Sant Baba Bhag Singh
UNIVERSITY
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# DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

# SHORT TERM COURSES

## CERTIFICATE IN ARTIFICIAL INTELLIGENCE

This course will provide a broad understanding of the basic techniques for building intelligent computer systems and an understanding of how AI is applied to problems. In this Artificial Intelligence (AI) course, students will learn about the history of AI, intelligent agents, state-space problem representations, Semantic Web, entimental Analysis and Deep Learning. Hands on experience will be gained by building a basic search agent

| DURATION | BATCH START DATE | COORDINATOR |
|---|---|---|
| 2WEEKS | 21TH OCTOBER 2019 | DR. VIJAY RANA |

## Certificate in Artificial Intelligence

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| Course Name Name | Course Code | Duration | Batch Timings | Tentative Batch Start Date | Course Coordinator |
|---|---|---|---|---|---|
| Certificate in Artificial Intelligence | CSAC101 | 2 Weeks | Weekdays batch timing: 05:00 PM – 07:00 PM (Monday to Saturday) Weekend batch timing: 10:00 AM to 01:00 PM (Sundays) | 21th October 2019 | Dr. Vijay Rana, Mobile;8894757809 E-Mail: vijay.rana93@gmail.com |

## Eligibility:

BE/BTech/BSc (IT)/Computer Science/Electronics), BCA, MCA, M.Sc(IT), 3 year Diploma (IT/Computer Science/Electronics), Degree holders with PGDCA Or equivalent of any of these having good computer programming knowledge.

## Prerequisites

Students are required to have some basics of Python programming and an understanding of probability. The course offers an excellent opportunity for students to dive into Python while solving AI problems and learning its applications.

## Course Fee:

Not Applicable

## Course Duration information:

2 weeks (02-03 hours per day)

## Course Syllabus

**Week 1:** Introduction to AI, history of AI, Intelligent agents, Semantics, Adversarial search, Games, Python programming, Machine Learning: Basic concepts, advanced models, neural networks,

**Week 2:** Propositional logic and first order logic, AI applications (NLP), Supervised learning, unsupervised learning and reinforcement learning, Sentimental Analysis & Deep Learning

## Course Outcome

This course is designed in synchronization with the industry to provide the participants in-depth knowledge and skills required by AI fields around the globe. It provides comprehensive knowledge about the fundamental principles, methodologies and industry practices in AI.

# REGISTRATION FORM
# 2 Weeks Short Term Course
# on
# Artificial Intelligence

October, 2019

Name _____

Date of birth _____ Designation _____

Organization _____

Address for correspondence _____

_____

_____

Phone _____ Fax _____

Email _____

Signature of applicant

**VENUE**

Block No:7, Lab-3, Sant Baba Bhag Singh University, Jalandhar, Punjab, India.

**Address for Communication**

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