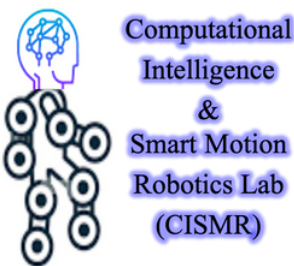# Three Week Summer Research Internship Program

On

Computational Intelligence & Robotics (CIR23)

10 -30 July 2023

Organised by
Computational Intelligence & Smart Motion Robotics (CISMR) Lab

Computational Intelligence & Smart Motion Robotics Lab (CISMR)

Department of Computer Science and Engineering

NATIONAL INSTITUTE OF TECHNOLOGY DELHI
Plot No. FA7, Zone, P1, GT Karnal Rd, Delhi, 110036

Supported By-

About The Program

The summer internship program is designed for understanding and implementing Artificial Intelligence and Machine Learning techniques in different techniques.
The Internship will provide the participants with an in-depth understanding of various AI and ML Techniques and Their programming implementation.

Patron
Prof. (Dr.) Ajay K. Sharma
Hon. Director, NIT Delhi

Advisor
Prof. Geeta Sikka,
HOD , CSE , NIT Delhi

Coordinator:

Dr. Chandra Prakash
Department of CSE , NIT Delhi

Important Dates
Last Date of registration - 8th July

Project Evaluation - 30th July

Projects

1- Bipedal Robot Walking planning using Computer Vision

2- Identification of Correct pose in Exercise

3- Robotic arm control using computer vision /flex sensor.

4- Exploration of music therapy on Mental health.

5- Robot motion control in unconstrained environment using Computer Vision.

6- Foot pressure analysis using Machine Learning.

7- VR simulation using Computer Vision.

8- 3D modelling of walking person using Computer Vision.

Schedule

Days	Session-1	Session-2
10-July	Intro to ML techniques	Intro to python
11-July	Feature Engineering in ML	Hands On Project Discussion
12-July	Traditional Computational Techniques	Hands On
13-July	Artificial Neural Network	Hands On
14-July	Intro To Robotics	Hands On

2nd & 3rd Week : Project Devlopment

Registration Link

FREE REGISTRATION

Seats are limited. Register Fast

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