

RESUME

Name : Dr. Shaveta Rani
Father's Name : Sh. Kewal Krishan
Present designation : Professor
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Giani Zail Singh Campus College of Engg. & Tech.
(Maharaja Ranjit Singh Punjab Technical University) Bathinda-151001
Punajb, India
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Qualifications detail:

| Sr. No | Degree | Year of passing | Institute | University |
|--------|-------------------------|-----------------|----------------|---------------|
| 1 | B.Tech. (CSE) | 1998 | SLIET Longowal | PTU Jalandhar |
| 2. | M.S. (Software Systems) | 2002 | BITS Pilani | BITS-Pilani |
| 3 | PhD | 2009 | BITS Pilani | BITS-Pilani |

Experience Detail:

| Sr. No | Designation | Period | | Organization |
|--------|----------------------|------------|------------|-------------------------|
| | | From | To | |
| 1 | Lecturer | 28.08.1998 | 27.08.2003 | GZSCCET Bathinda |
| 2. | Lecturer (Sr. Scale) | 28.08.2003 | 16.05.2005 | GZSCCET Bathinda |
| 3 | Assistant Professor | 17.05.2005 | 16.05.2008 | GZSCCET Bathinda |
| 4 | Associate Professor | 17.05.2008 | 16.05.2011 | GZSCCET Bathinda |
| 5 | Professor | 17.05.2011 | Till date | GZSCCET MRSPTU Bathinda |

List of PhD. Thesis guided: 08

PhD Supervision Ongoing: 03

PhD Supervision slots free: 05

M.Tech Thesis guided: 22

M.Tech. Thesis under supervision: 02

Total Teaching Experience: 23 Years

Area of Research/Interest : IoT, Machine Learning, Image Processing,
Networking

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| No. of publications in Journals | : 79 |
| No. of publications in Conferences | :20 |
| No. of papers presented in conferences | : 8 |
| No. of Invited talks/session chairs/Expert lectures | : 06 |
| Short term courses attended | : 21 |

Major Administrative Duties Performed:

1. Head of Dept. of CSE
2. Warden Girls Hostel
3. PI (iHMRS)
4. Nodal Officer (AISHE)
5. Nodal Officer (AIU)
6. Nodal Officer (Swayam)
7. Member ICC committee
8. Chairman of various purchase committees
9. Work related to College Development Council, MRSPTU Bathinda
10. University Nominee for affiliation process, MRSPTU Bathinda
11. Expert in Scrutiny committee for affiliation of colleges under MRSPTU Bathinda
12. Member of Expert committee for inspection of colleges
13. Work related to RTI, Complaints of colleges under MRSPTU Bathinda

Examination Duties Performed:

1. Nodal Officer, Supdt., Deputy Supdt., IKGPTU Kapurthala.
2. Controller, Supdt., Deputy Supdt., Flying squad of PSTEB Examinations.
3. Centre Supdt., Distance Education examinations

Other Duties Performed:

1. Member of Board of studies of MRSPTU Bathinda, LPU Jalandhar, GKU Talwandi Sabioo
2. Member of DDRC Committee , MRSPTU Bathinda
3. Member Editorial Board, GZSCCET Bathinda
4. Incharge NBA
5. Incharge committee of Post Metric Scheme, MRSPTU Bathinda

List of major publications:

1. Shaveta Rani, Ajay K. Sharma, and Paramjeet Singh, "Resource Allocation Strategies for Survivability in WDM Optical Networks," Int. Journal of Optical Fiber Technology,

