FACULTY PROFILE

Name: **Dr. P. PAVAN KUMAR**

Designation: **Associate Professor**

Teaching Areas: Programming with C, Object oriented programming
Distributed Systems, Data Structures,
Design and analysis of algorithms,
Computer Organization and Advanced Computer Architecture

Research Interests: Multi-core Architecture, Real-time systems, Data Visualization

Education:

- Ph.D., Computer Science and Engineering, JNTU, Anantapur, 2019
- M.Tech., Computer Science and Engineering, National Institute of Technology, Trichy, India,2011
- B.Tech., Information Technology, ACET, Allagadda, JNTU Hyderabad, 2008.

Research / Selected Publications:

1. **P. Pavan Kumar** et al." From Pixels to Pathology: The Power of CNNs in Detecting Tuberculosis", EAI Endorsed Transactions on Pervasive Health and Technology, ISSN: 2411-7145, Vol. 10, No. 3, (2024), USA.
2. ***P. Pavan Kumar,*** *Gomathy V, Anna Devi E, Shweta Sankhwar, Lakshmanaprabu SK, "*An Intelligent COVID-19 Classification Model using Optimal Gray-Level Co-Occurrence Matrix Features with Extreme Learning Machine". International Journal of Computer Applications in Technology, ISSN: 1741-5047, Special Issue, 2020.
3. B. Balakiruthigaa, **P.Pavan Kumar,** P. Deepalakshmia, Sachi Nandan Mohantyb, Deepak Guptac, K. Shankar "Segment routing based energy aware routing for software defined data center", Cognitive Systems Research,, ISSN: 1389-0417, Vol. 64, pp. 146–163, 2020.
4. Jatindra Kumar Dash, Gandham Girish, **P. Pavan Kumar**, E. Sudarshan, Achyuth Sarkar "Classification of Lung Tissue Patterns on HRCT Images: Nature of Region of Interest and Classifier Performance", International Journal of Control and Automation, ISSN: 2005-4297, VOL. 13, NO. 4, pp. 1184-1196, 2020.
5. Sudarshan E., K. Seena Naik and **P. Pavan Kumar**, "Parallel approach for backward coding of wavelet trees with CUDA", ARPN Journal of Engineering and Applied Sciences, ISSN: 1819-6608, VOL. 15, NO. 9, pp. 1094-1100, 2020.
6. Dr. E. Laxmilydia,**P.Pavan Kumar**,Vydarsi Sitarama Prasad,Chinmaya "Data Analysis and Prediction of COVID-19 Using Machine Learning Models", International Journal of Advanced Science and Technology, ISSN: 2005-4238, Vol. 29, No. 7, pp. 4512 - 4518, USA, 2020.