

TEQIP-III

sponsored

One Week Workshop

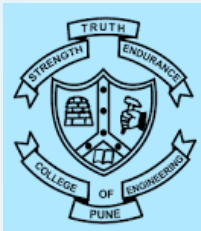
On

**AI and Deep Learning with
Hands-on**

(December 19th to 23rd, 2018)

Organized by

**Department of Computer Engineering
and Information Technology,**



College of Engineering Pune (COEP)

**Wellesly Road, Shivajinagar,
Pune- 411005**

In Association with



ABOUT COEP:

College of Engineering, Pune (COEP) established in 1854 is a nationally respected leader in technical education. Institute runs nine Under Graduate, twenty three Post Graduate and Ph.D. programmes. In 2003, the college got autonomous status, thus giving it the freedom to set its own curricula and manage its own finances. This has been the biggest change as far as pedagogy at COEP is concerned. COEP vision to be a Value based Globally Recognized Institution ensuring academic excellence and fostering Research, Innovation and Entrepreneurial Attitude. It has embark on its journey with five main core values of Strength, Truth, Endurance, Ethics, Reverence for All (STEER). COEP is a top-tier Institute in India that boasts a 162 year culture of academic excellence, scientific breakthroughs, and high-tech innovation.

ABOUT DEPARTMENT OF COMPUTER ENGINEERING AND INFORMATION TECHNOLOGY :

The Department of Computer Engineering and Information Technology is the youngest department, established in 1992, has produced several outstanding engineers and technologists. Their work has brought fame and laurels to the department, to the college, and the country. The Department of Computer Engineering and IT celebrated its Silver Jubilee year in academic year 2016-17. The department is having close interaction with various industries, R&D organization and higher learning centre of education in and around Pune. The department has research in the area of Machine Learning and

Data Mining, Cloud Computing, Virtualization, Graphics and Visualization, Network Security, Information Security, AI and Natural Language Processing. Department is accredited by National Board of Accreditation (NBA) for five years.

ABOUT THE WORKSHOP:

The Royal Academy of Engineering, UK under Newton Bhabha Fund has approved a nation wide initiative on "AI and deep learning Skilling and Research". University College, London, Brunel university, London and Bennett University, India are collaborators of the project. NVIDIA and AWS Educate, Videoken and Edvantics are industry partners. The initiative got further boost when AICTE saw great merit in the initiative and has recommended all of its 10000 approved institutions to associate with the project.

College of Engineering Pune got associated with the project as Zonal partner. This workshop is organized in association with Bennett University along with Nvidia.

ABOUT BENNETT UNIVERSITY:

Bennett University, a state private university in Uttar Pradesh launched with the aim of providing Ivy League quality of education to undergraduate and postgraduate students making them, 'life and career ready'. Bennett University located at Greater Noida, commenced its operations on 08 Aug 2016 under Legacy - The Times Group. The University fosters a proactive environment of Innovation and Entrepreneurship, while enhancing skills in all areas of higher education through the internationally acclaimed Centers of Excellence such as Centre for Innovation & Entrepreneurship (CIE) and Centre of Executive Education (CEE).

THE OBJECTIVE OF AI AND DEEP LEARNING SKILLING AND RESEARCH PROJECT

- To make cutting edge skills and supercomputing infrastructure available to the wider community of academicians and researchers through a thoughtfully created network of approximately 10 collaborators and 100 lead institutions across India.
- To initiate, sustain and nourish research groups in Artificial Intelligence. Based on the additional resource commitments by respective institutions, some of them can grow as a good research center.
- To motivate the learner community for exploiting the potential of start-ups and innovations in this area and connecting them with the real-life problems of industry.

Overall it will enhance the content, quality, capacity and collaboration of Indian Engineering education ecosystem.

About Project: <https://leadingindia.ai/>

WORKSHOP TOPICS

- Basic Statistics required in Machine Learning
- Hypothesis Testing
- Introduction to Git with Hands-on
- Basic Introduction to Tensorflow with Keras
- Foundation of Deep Learning
- Machine Learning Basics
- Designing & Optimizing Neural Network Model
- Deep Learning Hacks
- Convolutional Neural Network
- Recurrent Neural Network
- Advanced Learning Topics
- Hands-on:
 - Image Classification with DIGITS
 - Object Detection with DIGITS
 - Azure Notebook on CNN Transfer Learning and Auto Encoders

PATRONS

Prof. B. B. Ahuja, Director, COEP
Prof. B. N. Chaudhari, Deputy Director, COEP
Prof. M. S. Sutaone, Dean Academics, COEP
Prof. D. W. Pande, Dean R& D, COEP
Prof. S. L. Patil, Dean Student Affair, COEP
Prof. M. J. Rathod, Dean Alumni, COEP
Prof. R. R. Joshi, Dean Quality, COEP

TEQIP-COORDINATOR

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COORDINATOR

Dr. Yashodhara V. Haribhakta

CO-COORDINATOR

Prof. Suraj T. Sawant

RESEARCH GROUP

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ADVISORY GROUP

Prof. M. S. Sutaone, Dean Academics, COEP
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ORGANIZING TEAM:

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IMPORTANT DATES:

Workshop Dates :19th to 23rd December, 2018

REGISTRATION

For details of workshop visit upcoming events on website -www.coep.org.in

For registration visit:

<https://leadingindia.ai/register>

Free registration for Collaborator, Zonal and Basic Partners with coupon code.

For Others:

Industry personnel - INR.7500 + 18% GST *

Faculty/Student from Academic Institutions -

INR.7500 + 18% GST

*Please refer to Point to Note on website

After registration is done, fill the information at the following link: <https://tinyurl.com/AI-DL2018>

ACCOMMODATION

Accommodation will be provided to outstation participants in COEP hostel with minimum charges depending on availability .

CONTACT FORACCOMMODATION:

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FOR FURTHER DETAILS:

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