

ELIGIBILITY

The FDP is interdisciplinary and is open to all the faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government, Industry (Bureaucrats/Technicians/Participants from Industry etc.).

HOW TO APPLY

Registration is required for participating in this course. Applicants can fill the registration form only in **online mode** available at <https://atalacademy.aicte-india.org/login>

Last date for receipt of Application: **15.11.2020**
Date of Intimation regarding final Selection: **18.11.2020**

ADDRESS FOR CORRESPONDENCE

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REGISTRATION

There is no registration fee for the FDP. The FDP will be conducted through online mode. The certificates shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test.

CHIEF PATRON

Dr. Sehijpal Singh

(Principal, GNDEC)

Convener

Dr. Kiran Jyoti, HOD (IT)

Coordinators

**Dr. Akshay Girdhar,
Professor (IT)**

**Dr. Amit Kamra,
Asstt. Prof (IT)**

AICTE Training and Learning (ATAL) Academy Sponsored Faculty Development Program



Augmented Reality/Virtual Reality (Online Mode)

Nov, 23, 2020- Nov, 27, 2020

Organized by

**Department of Information
Technology
Guru Nanak Dev Engineering College
Ludhiana, Punjab-141006**

**Email: kamra.gne@gmail.com
Contact: -98142-29753**

ABOUT THE INSTITUTE

Guru Nanak Dev Engineering College (GNDEC), Ludhiana is one of the oldest and a premier Engineering Institute of India straining persistently in the field of education by comprehending the need for up-liftment of rural youth in highly competitive, technologically elevated society and understanding the thirst for knowledge of students and quenching it in general. The foundation stone of the college was laid by Honorable Dr. Rajendra Prasad Ji, President of India on 8th April, 1956. The institution runs seven B.Tech., thirteen M.Tech., MBA and MCA besides being a QIP centre for Ph.D.

The College is affiliated with I.K. Gujral Punjab Technical University (IKGPTU). The College STCs are approved by All India Council for Technical Education, New Delhi. This is the first Engineering College of Punjab, which was conferred Autonomous Status by University Grants Commission(UGC), New Delhi in 2012 under section 2(f) and 12(B) of UGC Act 1956. Institution is accredited by National Assessment and Accreditation Council (NAAC) (A Grade) and TCS. The institute is set up on 88 acres of sprawling pristine land on Ludhiana-Malerkotla highway in Punjab.

ABOUT THE DEPARTMENT

The department of Information Technology in Guru Nanak Dev Engineering College, Ludhiana was established in 2001. The mission of the Department of Information Technology is to impart high quality post graduate and undergraduate education and carry out leading-edge research in the discipline of Information Technology. The department currently runs academic program leading to the award of B.Tech. in Information Technology degree of I.K.G Punjab Technical University Jalandhar. The B.Tech (IT) program of department has been accredited twice by the NBA.

ABOUT FDP

This Short Term Course is aimed at giving Faculty, Research Scholars and Students an in-depth understanding of terminologies and the core concepts behind Virtual reality, architecture, virtual hardware and software, applications, and hands-on training using state of the art tools, and will equip the participant with the skills necessary to apply these tools and techniques to solve complex scientific and business problems. The specific topics include VR introduction, 3D computer graphics, geometric modeling, virtual environment, VR hardware & software, and VR applications. This course is organized under AICTE Training and Learning (ATAL) Academy Program.

MAJOR COURSE CONTENTS

- Introduction to AR & VR, History
- Overview of AR/VR with Real Applications
- Hands-on session on AR/VR Tools
- Introduction to Unity Architecture
- Unity Software Installation, Configuration,
- Working Environment in Unity

RESOURCE PERSON

Eminent Speakers from

- IKGPTU, Jalandhar
- NITTTAR Chandigarh
- CDAC Mohali
- Thapar Univ. Patiala
- UIET, Chandigarh.
- GNDEC , Ludhiana
- IIT Ropar

will be handling the sessions.