**CURRICULUM VITAE**



**P. JYOTHI**

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**OBJECTIVE**

Mentor and researcher with 4+ years of experience in real time embedded systems, virtual instrumentation, NI - LabVIEW. Seeking a challenge position in IoT and Big Data Analytics.

**ACADEMIC PROFILE**

Submitted **Doctor of Philosophy (Ph.D.)** Thesis on LabVIEW based Thermal Diffusivity measurement of solids using Photo-acoustic Instrumentation in the Department of Instrumentation, Sri Krishnadevaraya University, Anantapur.

**M.Sc., Electronics and Instrumentation**, May - 2008

Sri Krishnadevaraya University, Anantapur, AP, INDIA

Specialization: Embedded Systems, Virtual Instrumentation.

**B.Sc., Mathematics, Physics and Electronics**, 2006

Sri Krishnadevaraya University, Anantapur, AP, INDIA

**INDUSTRY EXPERIENCE**

* One year nine months experience in Megabyte Technologies, Bangalore on Real Time Embedded Systems, Microcontrollers and Digital Design.

**HANDS ON**

* Microprocessor
* 8-bit and 32-bit microcontrollers
* Keil IDE
* 8051 based microcontroller
* ARM microcontrollers
* MS Office
* Proteus
* OrCAD

**RESEARCH EXPERIENCE**

* More than **four** years of research experience at **Sri Krishnadevaraya** **University**, Anantapur on Real Time Embedded Systems, VirtualInstrumentation, Microcontrollers, Photo-acoustic Instrumentation etc.

**TEACHING EXPERIENCE**

 More than **four** years of teaching experience

**In Sri Krishnadevaraya University College of Engineering and Technology** as a **Guest Faculty**

M.Tech. Embedded Systems & VLSI Design

B.Tech. Electrical and Electronics Engineering

**In Department of Instrumentation,** Sri Krishnadevaraya University

M.Sc. Electronics and Instrumentation

**PERSONAL PROFILE**

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| --- | --- | --- |
| Name | : | P. Jyothi |
| Nationality | : | Indian |
| Sex | : | Female |
| Marital Status | : | Married |
| Date of Birth | : | 08th June 1986 |
| Passport No. | : | K4188961 |
| Permanent Address | : | P. Jyothi |
|  |  | w/o. Dr. C. Chandra Mouli, |
|  |  | D. No. : 12-1-772, |
|  |  | Ashok Nagar, |
|  |  | Anantapur. |
|  |  | Anantapur District, Andhra Pradesh, INDIA. |
|  |  | Phone: +91- 9059570659. |

**PUBLICATIONS**

**PAPERS**

**INTERNATIONAL**

1. **Study of Filters through Programmable Instruments Implementing LabVIEW**,P. Jyothi, C. Chandra Mouli, C. Nagaraja, K. Nagabhushan Raju,

*IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE),* Vol.No. 2, Issue 1, July-Aug. 2012, pp 05-09. ISSN: 2278-1676. **IF:** 1.452

1. **ARM Processor Based Embedded System for Examination Question Paper Leakage Protection System**,(**2012**), **P. Jyothi**, C. Chandra Mouli,C. Nagaraja and K. Nagabhushan Raju, *Sensors and Transducers Journal,* Vol. No. 141, Issue 6, June 2012, pp. 134-141. **e-IF:** 205.767
2. **Implementation of serial communication in LabVIEW to interface with 8051 based microcontroller**, (**2010**), C. Chandra Mouli, **P. Jyothi,**

K. Nagabhushan Raju, C. Nagaraja, T. Bheemalingaiah and M. Ashok Kumar, *Research Journal of Engineering & Technology*, Vol.3. Issue.4, pp.7-9, ISSN 0974-2824.

IV. **Design and Implementation of Robot Arm Control Using LabVIEW and ARM Controller**,C. Chandra Mouli, **P. Jyothi,** K. Nagabhushan Rajuand C. Nagaraja, *IOSR Journal of Electrical and Electronics Engineering* *(IOSR-JEEE),* Vol. No. 6, Issue 5, July-Aug. 2013, pp 80-84. e-ISSN: 2278-1676,P-ISSN: 2320-3331. **IF:** 1.452

1. **Comparative Study of Supervised Classification Algorithms for WOSRAS**,C. Chandra Mouli, **P. Jyothi** and K. Nagabhushan Raju,

*International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE),* Vol. No. 3, Issue 2, February.2014, pp 7188-7193. ISSN (Print): 2320 – 3765, ISSN (Online): 2278 – 8875. **IF:** 1.686.

VI. **Modeling and Implementation of Wireless Embedded Robot Arm for Object Sorting**,C. Chandra Mouli, **P. Jyothi** and K. Nagabhushan Raju,

*IOSR* *Journal* *of* *Electrical* *and* *Electronics* *Engineering* *(IOSR-JEEE),*

Volume 9, Issue 4 Ver. III (Jul – Aug. 2014), PP 35-44. e-ISSN: 2278-1676,p-ISSN: 2320-3331. **IF:** 1.452.

