

| FACULTY PROFILE FORMAT (Format 3) | | |
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| Staff Name | : | A M Balamurugan |
| Faculty ID | : | TEC22 |
| Designation | : | Associate Professor |
| Qualification | : | M.E., (Ph.D) |
| Teaching Experience | : | 20 years and 4 months |
| Area of Specialization | : | OBS, Optical Networks, Computer Networks |
| Subjects Handled | : | <ol style="list-style-type: none"> 1. Computer Networks 2. RF and Microwave Engineering 3. Analog and Digital Communication 4. Satellite Communication 5. High performance Networks |
| Books Published | : | - |
| Journals Published | : | <p>A. M. Balamurugan and A. Sivasubramanian, “Quantum Key Based Burst Confidentiality in Optical Burst Switched Networks,” The Scientific World Journal, vol. 2014, Article ID 786493, 7 pages, 2014. doi:10.1155/2014/786493</p> <p>A. M. Balamurugan and A. Sivasubramanian, “A Novel QKD Based Secure Edge Router Architecture Design For Burst Confidentiality In Optical Burst Switched Networks” Journal of Optical Communications. Volume 35, Issue 2, Pages 109–116, ISSN (Online) 2191-6322, ISSN (Print) 0173-4911, DOI: 10.1515/joc-2014-0003, April 2014</p> <p>Manoj Ramesh Rao R, Johny Richards R, Joel Manohar, Mr. Balamurugan. A. M, Dr. A. Sivasubramanian, “ Erbium Doped Fiber Amplifiers: State Of Art”, International Journal of Scientific & Technology Research, Volume 2, Issue 5, May 2013, pp- 316-319.</p> <p>A.M.Balamurugan, Dr.A.Sivasubramanian, Optical burst switching issues and its features, International journal of Emerging Trends & Technology in computer science, Volume 2, Issue 3, May-June 2013, pp-306-315.</p> <p>J.Steffi Agino Priyanka, S.Tephillah and A.M.Balamurugan, “Attacks and countermeasures in WSN”, International Journal of Electronics & Communication, Volume 2, Issue 1, January 2014, pp- 16-23.</p> <p>A.M.Balamurugan, V. Chandana, A.Sivasubramanian, “Survey of Burst Integrity Protocols for Optical Burst Switched Networks”, International Journal of Advanced Research in Electronics and</p> |

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| | | Communication Engineering (IJARECE) Volume 3, Issue 2, February 2014.PP-235-239 |
| Conference /Workshop Attended | : | <p>Ahilan s., Sivasubramanian. A, and Balamurugan.A.M, “ Qos based multicasting in optical networks”, Proc. On International conference on Information communication & Embedded Systems, Chennai, Feb.2011</p> <p>A.M.Balamurugan, V. Chandana, A.Sivasubramanian “Maximize the utilization of WDM channels using WR-OBS in adaptive optical burst switching” International conference titled IET SEISCON 2013 at KCG college of Technology, Chennai.</p> |
| Patent Details | : | - |
| Funded Project Details | : | - |