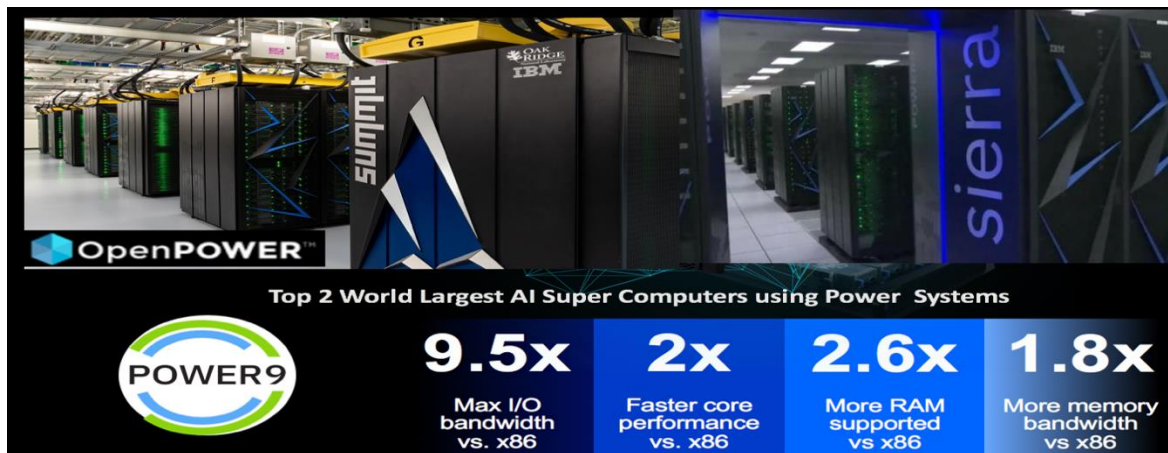


OpenPOWER Workshop, NIE, Mysore
Date: 5 days from March 5th to 9th , Venue NIE, Mysore



DAY 1

Time	Schedule
09:30 – 09:45	Welcome Address and Introductions
09:45 – 10:30	Power 9 Hardware and Software features
10:30 – 10:45	Break
10:45 – 11:30	Machine Learning and Deep Learning Concepts
11:30 – 12:15	Xilinx features and Edge Compute
12:15 – 01.15	Lunch
01-15 – 02.00	DL Train Resources
02.00 – 02.45	Build Tool Set and Process to create DLtrain
02:45 – 04:00	Use DL train to train ANN model and Inferencing
04:00– 04:30	Q & A and Follow up collaborations

DAY 2

Time	Schedule
09:30 – 09:45	Recap of Day 1
09:45 – 10:30	CUDA computing
10:30 – 10:45	Break
10:45 – 11:15	Driver Software Installation in Power AC922
11:15 – 12.15	Single Project using Power AC922 and GPU
12:15 – 01.15	Network Lunch with some product showcase by students
01-15 – 02.00	Install PowerAI in Conda Environment to use GPU
02.00 – 02.45	use GPU from Python Code
02:45 – 04:00	Other Use cases
04:00– 04:30	Q & A and Follow up collaborations

Day 3

Time	Schedule
09:30 – 09:45	Recap of Day 2
09:45 – 10:30	Watson Machine Learning (WML-CE)
10:30 – 10:45	Break
10:45 – 11:15	WML-CE Components (SnapML , RAPIDS , LMS , DDL)
11:15 – 12.15	Edge Compute and Its features
12:15 – 01.15	Network Lunch with some product showcase by students
01-15 – 02.00	SnapML for Generalized Linear Models
02.00 – 02.45	Hand on
02:45 – 04:00	Hands on
04:00– 04:30	Q & A and Follow up collaborations

DAY 4

Schedule
Object Detection Project development

DAY 5

Schedule
Retina Diabetics project development



Target Audience: Students, Faculties, Scientists, Industry teams and Developers

Advantages of Technical Workshop

Participating OpenPOWER workshops have positive impacts on IBM and partners' products as part of the OpenPOWER full stack .They offer an opportunity to develop new professional relationships, meet new technologist , gain knowledge and become more successful in developing a full stack AI , HPC and cloud solutions .

Reasons to Attend OpenPOWER Workshops:

- **Networking Opportunities**– Building new relationships and meeting new contacts is important to personal and business growth. Relationships with clients, speakers and vendors can help you gain knowledge from having meaningful conversations with them.
- **Learning new things** – Learning about new and more effective ways to accomplish things and gaining more knowledge about business subjects and concepts are all benefits of attending professional development workshops.
- **Becoming an Expert** – OpenPOWER workshop enables you to gain more expertise in your field and develop new ideas on ways to improve the AI, HPC solutions
- **Gaining Inspiration** – Meeting new people and learning new things often leads to great feelings of inspiration. You will want to share this new enthusiasm with your staff and peers.