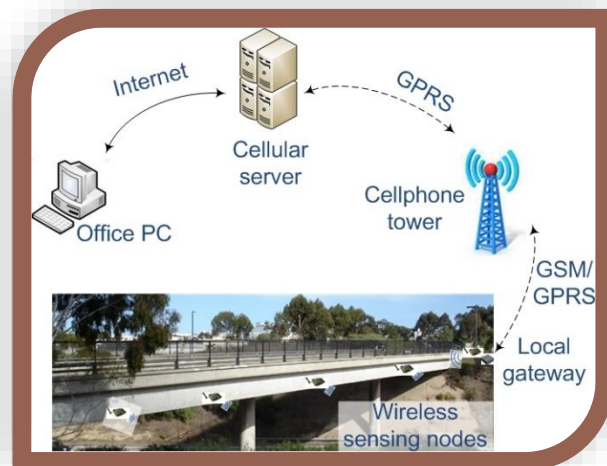



# Project: The structure health monitoring system (SHMS)



Advisor: NGUYEN XUAN SAM  
IoT Lab.  
Internet of Things Laboratory  
Faculty of Computer Engineering

## Executive Summary

vibration signals are collected and forwarded to the remote PC in real-time requirements.

	<p><b>Object targets:</b></p> <ul style="list-style-type: none"> <li>-provide vibration intensity of the steel bridge at remote hosts.</li> <li>-Improve requirements to monitor a bridge in real-time manner</li> <li>- improve energy saving for sensor networks</li> </ul>
	<p><b>Time schedule:</b></p>
	<p>Weeks 1-4: how the systems work</p>
	<p>Weeks 5-9: how to simulate the systems</p>
	<p>Weeks 10-14: how to add more sensing modules to the sensor nodes</p>
<p>Weeks 15-24: implementation</p>	
<p>Weeks 25-29: results</p>	
<p><b>Lessons Learned:</b></p> <ul style="list-style-type: none"> <li>-real-time monitoring systems</li> <li>-network simulation</li> <li>-vibration sensors</li> <li>-how to make a new protocol at MAC layer and routing layer</li> </ul>	

Contact me via samnx dot uit dot edu dot vn. Thanks!