About the event:

AIAIP is a three-day online Faculty Development Program organized by the Department of Communication Engineering (DCE) and Department of Embedded Technology (DET), School of Electronics Engineering, Vellore Institute of Technology showcasing the state-of-the-art and beyond of image processing techniques and its applications. The FDP will boost faculty, scholars and research enthusiast to venture towards building image processing based projects in both hardware and software. The FDP will feature talks by experienced Industry Experts and faculty speakers from different reputed academic organizations. The FDP will lead the path to motivate and enlighten the next generation of communication and signal processing engineers and faculty members. The target audiences are faculty members, research scholars, postgraduate and undergraduate students working in the areas of Image Processing, Embedded Technology, Machine Learning, Adaptive Signal Processing and so on.

Talks Scheduled:

- Face Analysis using Machine Learning Techniques.
- Machine learning based satellite image processing.
- Feature-based remote sensing image registration.
- Visual static hand gesture recognition with convolutional neural networks.
- Ocean eddy detection using deep neural networks.
- Applications of Image processing in pharmaceutical industries.

Highlights:

Satellite Imaging, Ocean Eddy, Human Computer Interaction (HCI), Industrial use case.

Advisory Committee:

Dr. Sivanantham S
Professor and Dean,
School of Electronics Engineering (SENSE),
Vellore Institute of Technology, Vellore, India.

Dr. Noor Mohammed V
Professor & Head,
Department of CE, SENSE, VIT Vellore

Dr. B Karthikeyan
Associate Professor & Head,
Department of ET, SENSE, VIT Vellore

Coordinators

Dr. Suraj Prakash Sahoo, Asst. Professor Sr. Grade 1
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Resource Persons:

Mr. Satish Bhati, Jekson Vision Pvt. Ltd, Gujarat
Dr. Manir Ahmed, Research Associate, IIT Roorkee
Dr. Neha Gupta, Asst. Professor, VIT AP
Dr. Sourabh Paul, Asst. Professor, VIT Chennai
Dr. Jaya Prakash Sahoo, Asst. Professor, BPUT Odisha
Dr. Shaik John Saida, Asst. Prof.(Ad-hoc), NIT-AP

Mode: Online
Platform – Microsoft Teams
Time: 10:00 AM to 4:00 PM
Registration is free

Registration Link: (Last Date: 18 Sep 2023)

https://forms.gle/V9me24xQA1kjjdKt5

Faculty Development Program on

Academics and Industry Applications leveraging Image Processing techniques (AIAIP)

19th to 21st Sep 2023

Organized by

Department of Communication Engineering
Department of Embedded Technology
School of Electronics Engineering

Vellore Institute of Technology, Vellore

Lecture Schedule

S. No	Date	Session 1 (10:00AM -12:00PM)	Session 2 (02:00PM - 04:00PM)
1	19/09/23 (Tuesday)	**Resource Person:** **Dr. Manir Ahmed** *Research Associate* *IIT Roorkee* **Title:** Face Analysis using Machine Learning Techniques	**Resource Person:** **Dr. Neha Gupta** *Assistant Professor* *VIT-AP* **Title:** Machine learning based satellite image processing
2	20/09/23 (Wednesday)	**Resource Person:** **Dr. Sourabh Paul** *Assistant Professor* *VIT-Chennai* **Title:** Feature-based remote sensing image registration	**Resource Person:** **Dr. Jaya Prakash Sahoo** *Assistant Professor* *BPUT Odisha* **Title:** Visual static hand gesture recognition with convolutional neural networks
3	21/09/23 (Thursday)	**Resource Person:** **Dr. Shaik John Saida** *Asst. Professor(Ad-hoc)* *NIT Andhrapradesh* **Title:** Ocean eddy detection using deep neural networks	**Resource Person:** **Mr. Satish Bhati** *Research Engineer* *Jekson Vision Pvt. Ltd, Ahmedabad, Gujarat* **Title:** Applications of Image processing in pharmaceutical industries