

Joint Online Faculty Development Programme on Machine Learning for Computer Vision



Feb 21 – Mar 04, 2022

Joint Principal Coordinator: NIT Patna

Jointly Organized by:
PDDM IITDM Jabalpur
NIT Patna
IIT Kanpur
IIT Roorkee
MNIT Jaipur
NIT Warangal

Objective and Scope

This course gives insights on Computer Vision and Machine Learning (ML), as well as applications of ML in Computer Vision.

Course Contents

- An overview of computer vision
- Introduction to image processing, algorithms on edge detection, image enhancement, segmentation, etc.
- Introduction to Artificial Intelligence (AI) and ML
- Neural networks and back propagation
- Convolution Neural Network (CNN)
- Deep CNN architectures, transfer learning and applications
- Object detection using CNN
- Autoencoders and their applications
- Image segmentation using CNN
- Recent trends in ML

Speakers

- Speakers will be from IITs, NITs and Industry for expert lecture, pedagogy and hands-on sessions.

Last Date for Registration:
Feb 20, 2022

Programme Coordinators

Dr. M. P. Singh, NIT Patna
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Key Features

- Online/Live lecture sessions by experts
- Applying different ML algorithms in computer vision
- Hands-on sessions using Python libraries
- Follow up sessions and discussion forum on research problems and internships

Course Fee Details

Academic (Student/Faculty): 500 INR
Industry People/Other: 1000 INR
Foreign Participants: 4000 INR

Online payment details:

Bank Name: Indian Bank/Allahabad Bank
Account Name: NIT Patna
Account No.: 50380476798
IFSC Code: IDIB000B810

Link for Registration: <https://forms.gle/Ld4OczAcZft5n7qX6>

For more details and application form visit:

<http://www.nitp.ac.in/ict/wintercourses2022.php>

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Joint Online Winter Programme

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