











*Int. J. Comput. Sci. Network Security* 7 (July (7)) (2007).

- [9] S.A. Aljunid, M. Ismail, A.R. Ramli, A new family of optical code sequences for spectral-amplitude-coding optical CDMA systems, *IEEE Photon. Technol. Lett.* 16 (October (10)) (2004).
- [10] S.William,D.Ivan, OFDM for Optical Communications, *Academic Press is an imprint of Elsevier*, California, US, 2007.
- [11] T.H. Abd, S.A. Aljunid, H.A. Fadhil, R.B. Ahmad, M.A. Rashid, “New approach for evaluation of the performance of spectral amplitude coding-optical code division multiple access system on high-speed data rate”, *Commun. IET* 6 (2012) 1742–1749.
- [12] A.I. Waqas, N. Ahmed, “cardinality enhancement of SAC-OCDMA Systems Using New Diagonal double weight code”. *International journal of communication networks and information security (IJCNIS)* vol.6, No.3, (December 2014) 226-232