

# A Deep Learning Crash Course

(Online Executive Workshop)



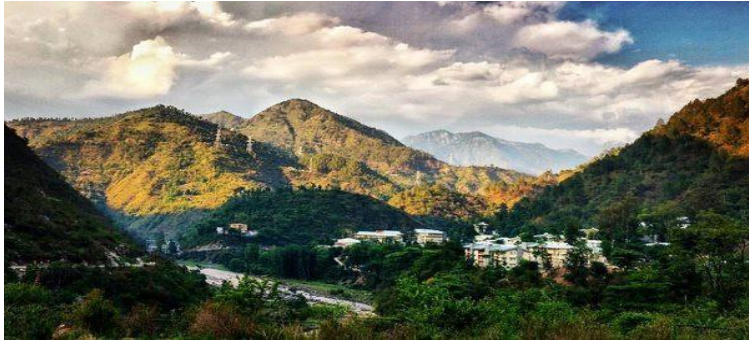
## ADLCC 2021

<https://www.iitmandi.ac.in/ADLCC2021/>

03 July 2021 - 04 July 2021 (**Weekend 1**)

10 July 2021 - 11 July 2021 (**Weekend 2**)

17 July 2021 - 18 July 2021 (**Weekend 3**)



### Expert Speakers:

<b>Dr. Aditya Nigam</b> IIT Mandi	<b>Dr. Dileep A.D.</b> IIT Mandi	<b>Dr. Chetan Arora</b> IIT Delhi
<b>Dr. Arnav Bhavsar</b> IIT Mandi	<b>Dr. Varun Dutt</b> IIT Mandi	<b>Dr. Kamlesh Tiwari</b> BITS Pilani

### About the online workshop

This 6-day weekend workshop is organised by IIT Mandi iHub and HCI Foundation and IIT Mandi, the workshop targets motivated executives and working professionals willing to work in the area of AI/ML. Extensive theory sessions from 9:00 am to 1:00 pm and lab sessions from 2:00 pm to 6:00 pm scheduled on every weekend and an assessment will be done at the end of the workshop on the basis of which certificates will be provided. During laboratory sessions support will be provided by specifically trained teaching assistants (our PhD students). This workshop mainly targets software engineers and executives. However, final year undergraduates/masters/PhD level, and faculty members may also apply. A basic minimal in Linear Algebra, Python, Machine Learning and Probability Theory is expected as a prerequisite for better understanding. Some of the highlights are as below:

- Covering state of the art AI/ML techniques in details
- Practical Oriented Workshop
- Extensive Hands-on sessions
- Proper Workbook for practice
- Opportunities for Research Internship

### Registration Details:

- Limited batch of participants
- Shortlisting based on *First Come First Serve* (spot registration, if seat is available).

### Registration Fees:

	On or before 25 June'21	After 25 June'21
Regular Students	Rs. 6,000	Rs. 8,000
Faculty Members	Rs. 8,000	Rs. 10,000
Industry Participants	Rs. 10,000	Rs. 12,000
International Participants	USD 300	USD 400

**Mode of the workshop:** Online

### Important Dates:

Early Registration	Late Registration	Workshop Dates
On or before 25 June 2021	After 25 June 2021	<b>W1-</b> 3 July 2021 - 4 July 2021 <b>W2-</b> 10 July 2021 - 11 July 2021 <b>W3-</b> 17 July 2021 - 18 July 2021

### Workshop Topics:

Some key points to be covered:

- Basics of Machine learning & Neural Networks
- Convolutional Neural Networks
- Object Localisation and Detection
- Autoencoders and Variational AutoEncoder
- Generative Adversarial Networks
- Recurrent Neural Network and Long Short-Term Memory, Siamese Network
- Transformer Network

### Organiser

Dr. Aditya Nigam  
Coordinator, IIT Mandi

### Contact Details

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