- Vol. 13, Issue 3, July 2007, pp. 202-208, Available at www.sciencedirect.com. doi:10.1016/j.yofte.2006.12.004. ISSN: 1068-5200 (IF: 1.187).
2. Shaveta Rani, Ajay K. Sharma, and Paramjeet Singh, "Restoration approach in WDM optical networks" OPTIK- Int. Journal for Light and Electron Optics, Vol. 118, 2007, pp. 25-28, Available at www.sciencedirect.com. doi:10.1016/j.ijleo.2006.01.007. ISSN: 0030-4026 (IF: 0.524).
 3. Shaveta Rani, Ajay K. Sharma, and Paramjeet Singh, "Survivability strategy for large and scalable WDM optical networks," Int. Journal of Optical Communications, Vol. 28, Issue 1, 2007, pp. 43-45, Available at www.joc-online.schiele-schoen.de.
 4. Shaveta Rani, Ajay K. Sharma, and Paramjeet Singh, "Provisioning for Restorable WDM Optical Networks" OPTIK - Int. Journal for Light and Electron, Elsevier, Vol. 119, Issue 12, 2008, pp. 571-576, Available at www.sciencedirect.com. doi:10.1016/j.ijleo.2006.12.022. ISSN: 0030-4026 (IF: 0.524).
 5. Shaveta Rani, Ajay K. Sharma, and Paramjeet Singh, "Survivability Strategies With Backup Multiplexing in WDM Optical Networks" OPTIK- Int. Journal for Light and Electron Optics, Vol. 120, Issue 10, 2009, pp. 497-503, Available at www.sciencedirect.com. doi:10.1016/j.ijleo.2007.12.008. ISSN: 0030-4026 (IF: 0.524).
 6. Shaveta Rani, Ajay K. Sharma, and Paramjeet Singh, "Restoration Optimization Strategy for Multifiber Optical Networks" OPTIK- Int. Journal for Light and Electron Optics, Vol. 121, Issue 2, 2010, pp. 174-177, Available at www.sciencedirect.com. doi:10.1016/j.ijleo.2008.06.004. ISSN: 0030-4026 (IF: 0.524).
 7. Paramjeet Singh, Ajay K. Sharma, and Shaveta Rani, "Routing and Wavelength Assignment Algorithms in Optical Networks," Int. Journal of Optical Fiber Technology, Vol. 13, Issue 3, July 2007, pp. 191-197, Available at www.sciencedirect.com. doi:10.1016/j.yofte.2006.10.002. ISSN: 1068-5200 (IF: 1.187).
 8. Paramjeet Singh, Ajay K. Sharma, and Shaveta Rani, "An Efficient Wavelength Assignment Strategy for WDM Optical Networks," Int. Journal of Optical Engineering, SPIE, Vol. 46, No. 8, Aug. 2007, Available at <http://spiedigitallibrary.aip.org>. ISSN: 0091-3286 (IF: 0.88).
 9. Paramjeet Singh, Ajay K. Sharma, and Shaveta Rani, "Routing and Wavelength Assignment in WDM Networks with Dynamic Link Weight Assignment," OPTIK- Int. Journal for Light and Electron Optics, Vol. 118, Issue 11, 2007, pp. 527-532, Available

at www.sciencedirect.com. doi:10.1016/j.ijleo.2006.05.014. ISSN: 0030-4026 (IF: 0.524).

10. Paramjeet Singh, Ajay K. Sharma, and Shaveta Rani, "Minimum Connection Count Wavelength Assignment Algorithm for WDM Optical Networks," *Int. Journal of Optical Fiber Technology*, Vol. 14, Issue 2, April 2008, pp. 154-159, Available at www.sciencedirect.com. doi:10.1016/j.yofte.2007.09.001. ISSN: 1068-5200 (IF: 1.187).
11. Paramjeet Singh, Ajay K. Sharma, and Shaveta Rani, "Distributed Control Based Routing and Wavelength Assignment Strategy for WDM Optical Networkst," *OPTIK-Int. Journal for Light and Electron Optics*, Vol. 121, Issue 8, April 2010, pp. 679-683, Available at www.sciencedirect.com. doi:10.1016/j.ijleo.2008.10.002. ISSN: 0030-4026 (IF: 0.524).