Jaypee University of Information Technology

Department of Electronics & Communication Engineering

and

Department of Computer Sc. & Engg/Information Technology

organizing

Workshop on Image Processing with Deep Learning

(22nd - 26th March 2022)

Patron
Prof. (Dr.) R.K. Sharma, Vice Chancellor

Advisor
Prof. (Dr.) Ashok Kumar Gupta,
Dean (Academics & Research)

Program Chair
Dr. Rajiv Kumar, Head, ECE Department
Dr. Vivek Sehgal, Head, CSE/IT Department

Finance Chair
Maj. Gen Rakesh Bassi (Retd.),
Registrar and Dean of Students

Coordinators

Dr. Nishant Jain, Asst. Prof, ECE
Dr. Emjee Puthooran, Asst. Prof, ECE
Dr. Vipul Kr. Sharma, Asst. Prof, CSE/IT

Topics to be covered

- Image Processing and Deep Learning Networks.
- Classification of Images using Deep Learning Network.
- Introduction to CNN Models for Image Processing.
- Applications of Deep Learning and Image Processing in the area of Medical Images, Satellite Images, Forensic Image Analysis, and Image Compression..
- Hands-on sessions on Image Processing using Python and MATLAB.
- Hands-on sessions on Deep Learning Networks using Python.
- Hands-on sessions on CNN Models using Python.

About JUIT

JUIT is spread over 25 acres of lush green picturesque slopes of Waknaghat, in district Solan of Himachal Pradesh, creating a tranquil environment that can heighten the spirit and energy level of all learners and inspire them to optimize their learning efforts. JUIT Waknaghat is midway between Shimla & Solan.

Objective of the Workshop

Deep Learning networks on Image Processing finds its application in biomedical, forensic science, remote sensing, agriculture, and in many more. Due to very wide area of applications, it attracts students, researchers, educators and industrialist from different background like Electronics and Communication Engineering, Computer Science Engineering, Biotechnology and Bioinformatics Engineering and others. This workshop will help the participants working or intend to work in the area of computer vision, biomedical engineering, forensic analysis, remote sensing images and telemedicine. It will help the participants to explore the new dimensions for their academic and research activities. The main objectives of the workshop are:
- To provide the recent development in the areas of biomedical engineering, forensic analysis, remote sensing images and telemedicine.
- To provide hands-on practice on image processing and deep learning using Python and MATLAB.

Workshop will be conducted in both Offline and Online Mode. All the lectures will be delivered remotely by keynote speakers, whereas hands-on session will be conducted by experts in the Lab. All the sessions will be available through googlemeet for the Online Participants.

There are no charges to attend the workshop in online mode. Participants willing to attend in offline mode need to pay Rs. 5,000/- for 5 days accomodation & Mess Charges in the University. Offline participants have to follow the Covid protocols. e-certificates will be given to the attendees with more than 80% attendance.
Free Registration, visit: https://tinyurl.com/JUITWSDIP

Contact:
Mr. Pramod Kumar,
Sr. Lab Engineer, Dept of ECE, JUIT
9318991769,
pramod.kumar@juitsolan.in

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Facebook @ ECE.JUIT , Instagram @ juit_ece
Linkedin @ Electronics & Communication Engineering, JUIT