

# GAYAN MADUSHAN KANDETHANTHRI

(กายน คานดิธันธิ)

MEng. BSc. A.M. ASCE, Civil Engineer



**Contact Information**  
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**Personal Details**  
**Address** 452/163 A2:  
Lumpini Park Nawamin - Si Burapha  
Nawamin Road, Khlong Kum Subdistrict, Bueng Kum District,  
Bangkok 10240  
**Date of Birth** December 17<sup>th</sup>, 1993  
**Nationality** Sri Lankan

<b>Highlights</b>	Project Planning and Scheduling; Project Finance; Contract Administration; Project Finance; Value Engineering; Project Management in Power Plant; Project Management in Commercial Projects.
<b>Education</b>	<p>(1) <b><u>Master of Engineering in Construction, Engineering and Infrastructure Management (MEng)</u></b> <i>Asian Institute of Technology Thailand (August 2017 to May 2019)</i> CGPA: 3.29</p> <p>(2) <b><u>Bachelor of Science in Civil and Infrastructure Engineering (BSc)</u></b> <i>Asian Institute of Technology Thailand (September 2013 to May 2017)</i> CGPA: 3.48</p>
<b>Training/Workshops</b>	<p>(1) <b><u>Intensive Course on Project Management Primavera P6</u></b> <i>Construction Industry Development Authority (<a href="http://www.cida.gov.lk">http://www.cida.gov.lk</a>) Sri Lanka (December 2018)</i></p> <p>(2) <b><u>Workshop on Prefabricated Modular Building</u></b> <i>Design and Construction- Structural Design Institute Sri Lanka (December 2018)</i></p> <p>(3) <b><u>Training for</u></b></p> <ul style="list-style-type: none"><li>• <i>STAAD Pro</i></li><li>• <i>ProStructure</i></li><li>• <i>MicroStation</i></li><li>• <i>OpenBuilding Designer (AECOSim)</i></li></ul> <p><i>Bentley Systems Singapore Pte. Ltd. Singapore July 2019</i></p>
<b>Professional Memberships</b>	<p><b>Construction Institute Membership American Society of Civil Engineering (ASCE)</b> <b>Membership Type:</b> <u>Associate Membership</u> Member Number: 000011885818</p>

<b>Computer Skills</b>	<p>Civil Engineering Software Programs</p> <table border="1" data-bbox="365 115 669 394"> <thead> <tr> <th colspan="2"><u>Structural Analysis Software</u></th> </tr> </thead> <tbody> <tr> <td>1. STAAD pro</td> <td>Expert</td> </tr> <tr> <td>2. Tekla Structures</td> <td>Expert</td> </tr> <tr> <td>3. RAM Connection</td> <td>Intermediate</td> </tr> <tr> <td>4. ETAB</td> <td>Intermediate</td> </tr> </tbody> </table> <table border="1" data-bbox="738 115 1058 340"> <thead> <tr> <th colspan="2"><u>Computer-Aided Software Engineering</u></th> </tr> </thead> <tbody> <tr> <td>1. AutoCAD 2018</td> <td>Expert</td> </tr> <tr> <td>2. Revit 2019</td> <td>Expert</td> </tr> <tr> <td>3. Navisworks</td> <td>Expert</td> </tr> <tr> <td>4. MicroStation</td> <td>Expert</td> </tr> <tr> <td>5. AECOSim</td> <td>Expert</td> </tr> </tbody> </table> <table border="1" data-bbox="1084 115 1526 256"> <thead> <tr> <th colspan="2"><u>Project Management Software(s)</u></th> </tr> </thead> <tbody> <tr> <td>1. Primavera P6 (18)</td> <td>Expert</td> </tr> <tr> <td>2. MS Project</td> <td>Expert</td> </tr> <tr> <td>3. ProjectWise</td> <td>Intermediate</td> </tr> </tbody> </table> <p><b>Statistics Software Programs</b></p> <table border="1" data-bbox="365 478 669 787"> <thead> <tr> <th colspan="2"><u>Statistic Software Programs</u></th> </tr> </thead> <tbody> <tr> <td>SPSS</td> <td>Expert</td> </tr> <tr> <td>Amos (Structural Equation modeling)</td> <td>Expert</td> </tr> <tr> <td>Matlab</td> <td>Intermediate</td> </tr> <tr> <td>Python</td> <td>Intermediate</td> </tr> </tbody> </table>	<u>Structural Analysis Software</u>		1. STAAD pro	Expert	2. Tekla Structures	Expert	3. RAM Connection	Intermediate	4. ETAB	Intermediate	<u>Computer-Aided Software Engineering</u>		1. AutoCAD 2018	Expert	2. Revit 2019	Expert	3. Navisworks	Expert	4. MicroStation	Expert	5. AECOSim	Expert	<u>Project Management Software(s)</u>		1. Primavera P6 (18)	Expert	2. MS Project	Expert	3. ProjectWise	Intermediate	<u>Statistic Software Programs</u>		SPSS	Expert	Amos (Structural Equation modeling)	Expert	Matlab	Intermediate	Python	Intermediate
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<b>Projects</b>	<p><b>Thesis topic for the master’s degree in engineering,</b>  <i>“Contract Administration Activities that enhance trust and cooperation between owners and contractors in construction projects in Sri Lanka”</i>  <b>Supervisor:</b> Prof. Bonaventura HW Hadikusumo</p> <p><b>Final year undergraduate capstone project topic,</b>  <i>“Factors affecting quality management system of building contractors and consultant firms in Sri Lanka.”</i>  <b>Supervisor:</b> Dr. Djoen San Santos</p> <p><b>Conference paper for the SAIMT research symposium:</b>  <i>“Historical Development of Arch Bridges in Sri Lanka”</i></p> <ul style="list-style-type: none"> <li>• Developed a <b>Safety Management System</b> for a construction project.</li> <li>• Made a complete <b>project planning schedule</b> by using MS Project for <b>Baan San Kram Project</b></li> <li>• Carried out a comprehensive <b>financial analysis</b> of the <b>La Paz Container Terminal (LPCT) project</b>.</li> <li>• Analyzed <b>Land and Houses Public Company Limited (LH)</b>’s annual report.</li> </ul>																																								
<b>Scholarships</b>	School of Engineering, AIT Fellowship (Thai Baht 384,000)-August 2017																																								
<b>Language Skills</b>	<p><b>English Language:</b> Full Professional Proficiency.  <b>TOEIC: Score 800</b>(Listening 440 Reading 360)  <b>Thai Language:</b> Working Proficiency.  <b>Spanish Language:</b> Limited Working Proficiency</p>																																								
<b>Co-curricular Activities</b>	<ul style="list-style-type: none"> <li>• <b>Basketball Captain</b> at AIT-SU Sri Lanka team in 2017.</li> <li>• <b>Basketball Captain</b> at AIT-SU International team in 2018.</li> <li>• Player at AIT-Rugby team.</li> <li>• Member of the <b>winning team at National Basketball Championship</b> under 15 and under 17 in Sri Lanka.</li> <li>• Was an active member of Student Union 2017 August Semester.</li> </ul>																																								
<b>Interests</b>	<ul style="list-style-type: none"> <li>• Passion in Teaching and sharing knowledge.</li> <li>• Believe in teamwork.</li> <li>• Enjoy in public speaking &amp; socializing internet surfing</li> <li>• Seeking opportunities for interaction with professionals and seniors in the industries.</li> <li>• Reading newspapers, biographies, and reports related to physiological.</li> </ul>																																								

