



# Webinar on Deep Learning: Discriminative and Generative Models (October 23-24, 2021)

Organized by:

Department of Computer Science and Engineering  
Rajiv Gandhi University  
(A Central University)  
Doimukh, Arunachal Pradesh- 791112



Address For Communication



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## About The Webinar

Deep Learning is now a days prominent research area which are widely used in research works in academia as well as industrial research. Deep Learning is widely used into various sectors like e-commerce, image and video processing, speech recognition, NLP, health sector and smart education etc. to solve real world industrial and research problems. In this, 2 days program basic concepts of Deep learning based Discriminative and Generative models and its implementation to solve real world and research problems will be discussed.

### Course Contents:

The outlines of major topics covered by training program is as followed.

1. Neural Network Basics
2. Discriminative Model
3. Optimization
4. Regularization: L1, L2, Dropout
5. CNN Models: LeNet, VGG, ResNet
6. Generative Deep Model
7. Variational auto-encoder (VAE)
8. Generative Adversarial Network (GAN)

## About the Institute

Rajiv Gandhi University (A central University) (formerly Arunachal University) is the premier institution for higher education in the state of Arunachal Pradesh and has completed thirty-six years of its existence. Late Smt. Indira Gandhi, the then Prime Minister of India, laid the foundation stone of the university on 4th February 1984 at Rono Hills, where the present campus is located. Ever since its inception, the university has been trying to achieve excellence and fulfil the objectives as envisaged in the University Act. The University received academic recognition under section 2(f) from the University Grants Commission on 28<sup>th</sup> March, 1985 and started functioning since 1<sup>st</sup> April, 1985. It received financial recognition under section 12-B of the UGC on 25th March, 1994. Since then, Rajiv Gandhi University then Arunachal University has carved a niche for itself in the educational scenario of the country following its selection as a university with potential for excellence by a high-level expert committee of University Grants Commission from among universities in India. The University was converted into a Central University with effect from 9th April 2007, according to a notification by the Ministry of Human Resource Development, Government of India.

## About the Department

The Department of Computer Science and Engineering, Rajiv Gandhi University, was established in 2005, with a diploma course of one-year duration, and a three-year undergraduate course, Bachelor of Computer Applications (BCA). The department now offers BCA, MCA, M. Tech. as well as Ph.D. programs. The department is running several sponsored projects from the government organizations. The faculty members are specialized in diverse fields, like Speech and Signal Processing, IoT, Machine Learning and Data Science, Networking and Network Security. The department is providing an outstanding research environment for the researchers and offers academic program leading to the award of M. Tech. and Ph. D. degree.

## Digital Certificate

**Minimum 80% attendance and the Test/Assignment submission is mandatory for getting a participation E-certificate.** On completion of the programme, participants will be awarded an E-Certificate of participation

## Resource Persons

Distinguished and well-experienced faculty members/scientists from reputed organizations (IITs/ NITs/ Universities/ Research Organizations/ Industries) will be the resource persons for this Faculty Development Program. The detail program schedule along with list of topics and respective resource person will be communicated after the selection of participants.

## Eligibility

The faculty members of the UGC/AICTE approved institutions, Research scholars, PG Scholars, participants from Government, Industry (Bureaucrats/ Technicians/ Participants from Industry, etc.) /staff of host institutions Selection of the participants will be based on the first come first serve basis.

## How To Apply:

**There is no registration fee, the webinar is free. Number of participants is limited to 100.** Webinar on Deep Learning: Discriminative and Generative Models

Dated of Webinar: **23 Oct. 2021 to 24 Oct 2021** (2days),

Link for Registration:

<https://forms.gle/XuMGy6VXWK6ZKtMP9>

Last date of Registration: 22 October, 2021

- ◆ No registration fees
- ◆ Registration is required to attend the webinar
- ◆ Since session is hands-on, so participants should attend the session with proper configuration laptop.
  - TOTAL seats: 100 (Selection in first come first serve basis. Selection and WhatsApp group link will be intimated through e-mail.)
  - E-Certificate will be issued to participants, who have attended the program with minimum 80% attendance.