

Expression of Interest (EOI) for Master of Research (STEM)

Full Name:

Rasila Gautam

Nationality/Cultural Details:

Nepali

Email:

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Optional information's such as LinkedIn and other links:

<https://www.linkedin.com/in/rasilagautam123/>**1. Education and Awards**

Degree	Institution/Country	Year Graduated Thesis title (if relevant)
School Leaving Certificate (SLC)	Government of Nepal	2012
Higher Secondary	Higher Secondary Education Board	2014
Bachelor's Degree in Environmental Science	Tri-Chandra Multiple Campus, Tribhuvan University	2018 (Assessment of Water Quality of Bagmati River by the Application of Canadian Water Quality Index along Kathmandu Valley)
Master's Degree in Environmental Science	College of Applied Sciences-Nepal, Tribhuvan University	2024 (Impact of climatic variables on crop production and the role of environmental factors in Janaki Rural Municipality, Banke, Nepal)

2. Please nominate categories (research clusters, nominate additional)*

SCIENCE	Yes	TECHNOLOGY	Yes	ENGINEERING	Yes	MATHS	Yes	STEM (Education)	Y
Agriculture	Yes	Data Analytics	Yes	Sustainable/ Environmental	Yes	Spatial Reasoning	Yes	Teacher+ student relationships	Y
Biology	Yes	Big Data	Yes	Computing		Inquiry		Gender	
Enviro/Geo	Yes	Cloud		Complex Systems	Yes			Integrating STEM	Y
Microbiology		Robotics		Software				Education	Y
		Artificial Intelligence	Yes					Inquiry	
		Information Systems	Yes					Design Think	Y
								Design Skills	Y
Other (Specify) Climate change		Other (Specify)		Other (Specify)		Other (Specify) Statistics		Other (Specify) Knowledge Transfer Policy Framework	

3. Proposed Project

a.) Research Project Objectives (no more than 3)

Example:

Successful active citizenship in the 21st century requires future driven researchers in STEM and STEM Education. Opportunities through education linked with research, and industry is a vision for most nations and integrated tools through STEM contribute as a way forward. This project aims to use technology and engineering (design think) to overcome geographical barriers in remote areas through Virtual Reality supporting students to succeed academically in school.

- 1.
- 2.
- 3.

b.) Research Thesis Vision

(In less than 500 words, include a link with Education as underpinned by academic references). A thesis vision is how did you arrive at the topic, an overview of the over arching topic and field.

c.) Abstract

(Abstract in less than 350 words, including link with Education and possibly methodology, link with STEM). An abstract includes a summary to prepare reviewers/readers to follow the research plan such as arguments for purpose of proposed research vision. This includes context, specific topic, central question/s, any known previous research, and possible implications.

d.) Additional Information (Optional)

Skills

Academic	Industry	Education	Other

*If your research objective/scope cannot be accommodated by Excelsia College, would you be open to changing your proposed project? **YES/NO (circle)** YES