

NISCHAL REGMI

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PROFESSIONAL EXPERIENCE

Faculty Associate

Southasia Institute for History and Philosophy — July 2025

- Involved in research, teaching, curriculum development, and other core academic activities as a full-time faculty
- Taught the immersion course on “Economics and its Alternative” as a part of the program “A Course on New Humanities” offered by SiHP (2 June – 7 July 2025)

Associate Professor

Everest Engineering College — Sep 2021 – June 2025

- Lead the Department of Computer and IT Engineering as the head from Dec 2023 – Nov 2023
- Coordinated final-year student projects to align with industry needs and academic standards.
- Taught data mining and image processing courses, integrating practical applications into pedagogy.

Consulting Researcher

IICT-UTPL-RIMC JV — Mar 2023 – May 2023

- Led field studies across four municipalities, assessing ICT infrastructure and proposing integrated software system models.
- Conducted stakeholder surveys and produced actionable reports on information system needs.

Researcher

Martin Chautari — Apr 2016 – Jan 2020

- Authored book chapters and journal articles on digital policy and ICT development, funded by the Ford Foundation and FHI 360.
- Led data collection and analysis for universal connectivity projects in rural Nepal.
- Supervised field teams and managed multi-site research activities.

Technological Researcher

Martin Chautari — Aug 2015 – Apr 2016

- Analyzed internet service quality in project areas, presenting findings to stakeholders.

Faculty and Research Coordinator

Multiple Institutions (Nepal Engineering College, Acme Engineering College, Madan Bhandari Memorial College) — 2008 – 2014

- Designed and implemented curricula for computer science and IT programs.
- Coordinated thesis topics, supervised projects, and organized defenses.

PUBLICATIONS

Research Papers

Danuwar, K. R., Bhomjan, M., Maharjan, J., Regmi, N. (2025). A Classification Analysis-based Approach to Internet Adoption in Nepal. 3rd International Conference on Intelligent Systems, Advanced Computing and Communication (ISACC) (pp. 582-588). IEEE. DOI: <https://doi.org/10.1109/ISACC65211.2025.10969200>

Regmi, N. (2023). A Random Forest Based Analysis of Household Survey Data to Infer Insights on Digital Inequality. Iran Journal of Computer Science. DOI: <https://doi.org/10.1007/s42044-023-00143-y>

Pandey, S. B., and Regmi, N. (2020). If You Build It, Will They Come? Exploring Narratives that Shape the Internet in Nepal. Science, Technology, and Society 25(3). DOI: <https://doi.org/10.1177/0971721820912922>

Pandey, S. B., and Regmi, N., 2018 *Changing Connectivities and Renewed Priorities: Status and Challenges Facing Nepali Internet*. First Monday 23(1). DOI: <https://dx.doi.org/10.5210/fm.v23i1.8071>

Regmi, N., 2017. *Expectations versus Reality - A Case of Internet in Nepal*. EJISDC, 82(7), 1-20. DOI: <https://doi.org/10.1002/j.1681-4835.2017.tb00607.x>

Regmi, N., and Pandey, S. B., 2015. *A Regression Analysis into Nepali ICT's Energy Consumption and its Implications*. Proceedings of the 9th International Conference on Software, Knowledge, Information Management and Applications (SKIMA). IEEE. DOI: <https://doi.org/10.1109/SKIMA.2015.7400034>

Book Chapters

Regmi, N., and Pandey, S.B. (2024). Evolution of Nepal's ICT Policies: In the Lens of Document Analysis. In *Digital Governance and Digital Politics in South Asia* (Eds.). Bloomsbury.

Regmi, N., and Pandey, S.B. 2020. *nagarik samaj sansthaka dirghakalin twitter prayog* (Long- Term Use of Twitter by Civil Society Organizations) (Article in Nepali). Appears in a

peer- reviewed book loktantrama nagarik samaj: 25 varshako samiksha (Civil Society and Democracy in Nepal - a 25 years' review). Martin Chautari.

Unpublished Pre-prints

Regmi, N., and Pandey, S.B. 2020. Examining Nonprofit Organization's Long Term Use of Twitter. DOI: <https://doi.org/10.21203/rs.3.rs-1735087/v1>

Thesis

Regmi, N. 2006. *Evaluating Heuristic Solutions for NP-Hard Single Machine Scheduling Problems*. Masters Thesis. Central Department of Computer Science and IT, Tribhuvan University.

Research Briefs, Reports & Op-Eds

ICT sewa niryatko hohalla le chhopenko sthaniya digitiation [Local 'digitization' overshadowed by rumors of IT service exports], Himal Khabar, 2 September 2024. Oped co-authored with Birodh Rijal.

engineering ko license parikshyale ubjayeka prashna [The issues raised by the provision of engineering license exam], Himal Khabar, 2, April, 2023. Oped co-authored with Birodh Rijal.

The Quality Bottleneck. Martin Chautari Research Brief 19. 2016.

Gunastariya internet ka tagara. [The obstacles to quality internet] Martin Chautari Research Brief 19, Nepali version. 2016

Avasar ko rooop ma mobile Internet [Mobile Internet as an Opportunity]. Martin Chautari Research Brief 18, Nepali version. 2016. [Nepali translation only.]

"The Efficiency Dilemma", The Kathmandu Post, 11 September 2015, pp.7

"Daurale internet chaldaina" [The Internet infrastructure cannot run on firewood], Nagarik Daily, 8 September 2015, pp.7 [in Nepali]. Oped.

Research Briefs, Reports & Op-Eds

Pandey S.B., and Regmi, N. 2017. Writings on ICT and Related Infrastructures: a Bibliography. *Martin Chautari*

EDUCATION

- Tribhuvan University — Masters in Computer Science and Information Technology (M.Sc. CSIT), 2006
- Pokhara University — Bachelor in Computer Engineering, 2003

CONFERENCES

- Digital Governance & Digital Politics in South Asia (2022): Presented 'Explaining the Evolution of Nepal's ICT Policies Through Document Analysis.'

- 4S Sydney (2018): Presented 'Exploring National Policy, Practice and Global Narratives that Shape the Internet in Nepal.'
- The Fourth Annual Conference on Nepal and Himalaya (2015): Presented 'An Insight into ICT's Energy Consumption and its Implications.'
- Chautari Annual Conference (2019): Presented 'On Affordability and Digital Skills: Reflections from Benchmarking Field Surveys'
- SKIMA (IEEE) (2015): Presented 'A Regression Analysis into Nepali ICT's Energy Consumption and its Implications.'

ADDITIONAL INFORMATION

- Fluent in English, Nepali (mother tongue), and Hindi.