

## Application for Curriculum Developer & Teacher Educator – Manal Ghani

Dear Hiring Committee,

I am writing to express my enthusiastic interest in the Curriculum Developer & Teacher Educator position at Northwestern University's Center for Connected Learning (CCL) and the NetLogo Center.

With over 20 years of international educational experience bridging systemic curriculum architecture, educational technology integration, and faculty professional development, I am eager to contribute to your dynamic team and help scale the impact of NetLogo.

Throughout my career, I have operated at the intersection of scientific pedagogy and instructional design. In my current role as an IB MYP/DP Science and Biology/Chemistry educator, I spearheaded the vertical and horizontal alignment of complex science curricula across both international frameworks and state standards. This experience directly matches your need for an educator who can systematically compile, polish, and optimize decades of NetLogo-based research curricula into highly structured, accessible, and searchable formats for middle and high schools.

What truly excites me about this role is the opportunity to lead innovative teacher education workshops. I believe that powerful educational technology is only as effective as the professional development supporting it. I have a proven track record of transforming how teachers interact with technology:

- While working alongside STEM education suppliers, I developed and implemented specialized courses specifically designed to guide school faculty and students on new ICT laboratory techniques and experimental software (ExAO).
- I have successfully led digital transitions within schools, integrating complex scientific software into core curricula and serving as a digital grading expert for official international frameworks.
- Multilingual & Diverse Outreach, having designed inclusive instructional systems for multicultural and multilingual environments, I possess the strong communication and interpersonal skills required to conduct effective school outreach and recruit diverse cohorts of educators to your training programs.

My unique background—combining a Professional Master's in Education focused on lab performance—ensures that I can manage personnel logistics, scale operations, and collaborate effectively with your team of researchers and software developers.

My CV is attached for your review. I look forward to the possibility of discussing how my background in STEM curriculum design and teacher training can serve the Center for Connected Learning. Thank you for your time and consideration.

Sincerely,

Manal Ghani

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