



# MANTIKA PROPOSAL

PROGBOOK

# INTRODUCTION

- Collaboration and knowledge exchange between students studying information technology (IT) is essential for both professional and personal development in the constantly evolving technological world of today. We are creating **ProgBook**, an online community specifically designed for Eastern Visayas State University IT students, after seeing the need for a specialized platform. With this innovative technology, students of all skill levels—beginners, intermediates, and professionals—will be able to collaborate more easily, share resources and ideas, and become more engaged. **ProgBook** will be a useful tool for students to improve their educational experience and keep up with the most recent developments in the IT industry by incorporating features like dashboards, community interactions, student registration, and access to trending technology news via APIs.



# PURPOSE

- The **ProgBook** system's objective is to develop an excelling virtual community that enables Eastern Visayas State University's IT students to interact, cooperate, and exchange knowledge. **ProgBook** seeks to improve the educational experience, encourage peer learning, and give students a feeling of community by offering a forum for debate, resource sharing, and real-time communication. Additionally, the system will act as a database of information regarding technological developments, enabling students to remain up to date on the most recent developments in the field.



# OBJECTIVES

- **Student Registration and User-page Dashboard:** To implement a user-friendly registration process that allows students to create profiles and access personalized dashboards for tracking their engagement and contributions.
- **Engagement :** To provide features that facilitate collaboration among students, including the ability to add new content/posts, engage in direct messaging, and collaborate on projects or discussions.
- **Community Features:** To foster a supportive community through features such as content ranking (upvotes/downvotes), discussion threads, comments, and notifications to keep students informed about relevant activities and updates.
- **Access to Trending Technology News:** To integrate an API that provides students with access to the latest technology news and trends.
- **Support Different Learning Levels:** To create an inclusive environment where students of all skill levels can share their knowledge, seek help, and contribute to discussions, enhancing their learning journey.



# SCOPE

The scope of the **ProgBook** system includes:

- **Target Audience:** IT students at Eastern Visayas State University.
- **Key Features:** Student registration, user-page dashboards, Messaging, community interaction features, and access to technology news.
- **User Roles:** Students will have the ability to register, create content, engage in discussions, and interact with other users.
- **Content Management:** The system will allow students to post content, rank contributions, and provide feedback through comments.
- **Technological Integration:** The use of APIs for fetching trending technology news to keep users updated.



# LIMITATIONS

While the **ProgBook** system aims to provide a comprehensive platform for IT students, certain limitations must be acknowledged:

- **User Base:** The platform is specifically designed for IT students at Eastern Visayas State University, limiting its reach to a broader audience.
- **Technical Limitations:** The effectiveness of the system may depend on the availability of internet access and technological infrastructure among students.
- **Moderation and Content Quality:** Ensuring the quality of content and discussions may require active moderation, which could be challenging with limited resources.
- **API Dependence:** The reliance on external APIs for technology news may lead to issues if the API service is disrupted or if there are changes in its availability.
- **Scalability:** As the user base grows, the system may need to be optimized to handle increased traffic and data storage, which could require additional development resources.

