VIKRAM PURI
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ABOUT ME

Vikram Puri is Researcher in Center of Visualization and Simulation, DuyTan University, Vietnam. He has completed B. Tech (Bachelor of Technology) in Electronic and Communication Engineering from Punjab Technology University, India and pursuing his MS (Master of Science) in Computer Science from DuyTan University, Vietnam. He has been involved with programmer and researcher since 2014. He has 3 years' industrial experience regarding the development of products and cooperate training. He has published more than 25 research papers in the reputed journals and conference including SCI, ISI, Scopus, DBLP and ACM. He is doing research in the field of Internet of Things, Wireless Sensor Network, Robotics, Machine Learning.

EDUCATION

2018*	Master of Science	*DuyTan University, Vietnam*
2010-2014	Bachelor of Technology	*Punjab Technical University, India*
	Spl. Electronics and Comm.	

EXPERIENCE

2018	DuyTan University	*Researcher and Lecture*
2016-2017	Ellen InfoTech Pvt. Ltd	*Senior Embedded Developer*
2014-2016	Enjoin Technology (P) Ltd	*Production Development Manager*

TECHNICAL SKILLS

Embedded System	8051, PIC, AVR, ARM 7 /ARM 9, STM32, MSP430, Freescale, Arduino, Raspberry Pi.
Automation	S7200 Smart PLC

PCB Designing	Proteus, Eagle, Altium Designer, Orchad, kiCAD, DIPTRACE
Embedded C	Keil for 8051 and ARM, MPLAB, AVR STUDIO 7, IAR
Software	Workbench, MikroC, Arduino IDE
MATLAB	MATLAB with Embedded System
LABVIEW	LABVIEW with Embedded System
Wireless Modules	ESP8266, ZigBee, nrf24l01, 6 Channel Transmitter and Receiver
Protocols	SPI, I2C, CAN, NEC, RC5
VB.NET	Embedded with VB.NET
VLSI	Spartan, Xilinx
Drones	F430 Quadcopter, fs700 Octocopter

SELECTED FOR PUBLICATION

INTERNATIONAL CONFERENCES

1. Nayyar, A., **Puri, V.,** & Nguyen, N. G. (2019). BioSenHealth 1.0: A Novel Internet of Medical Things (IoMT)-Based Patient Health Monitoring System. In International Conference on Innovative Computing and Communications (pp. 155-164). Springer, Singapore.
2. Nayyar, A., **Puri, V.**, & Suseendran, G. (2019). Artificial Bee Colony Optimization—Population-Based Meta-Heuristic Swarm Intelligence Technique. In Data Management, Analytics and Innovation (pp. 513-525). Springer, Singapore.
3. Nayyar, A., **Puri, V.**, & Le, D. N. (2019). Comprehensive analysis of routing protocols surrounding underwater sensor networks (UWSNs). In Data Management, Analytics and Innovation (pp. 435-450). Springer, Singapore.
4. Nayyar, A., **Puri, V.**, Nguyen, N. G., & Le, D. N. (2018). Smart surveillance robot for real-time monitoring and control system in environment and industrial applications. In Information Systems Design and Intelligent Applications (pp. 229-243). Springer, Singapore.
5. Nayyar, A., & **Puri, V.** (2017, February). Smart Farming: IoT based smart sensors agriculture stick for live temperature and moisture monitoring using Arduino, cloud computing & solar technology. In International Conference on Communication and Computing System (ICCCS 2016), Gurgaon, India, 9 (pp. 673-680).
6. Nayyar. A, & **Puri, V**. (2017, February). Smart Farming: IoT based smart sensors agriculture stick for live temperature and moisture monitoring using Arduino, cloud computing & solar technology. In International Conference on Communication and Computing System (ICCCS 2016), Gurgaon, India, 9 (pp. 673-680).
7. **Puri, V.**, & Nayyar.A, A. (2016, March). Real time smart home automation based on PIC microcontroller, Bluetooth and Android technology. In Computing for Sustainable Global Development (INDIACom), 2016 3rd International Conference on (pp. 1478-1484). IEEE.
8. Nayyar.A, A., & **Puri, V**. (2016, March). A review of Arduino board's, Lilypad's & Arduino shields. In Computing for Sustainable Global Development (INDIACom), 2016 3rd International Conference on (pp. 1485-1492). IEEE.
9. Nayyar.A, A., & **Puri, V**. (2015, November). A review of Beaglebone Smart Board's-A Linux/Android powered low cost development platform based on ARM technology. In

Future Generation Communication and Networking (FGCN), 2015 9th International Conference on (pp. 55-63). IEEE.

