

ABOUT ATAL

AICTE is committed for development of quality technical education in the country by initiating various schemes launched by Govt. of India, Ministry of Human Resource Development. Council understands that there is a need of the day to train the young generation in skill sector and having faculty & technicians to be trained in their respective disciplines. It was felt that Training with latest tools and technologies is vital to keeping an institute competitive and more productive. Training is required for increasing the knowledge and skills of students to make them more employable to acquire global competencies. It also transforms them to harmonize with society and most importantly to make them a good citizen of the country. Accordingly, it was decided to the opening of AICTE Training and Learning (ATAL) Academy. As a part of its activities, AICTE Training and Learning (ATAL) Academy Kerala will conduct this programme from 8 to 12 November, 2021 at Department of Mechanical Engineering, Sree Buddha College of Engineering, Pattoor, Alappuzha -690529

COURSE CONTENTS

Introduction to Augmented and Virtual Realities in Mechanical Engineering
Introduction to AR, VR, MR, XR, VR&AR Application Areas (Industries/Training, Gaming, Entertainment, Automotive, Aerospace Industries), Video Demonstration, AR and VR Technologies -Empowering Educators and Learners.
Google Cardboard: effective and low cost device for virtual reality visualization
Real-world Applications of Augmented Reality Platforms & Modeling of various AR/ VR applications using UNITY 3D
Hands on training for Developing 2D Game (Angry Birds) using Unity 3D
Hands on Training, with advanced Vuforia AR concepts in Unity 3D
Augmented Reality in virtual training and Remote assistance
Experimental Teaching & Learning using AR and VR Technology
Android based AR App Development Tools in Unity: Demonstration and Hands on AR App Development Projects in Unity, Introduction to Haptic Devices
Happiness in Curriculum Yoga

ELIGIBILITY

Faculty members from relevant disciplines working in AICTE approved Institutions.

INFORMATION TO THE PARTICIPANTS

- + Faculty members, Ph.D. Scholars, PG Students of AICTE affiliated educational institutions are eligible to participate
- + The FDP will be conducted through Online mode only.
- + The platform and details for attending the session will be informed in due course
- + Maximum of 100 participants are allowed for registration based on First come First serve basis.
- + There is no registration fee for the course.
- + Registration, Feedback, Certificate issue will be managed through AICTE ATAL Portal.
- + On successful completion of the course with minimum 80% of attendance and score in the final assessment, a digital participation certificate will be awarded by the ATAL Academy.

ONLINE FDP GUIDELINES

- + Feedback and quiz link will be shared only in the chat box of platform used at the end of the session
- + Attending all the sessions and submitting the feedback on all sessions by the participants is mandatory.
- + A quiz will be conducted at the end of each session of FDP consisting of questions from that particular session.
- + Certificates will be issued to the participants who attend all the sessions.

ADDRESS FOR CORRESPONDANCE

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SREE BUDDHA COLLEGE OF ENGINEERING

Nooranad | Pattoor P.O | Alappuzha

Approved by AICTE, New Delhi

& Affiliated to APJ Abdul Kalam Technological University
DEPARTMENT OF MECHANICAL ENGINEERING



Five Days ATAL Sponsored Online FDP on Augmented Reality & Virtual Reality in Mechanical Engineering



REGISTRATION PROCESS

No Registration Fee

Participants interested to attend this FDP need to complete the online registration using the following link

Application No:1613640694

<https://atalacademy.aicte-india.org/signup>

<https://atalacademy.aicte-india.org/login>

RESOURCE PERSONS

Resource Persons from Academic Institutions and reputed Industries will deliver lectures on AR/VR Technology and its Application in various domains.