



Infogrex

Event Date: 19<sup>th</sup> December 2019

Academia-Research-Industry Collaborative Learning and Implementation of Industry Applications using **OpenPower AI**  
**by**

**School Of Information Technology, JNTUH**

Spend a day learning about Artificial Intelligence and gather the latest insights from pioneers in the industry, leveraging the POWER9 systems also used in the world's largest supercomputer. Learn about POWER9/OpenPOWER systems. Discover advances in AI tools and techniques. Learn how to use Power9 systems and PowerAI tools to do your AI projects. An introduction for everyone interested in using AI. Go deeper with those who have especially challenging projects.

**Chief Guest**

**Shri Jayesh Ranjan IAS**

Principal Secretary IT & Commerce Department Govt of Telangana  
Vice-Chancellor, JNTU, HYDERABAD

**Guest of Honours**

**Murali Bollu, President, HYSEA, Managing Director ZENQ**  
**Prof.N.Yadaiah, Registrar, JNTU, Hyderabad**

**Presided By**

**Prof A. Damodaram Director, School Of Information Technology, JNTUH**

**AI Learning Platform, Case Studies & Projects delivery by Infogrex Team**  
**Ganesan, Head IBM Open Power Academia-Research-Industry Collaboration**

**Event Location**

Director, School of Information Technology UGC Auditorium,  
JNTU Campus, Hyderabad

<http://bit.ly/jntuai>





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## 09.30 AM – 10.30 AM

- \* Inviting Guests on to the Dias and setting the context for today's program – **Ch Murali**, Director of Infogrex
- \* Inaugurating the event by Chief Guest and the other Guests
- \* Presiding over the event by **Prof Damodaram**
- \* Initiatives by Infogrex Technologies on Advanced AI applications - **Ram Mohan & Sharath**
- \* Declaring JNTU to be the OpenPower Foundation Member by **Jayesh Ranjan** and **IBM Head Ganesan**
- \* Guest of Honour remarks - **Prof Yadaiah**, Registrar and **Murali Bollu**, Hysea President
- \* Chief Guest addressing the event
- \* Vote of Thanks by **Supriya Sharma**, Associate Vice President - Business Development

**Dr. Dhableswar K Panda**, Professor and University Distinguished Scholar at Ohio State University, USA  
Lecture on Using AI HPC tools <http://www.cse.ohio-state.edu/panda>

## WORKSHOP AGENDA

- 10.30 - 10:45 Introduction
- 10.45 - 11.30 AI HPC tools from Ohio State University, USA by **Dr. Panda**
- 11.30 - 11:45 Driverless AI, H2O.ai, USA
- 11:45 - 12:15 AI and Watson by **Dr Mani**, IBM
- 12:15 - 13:15 Lunch along with Demonstrations - Working Lunch
- 13:15 - 14:00 Edge Computing Use Cases – Avnet Team
- 14:00 - 15:30 Run your DL model in Power9 server and deploy them in Jetson Nano
- 15:30 - 16:00 PowerAI vision Demo
- 16:00 - 16:30 Deepfake Experiences - IBM AI System
- 16:30 - 17.00 Q & A, Way Forward

## Solution Demonstrations

- Agriculture AI Applications detecting plant diseases image processing and classification
- Thyroid and Diabetic Drug dose predictor using Patterns and Patient behaviour
- Customer behaviour and Social media sentiment Analysis in Large restaurant chain business
- Health Care - Retinopathy Diabetics
- Develop Deep Learning Applications using IBM AI Systems
- Deploy at the Edge Devices (nVidia Jetson Nano)
- Retail - Face Recognition at Edge
- Develop Deep Learning Face Recognition application using IBM AI Systems

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