

EICT Academies Global Online FDP on Modern Computer Vision (Date : 8th to 19th September 2025)

Date	Session I (4PM-5PM)		Session II (5.10PM-6.10PM)	Session III (6.20PM-7.20PM)	Session IV(7.30PM-8.30PM)
08-09-2025 (Monday)	3.30PM-4.00 PM	4.00PM-5.00PM	Module I : Dr. Deepak Ranjan Nayak	Module I : Dr. Deepak Ranjan Nayak	
	Inauguration	Module I : Prof. T K Gandhi	Introduction to CV	Image Formation and Imge Enhancement	
09-09-2025 (Tuesday)	Module II : Prof. Sumantra Dutta Roy		Module II : Dr. Shivram Dubey	Module III : Prof. Neeta Nain	
	Millenial Computer Vision		Transition from Handcrafted Features to Learning based Features	Foundation of Deep Learning	
10-09-2025 (Wednesday)	Module II : Prof. Surya Prakash		Module I : Prof. Ratnakar Dash	Lab I: Dr. Deepak R Nayak	
	Edge Detection		Filtering in Spatial domain and Frequency Domain	Implementation ML-based CV	
11-09-2025 (Thursday)	Module III : Prof. C. Chandra Sekhar		Module III : Prof. Santosh Vipparthi	Lab II: Dr. Deepak R Nayak	
	Deep Learning Models for Image and Video Processing Tasks		Evolution of CNN	Implementation CNN models and variants for Classification	
12-09-2025 (Friday)	Module III: Dr. Deepak R Nayak		Module III: Dr. Ram P Padhy	Lab III: Dr. Ram P Padhy	Quiz-1
	Transfer Learning & Visual Attention Mechanisms		RNN and LSTM	Implementation RNN and LSTM	First Quiz
13-09-2025 (Saturday)	Module III : Dr. Shivram Dubey		Module III : Dr. Deepak R Nayak	Module III: Dr. Amit Singh	Lab IV : Deepak R Nayak
	Visualizing CNN		CNN for Image Segmentation	Data Hiding of Medical Images: Emerging Trends and Research Issue	Attention Mechanims and CNN for Image Segmentation
14-09-2025 (Sunday)	Module IV : Dr. M K Bhuyan		Module IV : Dr. M K Bhuyan	Module IV: D Mohapatra	
	Transformer		Transformer	Active Learning and Generalized zero-shot learning	
15-09-2025 (Monday)	Module IV : Dr. Abhinav Dhall		Module IV : Dr. Badri Narayan Patro	Module IV: Dr. Ashish K Tripathi	Lab V : Dr. Ashish K Tripathi
	Towards Explainable and Culturally-Aware Deepfake Analysis		Beyond Vision Transformers	Deep generative models: GAN	Implementation of GAN
16-09-2025 (Tuesday)	Module IV : S Majhi		Module IV : Dr. Debi Prasasd Dogra	Module IV : Puneet Goyal	Module IV : Aditya Nigam
	Video Understanding and Anomaly Detection		Visual Surveillance and Its Applications	Source Camera Model Identification using Deep Learning	Object Detection
17-09-2025 (Wednesday)	Module IV : Dr. Yu-Dong Zhang		Module III : Hrishav Barua	Module IV : Prof. Badri Subudhi	Lab V: S Majhi
	Intelligent recognition and diagnosis of colonic lesions		HDR in Image/Video Tanslation	Actvity Recognition using Deep Learning/ Underwater Suevelliance	Implementation of Transformer and Anomaly Detection Models
18-09-2025 (Thursday)	Module IV : Prof. Ananda S Chowdhury		Module IV: Sai Kumar Dwivedi	Module IV: Dr. Biplab Banerjee	Module IV: Aditya Nigam
	Computer Vision for Neuroscience		3D-Human Perception: From Vision to Robotics	Cross Domain Learning in Vision Language Models	Diffusion Models
19-09-2025 (Friday)	Module IV : Deepak Panda		Module III : Dr. S J Nanda	Quiz-2	
	Vision Language Models		Hyperspectral Imaging Analysis	Feedback and Valedictory	

Speaker Details :

- (1) Prof. C. Chandra Sekhar, IIT Madras
- (2) Prof. Yu-Dong Zhang, Univ of Leicester
- (3) Prof. M.K. Bhuyan, IIT Guwahati
- (4) Prof. Abhinav Dhall, Monash University
- (5) Prof. Sumantra Dutta Roy, IIT Delhi
- (6) Prof. Biplab Banerjee, IIT Bombay
- (7) Prof. Debi P Dogra, IIT Bhubaneswar
- (8) Dr. Badri N Patro, Microsoft Research
- (9) Prof. Tapan Kumar Gandhi, IIT Delhi
- (10) Prof. Surya Prakash, IIT Indore
- (11) Prof. Santosh Vipparthi, IIT Ropar
- (12) Dr. Ram Prasad Padhy, IIT BBSR
- (13) Prof. A S. Chowdhury, Jadavpur Univ.
- (14) Dr. Dwarikanath Mahapatra, IIAI, UAE
- (15) Prof. Aditya Nigam, IIT Mandi
- (16) Dr. Shiv Ram Dubey, IIIT Allahbad
- (17) Prof. Neeta Nain, MNIT Jaipur
- (18) Sai Kumar Dwivedi, Meta Zurich
- (19) Prof. Badri N Subudhi, IIT Jammu
- (20) Dr. Deepak Panda, Microsoft
- (21) Prof. Ratnakar Dash, NIT Rourkela
- (22) Prof. Amit Singh, NIT Patna
- (23) Dr. Puneet Goyal, IIT Ropar
- (24) Dr. Dinesh Singh, IIT Mandi
- (25) Dr. Ashish K Tripathi, MNIT Jaipur
- (26) Dr. Satyasai J Nanda, MNIT Jaipur
- (27) Mr. Hrishav Barua, Monash University
- (28) Dr. Deepak R Nayak, MNIT Jaipur
- (29) Mr. Snehasis Majhi, INRA France