Dr. AKHILESH DAS GUPTA INSTITUTE OF PROFESSIONAL STUDIES
FC-26, SHASTRI PARK, NEW DELHI.

Department of Artificial Intelligence and Machine Learning

Dated: 26/7/2024

REPORT

NITTTR FDP on "OpenCV for Image and Video Processing Applications"

Date of Event: 22nd - 26th July 2024

Venue: AIML Smart Room (RN-2202)

Objectives: To promote learning about the various image processing operations and motion detection/tracking. Video feature detection and analytics were also one of the objectives followed by the case study.

Activities: The complete schedule of 5 days FDP/STC held at ADGIPS remote centre for conducting FDP in collaboration with NITTTR Chandigarh is given as ANNEXURE-1

Key Takeaways:

- Introduction to OpenCV Usage and Implementation
- Home Automation and Aerial Imagery Analysis using OpenCV
- Insights of real time applications of OpenCV.

Description:

The Department of AIML (remote center for conducting NITTTR, Chandigarh online training) has organised FDP/STC on OpenCV for Image and Video Processing Applications from 22nd July 2024 to 26th July 2024.

The primary objective of the course was to provide insights of OpenCV and how it can be used for image and video processing applications. Application of OpenCV was supported by Case Study Demonstration and all the participants completed all the assignments with in the deadline.

Outcomes: Faculty members and students were facilitated with the platform to get insights about various applications of OpenCV.

Beneficiaries: Faculty members and students benefitted from FDP.

Photographs for FDP/STC

Prof. (Dr.) Suman Bhatia   Prof. (Dr.) Ankit Verma
    Event Organizer   **Head of Department**

ANNEXURE-1

DATE	10:00 A.M. to 11:30 A.M.	11:30 A.M. to 1:00 P.M.	3:00P.M. to 4:30 P.M.
22-07-2024	Introduction to Computer Vision and OpenCV	Essentials of Python Programming for Computer Vision and OpenCV	Essentials of Python Programming for Computer Vision and OpenCV
23-07-2024	OpenCV : Usage and Implementation	Real-Time Face Detection with OpenCV	Image Processing Operations and Applications (Edge, Contour Detection, Color Detection, Morphological Operations) using OpenCV
24-07-2024	Object Detection using OpenCV and Deep Learning	Home Automation and Aerial Imagery Analysis using OpenCV	Fashion and Style Recognition using OpenCV
25-07-2024	Motion Detection and Tracking	OpenCV for Video Processing	Action Recognition in Videos
26-07-2024	Video Feature Detection and Analytics	Video Shot Detection and Boundary Analysis	Case Study Demonstration, Feedback and Quiz

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BBD

Department of Artificial Intelligence & Machine Learning

in association with

National Institute of Technical Teachers Training & Research

राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंधान संस्थान (एनआईटीटीटीआर), चंडीगढ़
(शिक्षा मंत्रालय, भारत सरकार)
National Institute of Technical Teachers Training and Research, Chandigarh
(Ministry of Education, Government of India)

organizes

**ONE WEEK
FACULTY DEVELOPMENT PROGRAM**

(at the remote centre, ADGIPS)

on

OpenCV for Image and Video Processing Applications

22nd- 26th July, 2024

**Convenor:
Prof. (Dr.) Ankit Verma**

**Local Coordinator:
Prof. (Dr.) Suman Bhatia
Contact No: 9818566077**

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