CURRICULUM VITAE – AMAN SHAKYA

Name: Dr. Aman SHAKYA

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Date of Birth: 10 September, 1981   **Nationality:** Nepali

Education:

Degree/certificate or other specialized education obtained	School, College and/or University Attended	Date Obtained
Doctor of Philosophy	National Institute of Informatics (NII) Department of Informatics of The Graduate University for Advanced Studies (SOKENDAI) Tokyo, Japan	2009
Masters of Engineering in ICT (Information and Communication Technologies)	Asian Institute of Technology (AIT) Pathumthani, Thailand	2006
Bachelors in Computer Engineering	Tribhuvan University, Institute of Engineering (IOE) Pulchowk Campus Kathmandu, Nepal	2003
Proficiency Certificate Level	St. Xavier's Campus, Thapathali, Kathmandu, Nepal	1999
S.L.C.	Saraswati Boarding High School, Chhetrapati, Kathmandu, Nepal	1997

Employment Record:

From: 2011   To: present

Employer: Institute of Engineering (IOE), Pulchowk Campus, Tribhuvan University

Positions held: Assistant Professor (2011 – present)

Vice-Chairman, Laboratory for ICT Research and Development – LICT, ICTC, IOE (2021 - present)

Program Coordinator, M.Sc in Computer Systems and Knowledge Engineering (2016 – 2020)

Deputy Head of Department, Department of Electronics and Computer Engineering (2012-2014)

From: 2009	To: 2011
Employer:	Institute of Engineering (IOE), Pulchowk Campus, Tribhuvan University
Positions held:	Part-time faculty

From: 2003	To: 2004
Employer:	Yomari Incorporated Pvt. Ltd
Positions held:	Software Developer

Academic and Research Areas:

- Research areas – Semantic Web technologies, Social Computing and Web 2.0, Natural Language Processing, Linked Open Data, Interoperability and data integration
- Delivered courses on Natural Language Processing, Social Computing, Information Visualization, Knowledge engineering, Semantic Web Technologies, Software Engineering, Database Management Systems, Web technologies, Enterprise application design and development, XML, theory of computation, etc. at Institute of Engineering, Tribhuvan University
- List of Publications available at https://sites.google.com/ioe.edu.np/amanshakya/

Research and Development Projects:

- Jun 2022: [Organizing Committee Member]. **openIMIS-DRG Datathon** organized by Center for Applied Research and Development (CARD), IOE in collaboration with Asia eHealth Information Network (AeHIN)
- Aug 2020: [ICT Expert]. Team member in the project **"Elective course Development: Health Informatics"** conducted by Information & Communication Technology Centre (ICTC, IOE) supported by GIZ.
- 3 Feb 2019 – 22 August 2023: [Co-Investigator]. **UGC Collaborative Research Grant** on the research project **"Establishment of a disaster telecommunications research and educational facility advancing a scientifically sound disaster telecommunication infrastructure and processes in Nepal"**
- Sep 2021 – Ongoing: [Coordinator]. **TU Online Presence Reform Project (TU-OPRP) for Integrated Web Development of Tribhuvan University and all its Bodies.**
- 25 Jan 2021- 26 Jun 2022: [Co-Investigator]. Research Project awarded by Nepal Telecommunications Authority (NTA) to **Assess and Examine the interference due to frequency allocation for new technologies such as 5G and Short-Range Devices (SRDs) – 5GSRD.**

- 2. Feb. 2020 to Aug. 2020: [Research Member]. **Development of Smart Irrigation System for: Optimization of Water Use and Increasing Crop Yield (SISO-WAY)**, an agricultural automation project conducted of Nepal Government Ministry of Water Resources.
- Jan 2022 – ongoing: [Supervisor]: Research projects with NSD-AI of NSDevil CO.,Ltd., South Korea.

Other Experiences at the Institute of Engineering (IOE)

- Inspection of Delivered Items for the Intranet, Internet and Wireless Network Project of the Information & Communication Technology Center Tribhuvan University (August-November 2018)
- Technical Committee member of the IT unit for the development and operation of Computerized Entrance Examination System at the Institute of Engineering, TU, Nepal (2013-2016)
- Database administrator for Computerized Entrance Examination of IOE (2017-2018)
- System/network administrator for Computerized Entrance Examination of IOE (2015)
- Chief operating officer for Computerized Entrance Examination System of IOE (2016)
- Member of the Unified admission monitoring committee for BE/BArch admissions of IOE (2016-2018)
- Member of Admission software development committee of IOE (2017)
- Supervisor in R&D projects with E&T Pvt. Ltd., Nepal (2013-2014)
- Program coordinator, Biomedical equipment maintenance training program, IOE, (2013)
- Member in subject committee for Computer Engineering of Institute of Engineering, Tribhuvan University, Pokhara University and Higher secondary education council for curriculum development

Membership in Professional Societies:
- *Nepal Engineer's Association*
- *Nepal Engineering Council*
- *AIT Alumni Association*

Trainings:

- Erasmus+ project ICT-INOV: Modernizing ICT Education for Harvesting Innovation Instructor Training Event Hanoi, June 27 – July 1, 2022
- Training program of the project for "Establishment of the ICT center to enhance ICT capabilities in Nepal" (27th Aug – 17th Sep 2012) – KOICA and Dongbu CNI, Republic of Korea

- Training program for "Establishment of Technology and Innovation Support Center (TISC)" (15-16 Sep 2013) – World Intellectual Property Organization (WIPO) and Dept. of Industry, Government of Nepal

Computer Skills:

- NLP, XML technologies, web services, Semantic Web technologies and interoperability
- Java, PHP, C, C++, JSP, JavaScript, Cold Fusion, SQL, SPARQL etc.
- Web application frameworks and Content Management Systems in Java and PHP