



PCET's

Pimpri Chinchwad College of Engineering, Pune

SIG Coordination Team

presents



Five Days Intensive Workshop on

Insights of Research in Image and Video Processing

For faculty and students

Everyday

20th to 24th July 2021

5.15 PM to 6.15 PM

Registration Link

<https://forms.gle/quShToREAuoiWASk8>

Research is the foundation of any activity which gives a definite direction to a project. Image and Video processing have acquired each and every fold of human life in some or other form. The field of Image and Video processing has progressed a lot in last few years. Many researchers are exploring Image and Video processing Research Ideas to address many research problems of human life. It will be interesting to walk through the explorations which researchers have done for research in respective fields using image / video processing. The exposure to such research explorations in image and video processing may ignite the spark in PCET faculty members to extend the work further for significant contributions in the field.

Contents



- 1 Image Acquisition Basics, Applications Point processing, Mask processing
- 2 Application of Contrast Enhancement in Outdoor Scene Environment
- 3 Cancer Identification in Mammography Images using Thesholding and Machine Learning
- 4 Glaucoma Identification in Fundus Images using ANN
- 5 Melanoma Skin Cancer Identification from Dermoscopic Images and Covid 19 Identification from chest X-ray Images using Machine learning
- 6 Image Restoration for Partial Occlusion Removal
- 7 Content based Image Retrieval using Feature Fusion
- 8 Image Fusion in Panoramic View Construction
- 9 Application of Computer Vision in Cognitive Science- Learning Disability
- 10 Content Based Video Classification using Machine Learning
- 11 Video Visual Content Static Summarization

Schedule

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Date	Session No.	Timing	Topic	Resource Person
20 th July 2021	1	5.15 PM - 5.45 PM	Image Acquisition Basics, Applications Point processing, Mask processing	Dr. Sudeep D. Thepade
	2	5.45 PM - 6.15 PM	Application of Contrast Enhancement in Outdoor Scene Environment	Mrs Deepa Abin
21 st July 2021	3	5.15 PM - 5.45 PM	Cancer Identification in Mammography Images using Thesholding and Machine Learning	Mrs Smita Khairnar
	4	5.45 PM - 6.15 PM	Glaucoma Identification in Fundus Images using ANN	Mr. Sachin Jadhav
22 nd July 2021	5	5.15 PM - 5.35 PM	Melanoma Skin Cancer Identification from Dermoscopic Images and Covid 19 Identification from chest X-ray Images using Machine learning	Dr. Sudeep D. Thepade
	6	5.35 PM - 5.55 PM	Image Restoration for Partial Occlusion Removal	Mrs Deepa Abin
	7	5.55 PM - 6.15 PM	Content based Image Retrieval using Feature Fusion	Mrs. Jaya Dewan

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Schedule

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Date	Session No.	Timing	Topic	Resource Person
23 rd July 2021	1	5.15 PM - 5.45 PM	Image Fusion in Panoramic View Construction	Dr. Sudeep D. Thepade
	2	5.45 PM - 6.15 PM	Application of Computer Vision in Cognitive Science- Learning Disability	Mr. Shailesh Patil
24 th July 2021	3	5.15 PM - 5.45 PM	Content Based Video Classification using Machine Learning	Ms. Madhura Kalbhor
	4	5.45 PM - 6.15 PM	Video Visual Content Static Summarization	Mrs. Ashwini Ladekar

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RESOURCE PERSONS



Dr. Sudeep D. Thepade

Dean
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Mrs. Deepa Abin

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Mrs. Jaya Dewan

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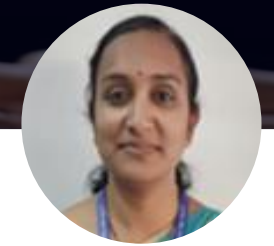
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Ms. Madhura Kalbhor

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Mrs. Ashwini Ladekar

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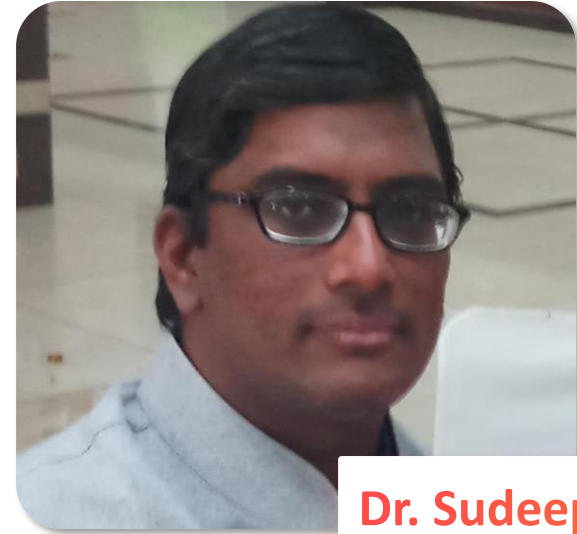
WORKSHOP COORDINATORS



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