10. Arora, J., Rawat, S. S., Srinivasan, K., & **Puri, V**. (2014, March). Design and development of digital voltmeter using different techniques. In Green Computing Communication and Electrical Engineering (ICGCCEE), 2014 International Conference on (pp. 1-5). IEEE.

Edited Book Chapter

1. **Puri, V.,** Tromp, J. G., Leroy, N. C., Le Van, C., & Nguyen, N. G. (2018). Analysis of Telemedicine Technologies. Emerging Technologies for Health and Medicine: Virtual Reality, Augmented Reality, Artificial Intelligence, Internet of Things, Robotics, Industry 4.0, 153-161.

2. Chung Van Le, J. G., & **Puri, V.** (2018). Using 3D Simulation in Medical Education: A Comparative Test of Teaching Anatomy Using Virtual Reality. Emerging Technologies for Health and Medicine: Virtual Reality, Augmented Reality, Artificial Intelligence, Internet of Things, Robotics, Industry 4.0, 12, 21.

International Journals

1. Jha, S., Kumar, R., Chiclana, F., **Puri, V**., & Priyadarshini, I. (2019). Neutrosophic approach for enhancing quality of signals. Multimedia Tools and Applications, 1-32. (**SCIE)**

2. **Puri, V.,** Nayyar, A., & Raja, L. (2017). Agriculture drones: A modern breakthrough in precision agriculture. Journal of Statistics and Management Systems, 20(4), 507-518. (**ESCI**).

3. Nayyar, A**., Puri, V.**, & Le, D. N. (2017). Internet of Nano Things (IoNT): Next Evolutionary Step in Nanotechnology. Nanoscience and Nanotechnology, 7(1), 4-8.

4. Nayyar, A., **Puri, V.,** & Le, D. N. (2016). A Comprehensive Review of Semiconductor-Type Gas Sensors for Environmental Monitoring. Review of Computer Engineering Research, 3(3), 55-64.

5. Nayyar, A., **Puri, V.** (2016). An Encyclopedia Coverage of Compiler's, Programmer's & Simulator's for 8051, PIC, AVR, ARM, Arduino Embedded Technologies. International Journal of Reconfigurable and Embedded Systems, 5(1).

6. Nayyar, A., & **Puri, V.** (2016). A Comprehensive Review of BeagleBone Technology: Smart Board Powered by ARM. International Journal of Smart Home, 10(4), 95-108.

7. Nayyar, A., & **Puri, V.** (2016). Data glove: Internet of things (iot) based smart wearable gadget. British Journal of Mathematics & Computer Science, 15(5).

Best Paper Award

1. CloudBot1: Real Time Environmental Monitoring Internet of Robot Published on ACCT16 organized by R.G. Education Society Rohtak, India

2. Smart Farming: IoT Based Smart Sensor Agriculture Stick for Live Temperature and Moisture Monitoring using Arduino, Cloud Computing and Solar Technology Published

on ICCCS 2016 (Taylor and Francis Group) organized by Dronacharya College of Engineering, Gurgaon, India.

Article Magazines

1. Biomedical Sensors Advancing Medical and Biotechnology, Electronic for you Vol.5, Issue 10, February 2017
2. Augmented Reality: Revolutionizing Medical Applications, Electronic for you Vol. 5, Issue 7, November 2016
3. Digital Forensics in Cloud Computing Environment: Current Challenges and Solutions for Effective Forensic Investigation, CSI Communication Vol. 39, Issue 12, March 2016
4. Nayyar, A., & **Puri, V**. TOP10 TOOLS FOR NATURAL LANGUAGE PROCESSING (NLP)-RESEARCH AND DEVELOPMENT. The CSI Vision:" lT for Masses, 92.

