

# CURRICULUM VITAE

## Ratha MUON

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Khan Sen Sok, Phnom Penh



## Personal Profile

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Marital Status	Single
Date of Birth	7 <sup>th</sup> May 1991
Place of Birth	Khob Village, Roka Thom Commune, Chhba Morn District Kampong Speu Province, Cambodia

## Educations

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2019-Present	PhD student, Cotuelle program, Sorbonne Université and Institut de Technologies du Cambodge
Jan. 2018-Jul 2018	Exchange studied, Faculty of Science and Technology, Norwegian University of Life Science (NMBU), Norway
2017-2018	Studied for Master Degree of Environmental and Water Resource Engineering, Faculty of Civil Engineering, University of Peradeniya, Sri Lanka
July 2016	Completed Bachelor's degree of Water Resource Engineering, Department of Rural Engineering, Institute of Technology of Cambodia (ITC)
2013 - 2016	Student of Department of Rural Engineering, Institute of Technology of Cambodia (ITC)

2011 - 2013	Foundation studied, Institute of Technology of Cambodia (ITC)
2008 - 2011	Successfully graduated Bac II, Kampong Speu province, Kampong Speu High School
2003 - 2006	Completed Diploma (grade 9 <sup>th</sup> ), Chhay Chhob Secondary School, Kampong Speu province

## **Experiences**

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### **Local experiences:**

Sept. 2016-Jan. 2017

#### **Key Consultants Cambodia (KCC)**

Trainee engineer

- CAD operator: responsible for drawing hydraulic structure

July 2015 to July 2016

#### **Department of Rural Engineering, Institute of Technology of Cambodia, Phnom Penh**

Research Assistant, had conducted the research on water management for irrigation. Task works:

- Designed drip irrigation system for commercial scale
- Estimated crop water requirement (Maize)
- Conducted the soil experiment and analyzed soil data, specifically for irrigation such as soil infiltration rate, soil hydraulic conductivity, available soil moisture capacity and soil texture classification.
- Reference: Dr. KET Pinnara, Lecturer and researcher of Institute of Technology of Cambodia
- E-mail address: [kett.pinnara@gmail.com](mailto:kett.pinnara@gmail.com)

July to September 2014

#### **ONTARACHET Co.,Ltd, Phnom Penh, Cambodia**

Internship on Structural Works

- Assistant engineer: to assist senior engineers who had worked as a site engineer in building construction.

- Reference: Ms. Leakhena Hang, Lecturer at  
Institute of Technology of Cambodia
- E-mail address: [Leakhena\\_hang@yahoo.com](mailto:Leakhena_hang@yahoo.com)

**Exchange and study broad:**

Master studied

**University of Peradeniya, faculty of engineering, Sri Lanka**

Research Topic: Modelling of storm water network in a part of Phnom Penh City, Cambodia for performance improvement

- Estimate high intensity rainfall for current and future scenarios
- Simulate and propose the system for each scenario
- Estimate and compare the construction cost for each proposed system
- Reference: Prof. S. B. Weerakoon, Professor in Civil Engineering, University of Peradeniya
- Email: [sbweera@gmail.com](mailto:sbweera@gmail.com)

Exchange studied

**Norwegian University of Life Science (NMBU), Norway**

Research topic: Water quality monitoring and modeling in wastewater networks

- Measure water quality using online sensors and manual analysis using automatic samplers
- Develop and validate virtual sensors
- Estimate pollution loads using virtual sensors and overflow estimates
- Reference: Prof. Harsha Ratnaweera, Professor and
- Email: [harsha.ratnaweera@nmbu.no](mailto:harsha.ratnaweera@nmbu.no)

## Training Courses

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February 2015	Short course on Planning, Design and Applications of Pumping by EBARA CORPORATION
December 2015	Short course on Water Induced Disaster Assessment provided by the professor from the National University of Singapore (NUS)
17 <sup>th</sup> -24 <sup>th</sup> Jun 2018	7 <sup>th</sup> International Summer School on Water Management in Cold Climate at the North Arctic region, Svalbard, Norway

## Scholarships

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2011-2016	ADB Scholarship for Bachelor's degree, Institute of Technology of Cambodia (ITC)
2017-2018	WaSo Scholarship for Master Degree, University of Peradeniya, Sri Lanka
January 2018-July 2018	WaSo Scholarship for exchange study, Norwegian University of Life Science (NMBU), Norway.

## Computer Skills

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|-------------------------|----------------------------|
| ○ Microsoft Office      | Word, Excel, PowerPoint    |
| ○ Application Softwares | CropWat, ArcGIS, EPA SWMM, |
| ○ Others                | Internet and E-mail        |

## Languages

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|-----------|--|
| ○ Khmer   | Native   |
| ○ English | IELTS : 5.5; Examed on 27 Aug 2016               |
| ○ French  | Fair in speaking, reading, listening and writing |

## Interested

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Reading:

- Research article: Soil biology, Soil science, Water management

Entertainment:

- Music and travelling

## References

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### **Dr. Sarann LY**

Position: Head of Department of Rural Engineering, Institute of Technology of Cambodia (ITC)

E-mail address: [ly.sarann@gmail.com](mailto:ly.sarann@gmail.com)

### **Dr. Pinnara KET**

Position Lecturer and researcher of Institute of Technology of Cambodia

E-mail address: [ket.pinnara@gmail.com](mailto:ket.pinnara@gmail.com)

Tel: (+855) 78 900 477

### **Dr. Sokchhay HENG**

Position: Lecturer and Researcher, and WaSo Scholarship Coordinator, Institute of Technology of Cambodia

E-mail address: [heng\\_sokchhay@yahoo.com](mailto:heng_sokchhay@yahoo.com)

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