Curriculum Vitae

Jargalsaikhan Alimaa

PERSONAL INFORMATION

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EDUCATION

Mongolian University of Science and Technology   Ulaanbaatar, Mongolia

Ph.D. in Education Mongolian University Science and Technology   2013

Mongolian University of Science and Technology   Ulaanbaatar, Mongolia

M.S. in Mining Management Information System   1998

B.S. in Engineer of System and Technique   1992

EMPLOYMENT

2019- Associate professor, SICT of Mongolian University of Science and Technology

2015-2019 Associate professor, e-Open institute of Mongolian University of Science and Technology

2010-2014 Senior Lecturer, Mongolian University of Science and Technology, Mongolia

2008–2010 Head of the ICT Teaching Learning Centre, Mongolian University of Science and Technology, Mongolia

2005–2008 Senior Lecturer, Mining Engineering School of Mongolian University of Science and Technology

1995–2004 Lecturer, Mining Engineering School of Mongolian University of Science and Technology

1993–1995 Assistant Lecturer, Mining Engineering School of Mongolian University of Science and Technology

GRANTS AND AWARDS

Best Research Paper Awards of MUST, 2012

"Top Teacher" Awards of MUST, 2014 and 2011

RESEARCH INTEREST

- Data mining and Smart city
- Educational Data Mining
- Distance and new technology-based learning

- Content development of Distance learning

RESEARCH EXPERIENCE

Name of assignment:	Enhancement the general computer skills using television channel project
Year:	March 2008 – March 2009
Location(s):	Mongolia
Client:	UNESCO
Position(s) held:	Author and Education Specialist
Activities performed:	Duties include: • Develop scenario step by step for Television's lesson. We have developed 13 tele-lessons. • Develop guidance for Computer skills instruction. • Teach the Microsoft office program for viewer ships.
Name of assignment:	Enhancing IT teacher's professional skills project
Year:	December 2009 – May 2010
Location(s):	Mongolia
Client:	Ministry of Education, Culture and Science
Main project features:	Enhancing IT teacher professional development through the program and Programming study
Position(s) held:	Coordinator
Activities performed:	- Organize workshop for IT teachers of Mongolian Public and Private Universities and Institutes - Develop curriculum for teacher's IT professional skill - Organize training for IT teachers on how to develop and implement the e-learning
Name of assignment:	Develop e-learning content
Year:	Jun 2008-September 2009, Jun 2010-September 2010
Location(s):	Mongolia
Client:	Branch schools of MUST
Main project features:	Develop a-lesson content using Macromedia Flash for e-learning environment
Position(s) held:	Coordinator
Activities performed:	- To assign duties to all multimedia designers for corrected functions. - Advise to multimedia designer for content development - Assess design develop content - We have developed 60 e-lessons for e-learning environment.
Name of assignment:	Supporting Government Efforts to Better Protect the Poor
Year:	Apr 2013 - December 2013
Location(s):	Mongolia
Client:	MPDSP
Main project features:	Develop system analyze design for Web based online "Welfare Administration Information System"
Position(s) held:	National consultant
Activities performed:	- A general unique database will be created at the social welfare agencies which enable to aggregate data, carry out analysis and generate reports, etc using internet connections. - Web based software will allow data registration stability at soum level and smooth transmissions from primary units to headquarter and vice versa. - Web based software will allow various surveys, data and report generating and balance sheets.
Name of assignment:	Development of Online content for sustainable development education

Year:	Oct 2016 - December 2016
Location(s):	Mongolia
Client:	MPDSP
Main project features:	Develop online and offline learning portal on Sustainable
Position(s) held:	National consultant
Activities performed:	To create online and offline learning portal for public open education about sustainable development: For example: Waste management and green energy. Trainers will use these e-contents for their training courses in outside of capital cities.
Name of assignment:	Development of a web-based database system for Petroleum.
Year:	2019
Location(s):	Mongolia
Client:	Ministry of Mining and heavy industry
Main project features:	Develop a Web-based database system for Petroleum
Position(s) held:	Consultant
Activities performed:	The project has developed a web-based system to integrate demand, supply, distribution, inventory, and inventory of petroleum products nationwide, and to provide open information to governmental and non-governmental organizations and citizens.

TEACHING EXPERIENCE

- Software Engineering Process, Introduction to Profession, Introduction to Programming, Research seminar, Doctoral Research experiment, Content development for e-learning, Learning technology, Computer -Aided drawing, GIS, Fundamentals of Algorithm and programming

SHORT-TERM TRAINING EXPERIENCE

- Expert of National Council for Educational Accreditation, February 2024

- "ISO/IEC 27001:2022 ISMS-Internal Auditor" Certification, January 2024

- Initial and Continuous Qualification of TVET Personnel, Formats and Models in Germany, November 2022, Hannover, Magdeburg and Dresden Germany.