Books Published

1. **Vikram Puri**, Anand Nayyar, Dac- Nhuong Le (2017), Handbook of Arduino, Scholar Press, ISBN-13: 978-3-330-65093-0
2. Anand Nayyar, **Vikram Puri**, Dac- Nhuong Le (2017), Wireless Sensor Network, VSRD Academic Publishing, India ISBN-13: 978-93-96258-11-3
3. **Vikram Puri**, Anand Nayyar, Management Information System, VSRD Academic Publishing, India ISBN-13: 978-93-86258-18-2

Faculty Development Program(FDP)

1. **ARM – Cortex,** Desh Bhagat University Mandi Gobindgarh, 22 September, 2018
2. **3D Printing**, Desh Bhagat University Mandi Gobindgarh, 8 August 2017.
3. **Internet of Things (IoT)**, International Conference on Communication and Computing System (CRC Press) at Dronacharya College of Engineering and Technology, September 2016.

Memberships

1. **IAENG** (INTERNATIONAL ASSOCIATION FOR ENGINEERS) Member ID – **160370**
2. **ACM** (ASSOCIATION OF COMPUTING MACHINERY) Member ID - **0008918**
3. **theIRED** (INSTITUTE OF RESEARCH ENGINEERS AND DOCTORS) Member ID - **SM10100052715**
4. **SDIWC** (SOCIETY OF DIGITAL INFORMATION AND WIRELESS COMMUNICATION) Member ID – **14072**
5. **SAISE** (SOUTH ASIA INSTITUTE OF SCIENCE AND ENGINEERING) Member ID – **20170202002**

CERTIFICATIONS

1. Six Sigma **White Belt** Certified

RESEARCH LINKS

1. Google Scholar: https://scholar.google.co.in/citations?user=szkEuXUAAAAJ&hl=en
2. dblp: http://dblp.uni-trier.de/pers/hd/p/Puri:Vikram
3. Research Gate: https://www.researchgate.net/profile/Vikram_Puri2
4. Academia: https://recallsystem.academia.edu/VikramPuri
5. Scopus: https://www.scopus.com/authid/detail.uri?authorId=57189093819
6. ORCID : http://orcid.org/0000-0002-4023-9935

TECHNICAL PROGRAM COMMITTEE

1. The 7th International Conference On Frontiers Of Intelligent Computing: Theory And Application (FICTA 2018), (http://ficta2018.duytan.edu.vn/)
2. 3rd International Conference on Next Generation Computing Technologies (NGCT -2017), Springer, (http://www.ngct2017.in/)
3. 4th International Conference on Information System Design and Intelligent Application (INDIA-2017), DuyTan University, Vietnam.
4. ScienceDomain International, (http://www.sciencedomain.org)
5. Sensor Review , Emerald Insight , (http://www.emeraldinsight.com/loi/sr)

PROJECT COMPLETION

Project Name: Service Robot for Hotel Industry

Location: University of Nevada, Las Vegas, USA
Supervisor: Dr. Paul oh
Research Link: https://scholar.google.com.vn/citations?user=urApNdoAAAAJ&hl=en&oi=sra
Duration: August 2018- November 2018

REFERENCES

1. Name: Dr. Jolanda G Tromp
   Designation: Director
   Department: Center of Simulation and Virtualization.
   Organization: DuyTan University, Danang, Vietnam
   E-mail: jolanda.tromp@duytan.edu.vn

2. Name: Dr. Paul Oh
   Designation: Professor
   Department: Drones and Autonomous Lab
   Organization: University of Nevada, Las Vegas, USA
   Email Id: paul.oh@unlv.edu

3. Name: Dr. Gia Nhu Nguyen
   Designation: Vice Dean, Graduate School
   Department: Computer Science
   Organization: DuyTan University, Danang, Vietnam
   E-mail: nhuyengianhu@duytang.edu.vn

4. Name: Dr. Dac Nhuong Le
   Designation: Deputy Head, Department of Educational Testing and Quality
   Assurance, Vice-Director-Information Technology Apply Center,
   Lecturer at Faculty of Information Technology
   Department: Information Technology
   Organization: Haiphong University, Haiphong, Vietnam
   E-mail: nhuongld@hus.edu.vn