

## Short-Term Course

on

### Computer Vision- the Artificial Intelligence for an Eye

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#### Organized By

Pattern Analysis and Machine Intelligence Lab  
Discipline of Computer Science & Engineering  
Indian Institute of Technology Indore  
Indore-453552, INDIA

#### Course Coordinator

Dr. Surya Prakash  
Associate Professor & Head  
Discipline of Computer Science & Engineering  
Indian Institute of Technology Indore  
Indore-453552, Madhya Pradesh, INDIA  
Phone: +91 731-2438700 (Ext-524)  
Email: [surya@iiti.ac.in](mailto:surya@iiti.ac.in)

#### Overview of the proposed course:

This short-term course will mainly focus on discussing the advanced topics of Computer Vision which is a subset of mainstream artificial intelligence that deals with the technology of enabling computers or machines in general to see; and analyze and interpret what they see.

#### How will this short-term course benefit teachers?

Computer Vision is a subset of mainstream artificial intelligence. Due to huge applications of artificial intelligence in solving day to day life problems, it has gained tremendous importance in developing technologies where computer needs to see the surroundings and take decisions accordingly. The computer vision combines theory and technology for building of artificial systems for image interpretation or multi-dimensional data. This course will enable participants to learn basics as well as advanced topics necessary for developing vision based artificial systems. The course will also provide hands-on training to participants to enable them to correlate theory with practice.

#### Intended Participants (Who can attend?):

The teachers of the AICTE approved Engineering Colleges are eligible under this scheme. Faculty members from the streams such as Computer Science, Information Technology and Electrical / Electronics & Communication Engineering and other related streams can apply under this program. The seats are limited, which would be filled on first come first serve basis and the candidate's field of research interest. Participants other than teachers of AICTE approved colleges (students and participants from industry etc.) can also attend the course by paying a fee.

#### Selection Procedure:

Seats are limited and will be filled on First-Cum-First-Serve basis.

For any query, drop an email to [surya@iiti.ac.in](mailto:surya@iiti.ac.in)

#### How to apply?

To apply, please [click here](#).

Alternatively, copy the link given below and paste it in your browser window to open the registration page.

<https://forms.gle/qQxZaaFNd17T45iC8>

#### Course fee:

- 1) Faculty member from AICTE funded Institutes: Rs. 1,000/- (Caution money, Refundable)
- 2) Others: Rs. 3,000/- (Non-refundable)

#### Travel & Accommodation :

For all selected candidates' accommodation and local hospitality will be provided in student's hostel (guest rooms). Selected candidates (teachers from AICTE funded institutes) will be entitled for to- and- fro III AC railway fare by shortest route. Local transport by auto rickshaw from Indore railway station/Bus stand to IIT Indore on these days of arrival and departure will be paid as per the Institute rules (tentatively limited to Rs 500/-).

Local participants will be given TA charges as per the Institute rules (tentatively limited to Rs 300/- per day).

#### How to reach IIT Indore:

##### From Devi Ahilyabai Holkar Airport (IDR):

Devi Ahilyabai Holkar Airport (IDR) is a prominent airport and is about 8 km from the Indore city. The distance between IIT Indore and IDR is about 30 Km and a taxi can be taken to reach IIT Indore campus which approximately costs Rs. 800-900.

##### From Railway station:

From Railway Station, a taxi which approximately costs Rs. 400-500 can be hired to reach IIT Indore. Distance of IIT Indore is approximately 24 km from the Railway Station.

##### City Bus Service:

One can board a local bus shuttle service which originates from Bhanwarkuan bus stand (about 5km from railway station) to reach IIT Indore campus. The bus fare from Bhanwarkuan to IIT Indore is Rs. 25 per person.