



Tech Workshops @SJBIT

Department of Research & Development
SJB Institute of Technology, Bangalore

Distinguished Workshops – Winter 2017

Date:

27th December 2017

Wednesday

Time:

9.30 A.M – 4.30 P.M

Lunch Break:

1.00 P.M – 2.00 P.M

Venue:

Seminar Hall

**Library and Information
Center Block, SJBIT**

Address:

SJB Institute of Technology

BGS Health & Education City

Uttarahalli Main Road

Kengeri, Bangalore 560060

No Registration Fee

Contact:

Dr. K V Mahendra Prashanth

Chief coordinator, PG and R&D

Tel: 9739099707

Email:kvmprashanth@sjbit.edu.in

Ms. Shobha

Tel: 080- 28612445/6

Email: rshobha6@gmail.com

<http://www.sjbit.edu.in>

One day workshop on Artificial Intelligence / Deep Learning

Recent breakthrough in computer and data science give us the ability to timely analyze and derive immense value from that data. As the computing capability of the data centres is being distributed across the entire global network, the impact of artificial intelligence is significantly increasing; solving some of the world's most difficult problems. Applications of AI are being observed all around us, from the commonplace (talk-to-text, web searches, photo tagging, fraud detection) to the cutting edge (precision medicine, injury prediction, autonomous cars). Machine Learning is the development and application of algorithms to build and continually improve models from data. It allows computers to "learn" without being explicitly programmed. Encompassing compute methods like advanced data analytics, computer vision, natural language processing, semantic graphs, and machine and deep learning, AI is transforming the way businesses operate and how people engage with the world.

The topics covered during the workshop:

Introduction to AI, Intel AI E2E stack, Data Science, Big Data definitions, Data explosion, Introduction to ML, Different ML solutions, Practical applications of ML, Introduction to Deep Learning, CNN, RNN, FNN definitions, practical apps of DL, Introduction to Big Data analytics. Calligo Intelligent, Data Analytics, Platform features, architecture etc., Optimization techniques and MKL, MKL DNN, Intel distribution of Python, DAAL etc.,

Resource Persons:

Rajaraman Subramanian (aka Giri)

Co-founder and Technical Director, M/s. Calligo Technologies.

Mr. Rajaraman is having over 30 years of experience in establishing and leading Systems and Software Engineering companies. As a Technical Director at Calligo, he is responsible for R&D activities in the areas of HPC, HPDS and HPDA.

Prior to co-founding Calligo, Mr. Giri worked as Managing Director at Adaptec, India, Director of Engineering at EMC² and Unit Head of AMI-India.

Pranav Nair from M/s. Calligo Technologies has obtained M.Tech. in Computer Science and his area of interest are distributed filesystem Big Data analytics and AI framework.

Rakesh Madivi, M.Tech(IT), NIT-K from M/s. Calligo Technologies is presently working in the areas like Algorithms, Database, Cloud Computing Code Modernization, Intel Tools And Libraries, AI Tools & Libraries.