Payal Paliwal
(UGC-NET, GATE, M.Tech.)

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Payal Paliwal 🔗

Passionate, dedicated and hardworking individual believes in steady employment and self and organizational growth.

Experience

Aug, 2019 - Present

Assistant professor in Electronics Deptt. /Techno India NJR Institute of Technology, Udaipur (Raj.)

2016-18

Teaching assistant in Electronics Deptt. / University college of Engineering, Kota (Raj.)

Aug, 2016 – July, 2018

2015-16

Lecturer in Electronics Deptt. / Dr. D.N. Mutha Institute of Diploma Engineering (BTER, Jodhpur), Barmer (Raj.)

Jan, 2015 – June, 2016

Education

2016-18

M.Tech. (Digital Communication) / University College of Engineering (Rajasthan Technical University), Kota

- Aggregate score: - 74.68% (Honours).

2010-14

B.Tech. (Electronics and Communication Engineering) / JIET Group of Institution, Jodhpur

- Aggregate score: - 76.86% (Honours.)

2009-10

Senior secondary school/ Kendriya Vidhyalaya, Jalipa Cantt, Barmer (CBSE)

- Final score: - 83.60%

2007-08

Secondary school/ Board of Secondary Education, Rajasthan (RBSE)

- Final score: - 86.33%

Publications:

- Paliwal P., Sharma J. B. and Nath V., "Comparative study of FFA architectures using different multiplier and adder topologies", *Microsyst Technol (2019).*   [Springer publication]

- Paliwal P., Sharma J. B., " Efficient FPGA Implementation architecture of Fast FIR Algorithm using Han-Carlson adder based Vedic multiplier," in proceedings of the International Conference on Inventive Research in Computing Applications (ICIRCA 2018), pp 643-646.   [IEEE Xplore]

- Paliwal P., Sharma J. B., "Fast FIR Algorithm based symmetric FIR filter using Han-Carlson adder and vedic multiplier", *International Journal of pure and applied mathematics*, vol. 118, no. 24, 2018.   [SCOPUS Indexed Journal]

Skills

- Working knowledge of MATLAB, XILINX Vivado, Optiwave, PCB Wizard, MS office software
- Fundamental knowledge of VHDL, C++, C, python and SQL.
- Done the certified courses on:
  - Fundamentals of Scalable Data Science by IBM
  - Advanced Machine Learning and Signal Processing by IBM
  - Python Data Analysis by Rice University
  - Introduction to Data Science in Python by Michigan University
  - AI For Everyone by deeplearning.ai
  - Python for everybody (Specialization including 5 certified course) by Michigan University
  - SQL for Data Science by University of California, Davis
  - MATLAB Onramp by Mathworks corp.
  - Machine Learning Onramp by Mathworks corp.
  - Deep Learning Onramp by Mathworks corp.

Activities

Faculty development program
- Attended one week online faculty developement program on "Recent Trends in Electronics and Communication Engineering" organized by Chennai Institute of Technology during 8-12th June, 2020.

Summer training
- Attended summer training program at Nokia Solution Network Pvt. Ltd., Jaipur during May-June, 2013 and acquired proficient knowledge about "Global system of mobile communication"

B.Tech. Project
- Worked on project entitled, "Wireless surface electromyogram" and "Simple Digital clock using microcontroller Atmel 89C51".

M.Tech. Project
- Worked on the thesis entitled, "Efficient FPGA implementation architectures of the Fast FIR Algorithm".

- Attended the one week workshop on "Recent trends in Digital Image Processing & Computer Vision".
- Attended workshop program on "Machine learning workshop using R and Python".
- Attended the short term course on "Digital system and digital communication".

Achievements

- Qualified UGC-NET 2018 exam
- Qualified GATE examination in 2014 and 2015
- Secured 2nd position in Rajasthan in M.Tech.
- Secured 3rd position in B.Tech. ECE department.
- Head Girl of Kendriya Vidhyalaya, Jalipa Cantt, Barmer, during 2009-10
- Qualified in 51st state level athletic competition, 2006-07 in 3000 m

Personal Details

Father's name: Mr. Durga Prasad Paliwal

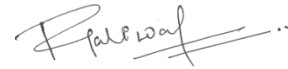Mother's name: Mrs. Seema Paliwal

Date of Birth: 14th July, 1992

Hobbies: Reading, art and craft, sketching, listening to music

      I hereby declare that all the particulars stated in this curriculum vitae are true to the best of my knowledge and belief.

Udaipur

Date: 22nd June, 2020

Payal Paliwal