DESIGN OF AN AUTOMATIC RETRACTABLE BRIDGE

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The project title was thought by us throughout many sessions of discussion among ourselves and our supervisor as well. Various titles have been submitted, and this is the project title that has been successfully approved by SOEAT.

The idea of the project title is to built a newly design bridge that would automatically retract to give way for the ship to passes. The bridge will have a portion of the bridge, which would be in the center of the bridge that would automatically retract once it gets signal from the ships which wish to passes through. The idea of retraction was to be creative and something new for a bridge design because a retractable bridge couldn't easily be found anywhere in the world.

The retractable part of the bridge would be design a mechanism that bale to support and maintain the balance and position of the retractable part. The mechanism would be design by a mechanical engineer which has the knowledge of the details of the mechanical part.

The bridge structure would be design by a civil engineer as it would require a stable and strong structure to maintain its balance and stable during retraction of the bridge. The material usage must be strong and do not has any vibration effect which would be dangerous if the bridge would be easily effected by the vibration of the water and the air.