

APPLICATION FORM

AICTE Training and Learning(ATAL)
Faculty Development Program

on

Next-Generation Applications of Artificial Intelligence and Machine Learning for Smart IoT Applications (NxGA-AIM 2021)

18th Oct – 22nd Oct 2021

Name: _____

Title/Position: _____

3.Organization: _____

4. Contact Address: _____

5. Email: _____

6.Phone(s): _____

9.Areas of Interest: _____

Signature of the
Head of the Institution
with seal

Applicant's
Signature

Chief Patron

Dr. Mohan Manghnani

Chairman

New Horizon Educational Institution, Bengaluru

Patron

Dr. Manjunatha

Principal

NHCE, Bengaluru

Advisory Committee

Dr. Amarjeet Singh

Prof & Dean – Academics, NHCE, Bangalore

Dr. Girija N Srinivasalu

Director, QASDC, NHCE, Bengaluru

Convener

Dr. Sanjeev Sharma

Prof & HoD – ECE, NHCE

Organizing Secretaries

Dr. A. B. Gurulakshmi

Asso. Prof, ECE

Organizing Coordinator

Dr. G. Rajesh

Sr. Asst. Prof, ECE

Organizing Committee

Dr. B. V. Santhosh Krishna

Sr. AP, ECE

Mr. Ashok K

Sr. AP, ECE

Meeting Link

[https://us06web.zoom.us/j/6446805656?](https://us06web.zoom.us/j/6446805656?pwd=UE5GVUtISGo0b0hOdXFqT1BBbS8vdz09)
[pwd=UE5GVUtISGo0b0hOdXFqT1BBbS8vdz09](https://us06web.zoom.us/j/6446805656?pwd=UE5GVUtISGo0b0hOdXFqT1BBbS8vdz09)

NEW HORIZON
COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA
New Horizon Knowledge Park, Ring Road, Bellandur Post, Bengaluru 560 103



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18th Oct – 22nd Oct 2021

Organized by
**Department of
Electronics & Communication
Engineering**

Venue
**New Horizon College of Engineering,
Bengaluru**

ABOUT NEW HORIZON COLLEGE OF ENGINEERING (NHCE)

New Horizon College of Engineering (NHCE), established in 2001, a unit of the New Horizon Educational and Cultural Trust, offers quality education in both Engineering and Management programs. The college is permanently affiliated to Visvesvaraya Technological University (VTU), approved by the All India Council for Technical Education (AICTE), New Delhi. NHCE has the prestigious accreditation of NBA, NAAC with 'A' Grade and ISO 9001:2008 certified Institution. Our college has also reached one more milestone by achieving Autonomous Status from the Academic Year 2015-16 by VTU and Government of Karnataka.

About Department

The Department of Electronics and Communication is accredited by the National Board of Accreditation (NBA). The field of Electronics and Communication Engineering is one that offers a whole new world of exciting challenges and opportunities. The Department has interactive classrooms and laboratories with latest equipment for students to experiment. The Department also offers the VTU research center for Ph.D. and M.Sc. (Engg.), by research.

ABOUT ATAL

AICTE Training and Learning (ATAL) Academy will plan and help in imparting quality technical education in the country. ATAL support technical institutions in fostering research, innovation and entrepreneurship through training. ATAL provide a variety of opportunities for training and exchange of experiences.

KEY TOPICS

Day 1

1. AI and its current status challenges
2. Probabilistic Reasoning and Artificial Intelligence
3. AI: Search methods – Uniformed/Blind Search and informed Search

Day 2

1. Introduction to Regression Technique
2. Bayesian Network using Python
3. Heterogeneous Computing for Natural Language processing with Python

Day 3

1. Computer Vision Using AI with Python
2. Tensor flow 2.0
3. Introduction to LabVIEW Focusing AI

Day 4

1. Supervised Learning using LabVIEW – Neural Network Classifier – Waveform Shape Identification
2. Unsupervised Learning using LabVIEW – K-Means Clustering – Image Segmentation
3. Introduction to Deep Neural Network – LabVIEW

Day 5

1. Deep learning with PyTorch – hand written character recognition on MNIST Dataset using DNN – LabVIEW
2. Recent Machine Learning application to IoT
3. Program Evaluation Test

ELIGIBILITY

This training programme is open to AICTE approved Engineering Colleges faculty members of ECE and allied Engineering branches. Research scholars working in the AI field. Basic Science department can also attend the same

RESOURCE PERSONS

Professors from reputed Institutions along with experts from industries will handle the training programme

REGISTRATION

No registration fee for faculty members from AICTE approved Institutions. Application in the attached form should be sent to the coordinator. All shortlisted candidates are required to confirm their participation in training program without fail. Note: The certificate and supporting material for the training will be issued to the candidates who secure minimum 80% of attendance and 60% of pass mark in the Program Evaluation Test.

IMPORTANT DATES

Last date for receiving scanned registration forms through e-mail is 16.09.2021.

ADDRESS FOR COMMUNICATION

ATAL NxGA-AIM 2021 Faculty Development Program

Department of Electronics and Communication
Engg. New Horizon College of Engineering,
Bengaluru.

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