VII. **Design, Implementation and Comparative Study of Supervised Classification Algorithms for Object Sorting**,C. Chandra Mouli,

**P. Jyothi,** K. P. J. Pradeep and K. Nagabhushan Raju,*IOSR Journal of**Electrical and Electronics Engineering (IOSR-JEEE),* Volume 9, Issue 4 Ver.IV (Jul – Aug. 2014), PP 51-60. e-ISSN: 2278-1676,p-ISSN: 2320-3331. **IF:** 1.452.

VIII. **Design and Implementation of an Intelligent Virtual Instrumentation System for Vision based Object Sorting,** C. Chandra Mouli, **P. Jyothi** and K. Nagabhushan Raju, *International Journal of Advanced Scientific and* *Technical Research (IJAST)*, Issue 4 Volume 4, July-August 2014, pp. 545-556. **IF:** 2.94.

**NATIONAL**

1. **PC Based 4DOF Robot Arm Control Implementation by LABVIEW Software**, (**2012**), C. Chandra Mouli, **P. Jyothi,** K. Nagabhushan Raju andC. Nagaraja, *Journal of Lab Experiments*, Vol-12, No.1, March **2012**, pp.35-41, ISSN 0972-6055.
2. **Interfacing of Serco Motor for Angular Position Measurement Using ARM Processor Based Embedded System**, (**2013**), C. Chandra Mouli,

**P. Jyothi,** K. Nagabhushan Raju and C. Nagaraja,*Journal of Lab**Experiments*, Vol-13, No.1, March**2013**, pp.13-18, ISSN 0972-6055.

III. **LabVIEW Based Weighing Machine**, (**2013**), D. Hanumesh Kumar,

**P. Jyothi,** C. Nagaraja and P. S. S. Sushama,*Journal of Physics Education*,Vol. 29, No. 1. Jan - Mar **2013**, Article No. 5, ISSN 0970-5953.

**PRESENTATIONS/SEMINARS/GUEST LECTURES**

1. Presented a Research Paper entitled “**Recent Advances in** **Instrumentation Techniques to Use Embedded Systems**”in UGC, NewDelhi sponsored National Conference on Advanced Research Concepts in Physics (**2011)** held at Government College, Rajahmundry, Andhra Pradesh,

INDIA.

1. Presented a Research Paper entitled “**ARM Processor Based Wireless** **Robot Arm Control Implementing LabVIEW**”in UGC and SKUsponsored National Seminar on Emerging Materials and Technologies **(NSISKU-2012)** held by USIC and Department of Instrumentation, SriKrishnadevaraya University, Anantapur, Andhra Pradesh, INDIA.
2. National Seminar on **Wireless Networking & Communications,**

**WN&C’12** on 27th& 28thJanuary–2012 Sponsored by APSCHE & UGC andOrganized by Department of ECE, JNTUA College of Engineering (Autonomous), Anantapur, Andhra Pradesh, INDIA.

IV. Two day National Workshop on **Environmental Pollution and Impacts on** **Public Health and Agriculture (EPPA),** on 21st& 22ndFebruary–2012Sponsored by AP Pollution Control Board, Zonal Office, Kurnool and Organized by Department of Physics, Sri Krishnadevaraya University, Anantapur, Andhra Pradesh, INDIA.

**WORKSHOPS AS A TRAINER**

1. *Two Day Workshop on Embedded Systems* Organized by IETE StudentsForum [ISF], Sri Krishnadevaraya University College of Engineering and Technology on 1st and 2nd of November **2012** held at Sri Krishnadevaraya University College of Engineering and Technology, Anantapur, Andhra Pradesh, INDIA.
2. *Two Day Workshop on Microprocessors and Microcontrollers* Organized byEssence Technologies and Sri Krishnadevaraya University College of Engineering and Technology on 20th and 21st of December **2012** held at Sri

Krishnadevaraya University College of Engineering and Technology, Anantapur, Andhra Pradesh, INDIA.

1. *Workshop on Digital Design* Organized by Dept. of ECE & IETE StudentsForum [ISF], Sri Krishnadevaraya University College of Engineering and Technology on 11th of February **2012** held at Sri Krishnadevaraya University College of Engineering and Technology, Anantapur, Andhra Pradesh, INDIA.

IV. *Workshop on Embedded Systems* Organized by IETE Students Forum [ISF],Sri Krishnadevaraya University College of Engineering and Technology on 5th and 6th of November **2011** held at Sri Krishnadevaraya University College of Engineering and Technology, Anantapur, Andhra Pradesh, INDIA.

**DECLARATION**

I hereby declare that all the information stated above is correct and true to best of my knowledge and belief.

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| Place: Anantapur |  |
| Date: 30 March 2015 | Signature |
|  | (P.JYOTHI) |

