

IWADL 2019

<http://discovery.bits-pilani.ac.in/iwadl2019/>

INDIAN WORKSHOP ON APPLIED DEEP LEARNING

December 15-18, 2019



BITS Pilani, Vidya Vihar Campus, Pilani, Jhunjhunu-333031, Rajasthan, INDIA



Features:

- NO Prerequisites
- Researchers and faculties from premier institutions
- Extensive Lab and Practicum exposure
- Extensive study material
- Focus on problem solving and research
- For small batch of students.

ABOUT THE WORKSHOP:

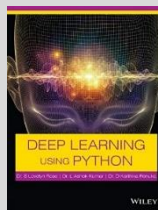
Department of Computer Science and Information Systems, BITS Pilani proudly announce “Indian Workshop on Applied Deep Learning (IWADL-2019)” at BITS Pilani, Pilani Campus, Rajasthan, India. The workshop targets motivated professionals, scholars at undergraduate/master/Ph.D. level and faculty members who want to pursue work in the area of advanced machine learning. Workshop will have intense lectures and hands-on sessions on both basic and advanced topics. The aim is to give exposure to recent advances in the area of deep learning to the participants.

Objective and Scope:

Due to the recent drift of technology and enhanced computation power (using GPU's) this new paradigm of deep learning based architectures got extensively explored. These architectures have been exploited by all communities to solve almost all types of computer vision as well as image processing problems. Algorithms have to be implemented over GPU enabled systems, so as to be optimized over very high dimensional parametric space. Recently, in all top-tier conferences like CVPR, ECCV, ICCV, NIPS, ICLR huge amount of work has been presented to exploit the power of CNN, RNN, Autoencoders, GANS and other related deep learning architecture to solve problem in the domain of Computer Vision, Image Processing, Speech Processing, NLP etc. This will be a practical oriented workshop which will cover extensive hands-on sessions on Deep Learning.

Workshop Topics:

- Basics of Machine Learning
- Perceptron and Neural Networks
- Convolutional Neural Networks (CNN)
- Object Detection and Localization
- Autoencoders and VAE
- RNN and LSTM
- Metric Learning and Siamese Network
- Generative Adversarial Networks (GAN)



Featuring **Dr. S. Lavelyn Rose** authors of the book 'Deep Learning using Python' of WILEY 2019 Edition as resource person

Speakers:

Prof. Santanu Chaudhury
IIT, Jodhpur

Prof. Chetan Arora
IIT, Delhi

Dr. Aditya Nigam
IIT, Mandi

Prof. Rahul Banerjee
LMNIT, Jaipur

Prof. Navneet Goyal
BITS Pilani, Pilani Campus

Prof. Yashvardhan Sharma
BITS Pilani, Pilani Campus

Dr. Ashutosh Bhatia
BITS Pilani, Pilani Campus

Prof. A P Singh
BITS Pilani, Pilani Campus

Prof. B K Rout
BITS Pilani, Pilani Campus

Dr. Kamlesh Tiwari
BITS Pilani, Pilani Campus

Registration:

Limited seats, first come first serve basis. **Fee** is as below:

Category	Early Registration	Late Registration
Regular Students	₹ 10000	₹ 14000
Faculty Member	₹ 12000	₹ 16000
Industry Participants	₹ 14000	₹ 18000
International Participants	USD 400	USD 500

Registration includes hostel accommodation and food (Breakfast, Lunch, Dinner and Tea/Snacks) during the sessions. Registration link is available on Workshop website <http://discovery.bits-pilani.ac.in/iwadl2019/>

Important Dates and Deadlines:

Registration Starts	15 Sept., 2019
Early Registration	10 Nov., 2019
Late Registration	22 Nov., 2019
Shortlist of Participants	25 Nov., 2019
Workshop Dates	15-18 Dec., 2019

Some more experts, from other premier institutions\Industry may also join.



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