Course Name: Certificate course on the Introduction and Scope of Artificial Intelligence (30hrs)

Date: 25th June, 2021 – 2nd July, 2021

Curriculum/Course Outline:

Module 1: (12 hrs)

- History of AI
    - What is Artificial Intelligence?
    - Technology before Artificial Intelligence
    - Changes after Artificial Intelligence
- Introduction to Artificial Intelligence
    - Definition of Artificial Intelligence
    - Problems and Progresses
    - Programming Without and With AI

Module 2: (9 hrs)

- Intelligent Systems
    - Description of Intelligence
    - Types of Intelligence
    - Distinction between machine and human Intelligence

Module 3: (4hrs)

- Current Impact of Artificial Intelligence
    - Major Milestones
    - Impact on Scientific Community
    - Impact on Research industry

Module 4: (5hrs)

- AI Research Areas and opportunities

- o Description of fields related to Artificial Intelligence
- o Techniques: perception and action
- o Techniques: cognition
- o Artificial Intelligence Issues
- o Regulation and organization issues
- o Artificial Intelligence and jobs

ASSESSMENT PROCEDURE:

Assessments are done through viva-voce, quizzes and presentation. All students successfully completed the course for the given year.

SUMMARY REPORT WITH OUTCOME:

This certificate course of 30 hrs is intended to provide the students basic information about the history of artificial intelligence, introduction to artificial intelligence, what are the impacts of AI in scientific and research community. Intelligent system is also covered which is the base of any AI applications. Opportunities and jobs created after AI were also discussed with the students. 67 students enrolled in this course. After this course students would be able to decide whether to opt for field intended to AI.

CSD

SLC (University of Delhi)
Shyam Lal College

Center for Skill Development (CSD) &

IQAC

present

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Modules to be Covered

◈ **History of AI**
◈ **Introduction to Artificial Intelligence**
◈ **Intelligent Systems**
◈ **Current Impact of Artificial Intelligence**
◈ **AI Research Areas and opportunities**

◈ *Date: 25th June, 2021 to 2th July 2021*

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