- Workshop WP3.2 "PC teachers' training abroad" for project SMARTCITY: Innovative Approach Towards a Master Program on Smart Cities Technologies held in Chemnitz ONLINE, 19 – 23 April, 2021.

- Smart City project, 25 May -11 June 2019 in Greece and Bulgaria.

- Summer workshop, 13 July – 18 July 2013 in Chemnitz, Germany.

- Expert of New Learning Technology Certification, November 2009, Germany.

- Blended Learning program for Education Specialist and Training Experts from Asia, eLearning Development and Implementation Certification, May-November 2009, Philippines.

- Seminar on Modern Distance Education Certification, 20 May -12 June 2008, China.

- Completed Doctoral degree training of Mongolian University of Science and Technology, Mongolia, 2008.

- Training program for Fundamental Information Technology Engineer, 2006, Ulaanbaatar, Mongolia

- Opensource Software Application Course Certification, 31 January – 18 March 2006, Tokyo, Japan

- Cisco Network Academy, Mongolian Local Academy, 2006

SUMMARY

- Ability to work independently as well as in a team with others.

- 31 years of experience in teaching and transfer knowledge, expertise, and methodologies by providing technical assistance and mentorship to graduate students and postdoctoral researchers.
- Computer skills: Windows, C/C++, AutoCAD, MS Office etc.

PUBLICATION

Scientific publication:

1. Alimaa Jargalsaikhan, Uranchimeg Tudevdagva : SELF-ASSESSMENT OF E-LEARNING STUDENTS USING A STRUCTURING-BASED ASSESSMENT METHODOLOGY, УСТОЙЧИВОЕ РАЗВИТИЕ ТЕРРИТОРИЙ: ТЕОРИЯ И ПРАКТИКА/ III Международной научно-практической конференции (19-21 мая 2022 года) г. Сибай, БАШКИРСКИЙ ГОСУДАРСТВЕННЫЙ УНИВЕРСИТЕТ/ISBN 978-5-6048609-0-8, p-191-195.

2. Alimaa Jargalsaikhan : "Use of chatbots in higher educational", TRENDS OF MODERN EDUCATION, VIII Conference proceeding, (2021),School of Technology Darkhan of MUST.

3. Alimaa Jargalsaikhan, Uranchimeg Tudevdagva : "E-learning Self-assessment using the structure-oriented assessment methodology*",* "Proceedings of IBS International Symposium on Computer Science, Computer Engineering and Educational Technology-2020" ISBN 978-3-95908-233-4, p-7-18.

4. Alimaa Jargalsaikhan : "*E-learning activities*", **CHALLENGES IN ENGINEERING AND TECHNOLOGICAL EDUCATION-V**, Conference proceeding, (2019),School of Technology Darkhan of MUST.

5. Alimaa Jargalsaikhan : "*Determining a student's learning style through a VARK questionnaire*", **CHALLENGES IN ENGINEERING AND TECHNOLOGICAL EDUCATION-V**, Conference proceeding, (2019),School of Technology Darkhan of MUST.

6. Alimaa Jargalsaikhan: A study of the use of data mining in online learning, Information & Media Technology IMT-2018.

7. Oyuntsetseg Dash, Zolzaya Lkhamsuren, Alimaa Jargalsaikhan: Modeling of terminology database in field of Geodesy and Geographical Information system, FOSS4G Seoul 2015, Free and Opensource Software for Geospatial Conference Proceedings, p 409-418

8. Baigaltugs Sanjaa, Munkhchimeg Baatar, Alimaa Jargalsaikhan: Challenges of Mongolian e-learning and an improvement method of implementation, Proceedings of IADIS International Conference on e-Learning 2013, Czech Republic.

9. Alimaa Jargalsaikhan: Methodology research on developing online learning content, "International Summer workshop Computer Science 2013" Proceedings of International Summer workshop 17.7. - 19.7.2013 ISSN 0947-5125. Herausgeber: Fakultat fur Informatik, TU Chemnitz Strae der Nationen 62, D-09111 Chemnitz, Germany.

10. Oyuntsetseg Dash, Alimaa Jargalsaikhan: Using Programming in field of Geodesy, International Conference BWCUCI-2012 proceeding.

11. Alimaa Jargalsaikhan: Computer –Aided Mining Drawing course: ExE Learning based e-learning Model, International Workshop on "Innovation technologies for an effective geospatial management of earth resources" 2011.

Oral Presentations

1. Alimaa Jargalsaikhan: " E-learning Self-assessment using the structure-oriented assessment methodology " *The "LEARNING CENTERED LEARNER, LCL 2020" online workshop November 10-11, 2020.*
2. International conference NEASAS-2023 Siberia Mongolia and Trans-bordering territories of North Asia. /2023.05.02/