

Organizing Committee

PATRON:

- Er. Sanjib Rout,
Chairman, C.V. Raman Group of Institutions
- Smt. Shailja Rout,
Managing Director,
SSEPL Skills Pvt. Ltd, Odisha

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- Prof. K.C Patra, Director, C.V. Raman College of Engineering, Bhubaneswar
- Prof. B. Bhattacharya, Princiaplal, C.V. Raman College of Engineering, Bhubaneswar
- Er. D. Mohapatra, Registrar, C.V. Raman College of Engineering, Bhubaneswar
- Mr. Sanjay Mohapatra, Vice President, CSI
- Dr. R.N.Behera, Chairman ,CSI Bhubaneswar Chapter

CONVENERS

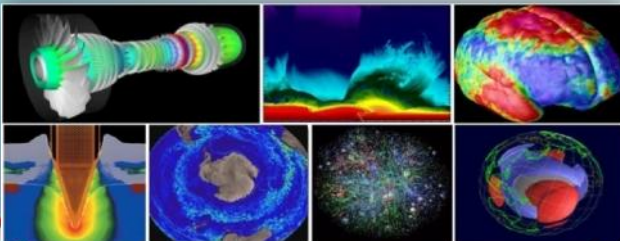
- Dr. R. Misra, HOD, Dept. of IT Engg, CVRCE
- Dr. B. Pati, HOD, Dept. of CSE, CVRCE

COORDINATORS

- Rojalina Priyadarshini, Asst. Prof. IT
- Shreela Dash, Asst. Prof. CSE

LOCAL ORGANIZING TEAM

- Amardeep Das, Asst. Prof. IT
- Debasis Mohanty, Asst. Prof. IT
- Bijayalaxmi Panda, Asst. Prof. IT
- Suwendu C. Nayak, Asst. Prof. CSE
- Swagat R. Sahoo, Asst. Prof. CSE
- Priyadarshini Nayak, Asst. Prof. CSE



FACULTY DEVELOPMENT PROGRAMME

on

“Deep Learning and Applications”

Registration Form

Name:(In Block Letters): _____

Institute/Organization: _____

Designation: _____

Address for Correspondence: _____

Email and Mobile No: _____

Accommodation: (Please Tick)

Student Hostel / Hotel / Not required

Food Habit (Please Tick): Veg / Non-Veg

Payment Details:

DD Number:

Bank Name:

Amount:

Date:

Signature:

TECHNICAL COLLABORATORS



C V RAMAN COLLEGE OF ENGINEERING

An Autonomous Institute under UGC

(ISO 9001:2008 Certified Institute,

Accredited by NBA & 'A' Grade by NAAC)

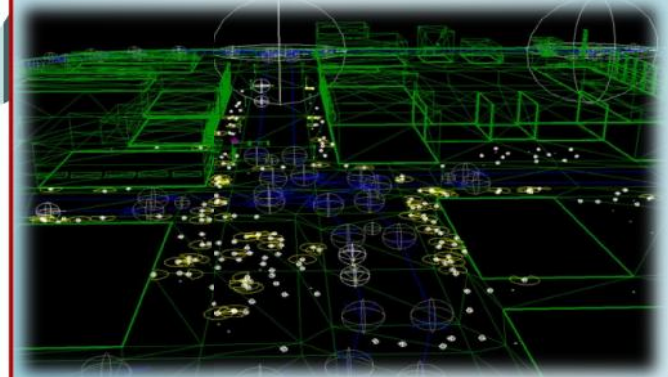
SPONSORED

FACULTY DEVELOPMENT PROGRAMME

on

“Deep Learning and Applications”

JULY 11 - 16, 2016



ORGANIZED BY

Dept. of Information Technology and
Computer Science & Engineering
C.V. Raman College of Engineering,
Bidyanagar, Mahura, Janla,
Bhubaneswar-752054

About C.V. Raman College of Engineering

C. V. Raman College of Engineering (CVRCE) extending over 100 acra of beautifully landscaped area, situated on the outskirts of Bhubaneswar, is a progressive Institution in Orissa, setup to promote the highest standards of technical education in the state. The Institute is approved by the AICTE. The Institute is also accredited by NBA and certifies to ISO9001:2008. The Institute is rated as "A" Grade Engineering College by NAAC and is affiliated to Biju Patnaik University of Technology. The college aims at educating the students to become not only competent professionals but also excellent human beings, who would contribute towards the welfare of the society and help in raising the quality of life of its people.

Outline and Objective of the Workshop

Deep learning is a class of machine learning introduced in the year 2006 that exploits many layers of non-linear information processing for supervised or unsupervised feature extraction and transformation, and for pattern analysis and classification. It is a set of algorithms in machine learning that tries to learn in multiple levels step wise in different levels of abstraction. Over the last few years computing services has reached to a new level by the use of data-driven approach to provide targeted services with optimized risk and performance. The current computing scenario emphasizes on implementation of specialized data analytic programs to handle large scale data. The deep learning mechanism facilitates various integrated operations on large scale data in order to compensate the shortcomings of traditional computing methods. As a result deep learning approach is gradually replacing traditional computing methods in various areas such as handwritten character recognition, speech recognition, lexical ordered speech synthesis, object and product recognition, image retrieval, content filtering, product visibility tracking, computational medical imaging etc.

Registration :

Applications in the attached format duly recommended / sponsored by the authority concerned in the applicant's organization along with the filled in registration form should reach the coordinator by post / email (fdpdl2016@gmail.com).

Registration by 4th July 2016

- Students Rs. 200.00
- M.Tech/ Research Fellow/ Faculty Rs. 600.00

(Registration fee does not include accommodation)

Payment Details

Please send registration fee by Draft / Cash and filled in registration form to –

Ms. Rojalina Priyadarshini, Asst. Prof. Dept of IT
Ms. Shreela Dash, Asst. Prof. Dept of CSE
C.V. Raman College of Engineering,
Bidyanagar, Janla, Mahura,
Bhubaneswar-752054, Odisha, India

- DD to be made in favour of "C. V. RAMAN COLLEGE OF ENGINEERING", payable at "BHUBANESWAR"
- Accommodation in College Hostel may be arranged with prior intimation on payment basis.

Tentative Speakers

- Prof. Ashish Ghosh , IISC, Kolkata
- Prof. Debdoot Sheet , IIT KGP
- Prof. Sudarshan Padhy, Retired Prof. IMA
- Prof. Pratap K. J. Mohapatra, IIT, Bhubaneswar
- Dr. Debi Prosad Dogra , IIT, Bhubaneswar
- Dr. Tanushyam Chattopadhyay, Sr Scientist, R & D, TCS, Kolkata
- Snehasis Banerjee , R & D, TCS, Kolkata

Program Schedule

- Overview of Machine Learning algorithms.
- Applications and Research scopes in Machine Learning
- Introduction to Deep Learning.
- Deep Neural Networks (DNNs)
- Algorithms, Concepts & Architecture
- Applications and research scopes in Deep Learning
- Singular Value Decomposition
- Extreme learning machines
- Applications of ELM
- Support Vector Machine
- Kernel Based Methods
- Applications to Kernel methods
- Computer vision and Augmented Reality
- Technical Paper Writing

Contacts for More Information

- **Dr. R. Misra**, Professor and Head, Dept of Information Technology, (91-94384 85177)
- **Dr. B. Pati**, Head, Dept.of Computer Science & Engg. (91-8895033020)

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