

# CURRICULUM VITAE

## Dr. Abida Yousuf

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### OBJECTIVE:

I intend to pursue my career in teaching and I believe experience in different communicational specialties is extremely important. I am looking forward to attend various courses which will be beneficial to my progress and train me further.

### EDUCATION

Ph.D (Electronics and communication engineering): NIT, Srinagar, 2019.

M.Tech (With specialization in VLSI designing): NIT, Srinagar, 2011.

B.E (With specialization in Electronics and Communication): University Of Jammu, 2007.

### EXPERIENCE

1. Currently working at University of Kashmir, Electronics and Instrumentation technology 2022
1. Assistant professor in School of Technology, IUST, Awantipora(2018 to 2020)
2. Lectures in ECE Dept. at National Institute of Technology, Srinagar during research work (April 2013-Dec-2016)
3. Guest Lectures Delivered on VLSI System Designing in the University of Kashmir,2012
4. Lecturer in I.T Dept. at National Institute of Technology, Srinagar (Mar- Dec),2012.
5. Lecturer in ECE Dept. at MIET, Jammu University, Sep-2011 – Mar-2012
6. Lecturer in School of Technology, IUST, Awantipora, 2009
7. Lecturer in MasterPro Diploma college, Srinagar, 2009.
8. Lecturer in Super Computer College, Accredited by DOEACC, Anantnag, 2008.

### RESEARCH INTEREST:

1. Electronic Devices.
2. VLSI Designing.
3. Embedded System

4. System Designing using VHDL
5. Opto-electronics and optical fiber communication

## WORKSHOP ATTENDED AND PRESENTED

- 1 Workshop attended at BITS Pilani. Iltrex Robotics Design Fundamentals, TRI Mumbai.
- 2 Workshop Presented on Hardware Descriptive Language (HDL).

## PAPER PUBLICATIONS

- 1 Abida Yousuf, Najeeb-ud-din, "Effect of gain compression above and below threshold on the chirp characteristics of 1.55 $\mu$ m DFB Laser," *Journal of Opt.Rev (Springer)*, vol. 23, DOI 10.1007/s10043-016-0268-9
- 2 Abida Yousuf, Najeeb-ud-din, "Investigation on chirping induced performance degradation in single mode directly modulated 1055 $\mu$ m DFB laser," *J. Opt. Commun. (DeGruyter)*, vol. 40, pp. 31-36, 2017, DOI 10.1515/joc-2017-0015.
- 3 Abida Yousuf, Najeeb-ud-din "Investigation on chirping characteristics of a 1.55 $\mu$ m directly modulated distributed feedback laser," *Journal of optics*, vol. 47, pp.481–488, 2019.
- 4 Abida Yousuf, Najeeb-ud-din, "Gain compression of spontaneous and stimulated emission under direct modulation response of 1.55- $\mu$ m DFB laser," *Journal of optics*, vol.48, pp.456–460, 2019.
- 5 Abida Yousuf, Najeeb-ud-din, "Chirp reduction in single mode DM-SQW-DFB laser operated at second quantization state." *Journal of Microelectronics (ICTACT)* DOI:10.2192395-1680 17/ijme.201 7.0085 0.68
- 6 Abida Yousuf, Najeeb-ud-din, "Variation of modulation response with gain compression of spontaneous and stimulated emission in 1.55 $\mu$ m DFB laser," *International Journal of Engineering Applied Sciences and Technology*, vol. 2, issue 1, pp 57-61, 2016
- 7 Abida Yousuf, Hakim Najeeb-ud-din, "Hardware Implementation of Two,s Compliment Multiplier with partial product bypassing technique," *Int. Journal of Engineering research and applications*, vol 5, pp. 69-73, 2015
- 8 Abida Yousuf, Ruhi Naaz Mir, Najeeb-ud-din "Reconfigurable Architectures," *Journal of Advanced Computer Science And Technology*, vol 1, Issue 4, pp 9-15, 2012.

- 9 Abida Yousuf, Ruhi Naaz Mir, Najeeb-ud-din “Design Methodology for Low Error Fixed Adaptive Multiplier,” *International Journal of Engineering Research and Development*, vol 8, issue 10, pp 09-15,2013.
- 10 Abida Yousuf, Ruhi Naaz Mir, Najeeb-ud-din, “Hardware Implementation of two’s compliment Multiplier with partial product by-passing technique,” *International Journal of Enginerring Research and Applications*, vol 5, Issue 6, pp. 69-73, 2015.
- 11 Abida Yousuf, Najeeb-ud-din, “Effect of gain compression on the modulation response of 1.55um DFB Laser, “*Proceeding of 3<sup>rd</sup> IEEE conference on signal processing and integrated networks*,
- 12 Abida Yousuf, Najeeb-ud-din, “Effect of chirp Characteristics on signal transmission performance, *Proceeding of 4<sup>th</sup> IEEE conference on signal processing and integrated networks*.

### CONFERENCE PAPER PRESENTED

- 1 AbidaYousuf, “Influence of Gain compression on modulation characteristics of DFB Laser,” 3<sup>rd</sup> IEEE conference on Signal and systems held at Amity, Delhi, 2016.
- 2 AbidaYousuf, “Influence of Bias current on modulation characteristics of DFB Laser,” 2<sup>nd</sup> IEEE conference on Emerging Electronics held at IISC, Bangalore, 2014.
- 3 AbidaYousuf, “New Widely Tunnable Edge Emitting Laser for Optical Communication, Diamond Jubilee (IETE) Seminar held at NIT,srinager,2013.
- 4 AbidaYousuf, “Reconfigurable Computing,” National Level Symposium held in the University of Jammu, 2012.

### TECHNICAL SKILLS:

Course : System Designing  
           : VLSI Designing  
           : Microcontroller  
           : Ms-Dos, Windows xp, Windows Vista  
 Tools : VHDL, MATLAB, Opti-System, Crosslight

### PERSONAL DETAILS:

Personality: Quick learner, Confident, Optimistic, Motivator, Responsible  
 Place of birth: Anantnag, J&K

