











- [2] Ivaniga, P., Kureková, S., Ivaniga, T., The Influence of Bit Error Rate on DWDM system with Different Pumping Powers in EDFA, *IOSR Journal of Electronics and Communication Engineering*, vol. 14, no. 1, 2019, pp. 22-30.
- [3] Ghatak, A., Thyagarajan, K., *FIBER OPTIC ESSENTIALS*, 2007, ISBN 978-0-470-09742-7, 259 pp.
- [4] Agrawal, G. P., *Applications of Nonlinear Fiber Optics*, 2nd edition, 2008.
- [5] Sivakami, S., Ramprabu, G., Hemamalini, V., Veronica, K., Thirupoorani C., Fiber Fault Localization in FTTH Using Online Monitoring, *International Journal of Innovative Research in Computer and Communication Engineering*, vol. 3, no. 3, 2015, pp. 1763-1768.
- [6] Liptai, P., Moravec, M., Badida, M., Research of possibilities of using the recycled materials based on rubber and textiles combined with vermiculite material in the area of noise reduction, *Advanced Materials Research*, vol. 1001, 2004, pp. 243-248.
- [7] Smiesko, J., Exponential model of token bucket system, *Komunikacie*, vol. 5, no. 4, 2003, pp. 66-70.
- [8] Ivaniga, P., Ivaniga, T., 10 Gbps optical line using EDFA for long distances, *Przeglad Elektrotechniczny*, vol. 93, no. 3, 2017, pp. 193-196.
- [9] Mastang, M., Rahman, A., Jumari, K., Multi Access Detection System for Line Monitoring in Fiber To The Home (FTTH), *Space Science and Communication, 2009. IconSpace 2009. International Conference*, vol. 26, no. 27, 2009, pp. 123-125.
- [10] EXFO| “Telecom Test and Service Assurance”, Canada 10/09, User Guide.
- [11] Arora, O., Garg, A. K., Punia, S., Symmetrical Dispersion Compensation For High Speed Optical Links, *IJCSI International Journal of Computer Science Issues*, vol. 8 ,no. 1, 2011, pp. 371-376,
- [12] Gawade, S. B., Mer, S. B., Testing and Loss Measurement Techniques in Optical FIBER for Healthy Optical FIBER Communication, *IOSR Journal of Electronics and Communication Engineering*, vol. 10, no. 3, 2015, pp. 54-56.
- [13] Mikúš, L., Evaluations of the error rate in backbone networks, *Elektrorevue*, vol. 12, no. 2, 2010, pp. 1-10.
- [14] Ivaniga, P., Ivaniga, T., The design of EDFA with forward pumping at the distance line in DWDM, *Journal of Engineering Science and Technology*, vol. 14, no. 2, 2019, pp. 531-540.
- [15] Zraková, D., Kubina, M., Koman, G., Influence of information-communication system to reputation management of a company, *Procedia Engineering*, vol. 192, 2017, pp. 1000–1005.
- [16] ITU-T.G.652 – Characteristics of a single-mode optical fibre and cable.
- [17] ITU-T Optical fibre cable maintenance criteria for in-service fibre testing in access networks L.66, 2007.