Appendix B – Faculty Vitae

1. **Name: Tserenlkham Batdorj**

2. **Education – degree, discipline, institution, year:**
   Post Graduate Diploma: Satellite Communications, Centre for Space Science and Technology Education in Asia and the Pacific (CSSTEAP), India, 2008
   MSc: Information technology engineer, School of Information and Communication Technology (SICT), Mongolian University of Science and Technology (MUST), 2005
   BSc: Information technology engineer, School of Information and Communication Technology (SICT), Mongolian University of Science and Technology (MUST), 1994

3. **Academic experience – institution, rank, title (chair, coordinator, etc. if appropriate), when (ex. 1990-1995), full time or part time:**
   2010-present: Instructor, School of Information and Communication Technology, Mongolian University of Science and Technology, full-time;

4. **Non-academic experience – company or entity, title, brief description of position, when (ex. 1993-1999), full time or part time**
   2000-2009: Assistant of professor, School of Information and Communication Technology, Mongolian University of Science and Technology, full-time;
   1995-2000: Engineer, station-411, Telecom Mongolia Company, full time.

5. **Certifications or professional registrations**
   2016.12: Professional Engineer, №13-135
   2016.09: Next Generation Network Technologies and Future Trends, №001399
   2014.05: Modern Telecommunications, № 76786
   2010: Matlab Programming and Application

6. **Current membership in professional organizations:**
   IEEE Communications Society Membership

7. **Honors and awards:**
   – Монгол Улсын Боловсрол, соёл, шинжлэх ухааны яамны "Жуух бичиг", 2015
   – Top 100 lecturer Award of the MUST, 2014.12
   – Winner, Most outstanding lecturer Award of the School of Information and Communication Technology, MUST, 2014.01
   – "Мэдээлэл, Харилцаа Холбооны Тэргүүний ажилтан" тэмдгээр, 2012

8. **Service activities (within and outside of the institution)**
   – Member of Board of Technology Innovation Mongolian Young Scientist Association;

9. **Briefly list the most important publications and presentations from the past five years – title, co-authors if any, where published and/or presented, date of publication or presentation (selected)**

- Tserenlkham Batdorj, Ganbold Shagdar, Buyankhishig Zundui, "An enhanced DWBA algorithm in WDM-TDM PON networks", 2020 22nd International Conference on Advanced Communication Technology (ICACT), pp.442-447.
- Tserenlkham.B., Ganbold.Sh., Buyankhishig.Z., "DBA algorithm suitable for service classes", In Proceeding Mongolian Information Technology, pp.58-61., 2019
- Tserenlkham.B., Ganbold.Sh., Buyankhishig.Z., "Dynamic Wavelength and Bandwidth allocation algorithm in WDM/TDM PON networks", In Proceeding 13th International Forum on Stratigic Technology, pp.527-530., 2018
- Tserenlkham.B., Buyankhishig.Z., Ganbold.Sh., "Dynamic Bandwidth allocation in WDM-TDM PON networks", In Proceeding Mongolian Information Technology, pp.97-101., 2017
- Tserenlkham.B., Buyankhishig.Z., Ganbold.Sh., "Bandwidth allocation in WDM-TDM PON networks", In Proceeding Information Technology in Present & Future, pp.58-61, 2017
- Tserenlkham.B., Khishigjargal.G., "Analyses for outcomes of Engineering to Introduction", In Proceeding Based on Outcomes Education, pp.115-119, 2016.
- Uranchimeg.T., Bayar.G., Purevdash.D., Tserenlkham.B., "Power Supply Safety Consederation for Medial Facilities", In Proceeding Khurel Togoot, 2015.
- Tserenlkham.B., "Simulation on Ordinary Differential equations", In Proceeding Mathematical education and consumption approach in Science development, pp.106-112. 2015.
- Tserenlkham.B., "The use of the Matlab and Simulation in Communication Systems", In International Conference on Creative Science and Technology (ICCST), pp. 100-103. 2013.
- Tserenlkham.B., and Batdalai.S. "Antenna tracking system for broadband portable terminal", In Strategic Technology (IFOST), 2013 8th International Forum on, vol. 2, pp. 159-162. IEEE, 2013.
- Buyankhishig,Z., Tserenlkham.B., and Orgil.J. "Comparative study on high order optical modulation formats", In Strategic Technology (IFOST), 2013 8th International Forum on, vol. 2, pp. 168-171. IEEE, 2013.
- Baljinnyam.Ts, Ariunaa.Ts, Nyamsuren.P, Tserenlkham.B. "Telephone Users Demand and Traffic Forecasting for Mongolian Telecommunication Network", In Strategic Technology (IFOST), 2013 8th International Forum on, vol. 2, pp. 186-. IEEE, 2013.
- Lkhagvasuren.T., Tserenlkham.B. "Algorithm for signaling traffic in Telecom Network", In Proceedings of The 3st conference of MUSTAK The International Conference on Engineering, pp. 06-10, 2012.
- Buyankhishig.Z., Tserenlkham.B., Batdalai.S. "Some result on simulation of SDH multiplexer", In Proceedings of International conference on knowledge based industry, pp 226, 2011.
- Lkhagvasuren.T., Ariunaa.Ts., Tserenlkham.B. "Qos Model for NGN", In Proceeding of International Conference on Knowledge based Industry (ICKI), pp 230-233, 2011.
- Ariunaa.Ts., Tserenlkham.B., Munkhbayar.A. "FSO technology", In Hurel togoot, pp. 44, 2011.
- Tserenlkham.B. "Automatic tracking system for Portable antenna", In Generalized Statement and Solutions of Control Problems (GSSCP), pp 261-265, 2010.

10. **Briefly list the most recent professional development activities (conference and seminar):**
    - Attended the E-Nation-ICT100, 17.June 2021

- 22nd International Conference on Advanced Communication Technology, ICACT 2020
- Attended the MMT-2019, 03.May 2019.
- Attended the Based on the outcomes education, Dec 2018.
- Attended the IFOST-2018, 30.May 2018.
- Attended the MMT-2017, 03.May 2017.
- Attended the Based on the outcomes education, 23.Dec 2016.