## PROFESSIONAL EXPERIENCE

<b>June 2019 – present</b>	<b>REI Software Co., Ltd.</b>
<b>Position</b>	<b>Application Engineer (Civil &amp; BIM)</b>
<b>Achievements/Tasks</b>	<ul style="list-style-type: none"><li>• Conducting workshops for MicroStation, AecoSim, and BIM.</li><li>• <b>Coordinating with customers (construction companies)</b> to design and provide upgrade to systems.</li><li>• Preparing various drawings with the help of AutoCAD, Revit, Tekla.</li><li>• Administering engineering activities of projects right from conceptualization to implementation.</li><li>• Monitoring existing systems and recommending improvements by integrating new technologies.</li><li>• Maintain expert level of product (<b>MicroStation, OpenBuilding deigner and STAAD Pro</b>) knowledge and application.</li><li>• Perform technical training for civil engineers, architectures and CAD managers.</li><li>• Resolve customer issues or difficulties in a manner that is consistent with the company mission, values, and financial objectives.</li></ul>
<b>May 2015 – August 2015</b>	<b>CML-MTD Construction Ltd., Colombo 05, Sri Lanka</b> <a href="http://www.cmlmtd.net/">http://www.cmlmtd.net/</a>
<b>Position</b>	<b>Civil Engineer Trainee</b>
<b>Project</b>	<b>Urban Development Building Project-Aluthmawatha, Sri Lanka</b>
<b>Achievements/Tasks</b>	<ul style="list-style-type: none"><li>• Had the opportunity to acquire specialized training to fix <b>MIVAN formwork</b> and to supervise MIVAN formwork in the project.</li><li>• Supervised foundation work from pilling work to concreting work and had the opportunity to <b>inspect 121 End bearing piles</b>.</li><li>• <b>Prepared Civil Engineer Trainee daily/weekly/monthly progress reports</b> thereby had the opportunity to be aware of the overall work at the site.</li><li>• I was delegated and responsible to <b>prepare reinforcement bar quantity and schedule</b>.</li></ul>
<b>May 2016-August 2016</b>	<b>Access Engineering PLC, Colombo 05, Sri Lanka</b> <a href="http://www.accessengsl.com/">http://www.accessengsl.com/</a>
<b>Position</b>	<b>Civil Engineer Trainee</b>
<b>Project</b>	<b>Colombo-Kandy Rehabilitation and improvement road project In Sri Lank</b>
<b>Achievements/Tasks</b>	<ul style="list-style-type: none"><li>• The company offered me a <b>special training in an asphalt plant</b>, and within that period I designed asphalt design for highway project constructed by the company.</li><li>• Had an opportunity to <b>develop a schedule for a bridge renovation using MS project</b>.</li><li>• Worked as a supervisor for asphalt laying, drains construction and subbase excavation and preparing.</li></ul>

## REFERENCE

### **Prof. BHW Hadikusumo, (Thesis Advisor)**

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Construction Engineering and Infrastructure Management  
Asian Institute of Technology  
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### **Sadun Walisundara (AIT Senior)**

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