meeting: <i>for rehearsal to be ready for the upcoming defend</i>	Date: <i>List progress or problem here</i>		
Before Defense	Final Meeting: <i>In the final meeting, students must ensure that their report or slide presentation meets school requirements.</i>	Date: <i>List progress or problem here</i>		

*** NOTE:**

- *This timeline serves as a guidance for students regarding their meetings, but students may meet with their advisor more frequently if needed.*
- *Students must submit both the first and final drafts of their report for their advisor's review. The same submission process applies to the slide presentation.*
- *The submission deadline is subject to school instructions. Students must ensure all documents are carefully reviewed by advisors before submitting them to the school. Using e-signatures without the advisor's consent will result in a penalty.*
- *This form encourages students to take initiative and diligently polish and update their work. Any negative grades received due to lack of diligence are the student's responsibility.*