



VANNY DOEM

#41D, Trapang Chhouk, Teuk Thlar, Sen Sok, Phnom Penh, Cambodia, 12102

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EDUCATION

BSc of Mathematics

2013-2017

Royal University of Phnom Penh, Cambodia

MSc of Mathematics

Indian Institute of Technology (IIT) Jodhpur, India

2018-2020

RESEARCH INTEREST

Geometry and Topology,

Thesis: "Some Fundamental Results and Their Applications in Algebraic Topology."

Current Reading: Smooth Manifolds

RESEARCH EXPERIENCE

Topology

- One-year MSc Thesis Work on Algebraic Topology at IIT Jodhpur, 2019-2020
- Research Project Work on Differential Topology at IIT Delhi, After MSc Graduation.
- Winter Research Internship on Algebraic Topology at IIT Delhi, December-January 2019
- Summer Research Internship on Algebraic Topology at IIT Patna, May-July 2019

WORKSHOPS

- Symplectic Topology, Contact Topology and Interactions, IHP, Paris, France, Incoming Date
- Algebraic Methods in Topology, San Salvador, El Salvador, 7th -18th December 2020
- Infinity Categories and Their Applications, Bonn University, Germany, 17th – 20th August 2020
- Global Homotopy Theory, IIT Bombay, India, 10th-14th February 2020
- Applied Mathematics, Chiang Mai University, Thailand, 8th -16th March 2018

TEACHING AND MENTORING EXPERIENCE

Mathematics Lecturer **2013-2018**

Itutor Company, Mathematics and Computer School

- Had taught students in both national and international programs
- Be responsible for training high school students to get success in their national exam

Mathematical Association of Cambodia **June 2020 till date**

- Lecturing Calculus, Real Analysis, and Topology

Institute of Technology of Cambodia **22.02.2021 till date**

- Lecturing Calculus, Linear Algebra, and Ordinary Differential Equations

HONORS AND AWARDS

Fully Funded ICCR Scholarship **2018-2020**

- MSc of Mathematics at Indian Institute of Technology, Jodhpur

Kizuna Fund, Japanese Scholarship **November 2015-June 2018**

- Monthly salary supported by Japanese government for top 10 GPA university students

D.K.KIM Scholarship, USA Fund **2015-2016**

- BSc School fees

LANGUAGE

- English: Qualified for IELTS
- French: Very little (In learning process)
- Khmer: Mother tongue

REFERENCES

- **Biplab Basak**, Assistant Professor

Indian Institute of Technology Delhi, India

(+91) 99807 40884, biplab@iitd.ac.in

- **Lin Monkulsery**, Assistant Professor

Institute of Technology of Cambodia

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