

"Exploring Deep Learning Techniques for Digital Image Processing" 10-08-2024 Online Mode Sri Sai Ram Engineering College (An Autonomous Institution, Affiliated to Anna University, Chennai)

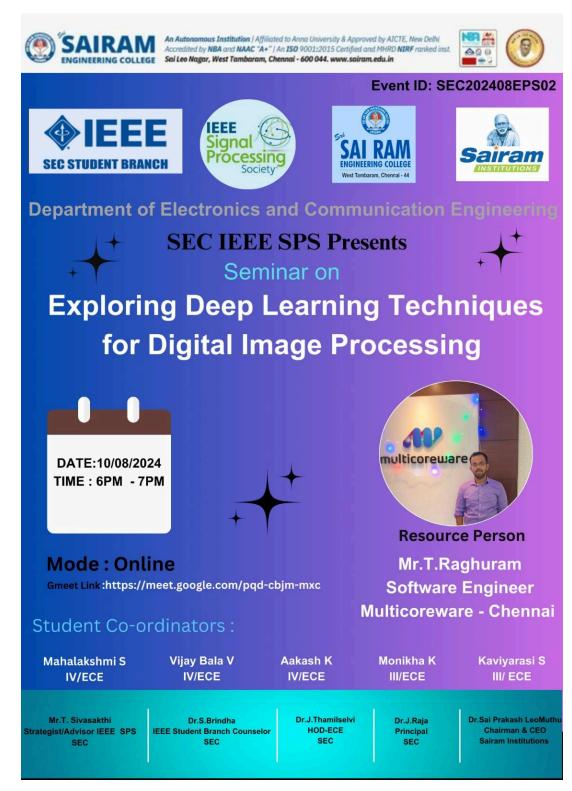


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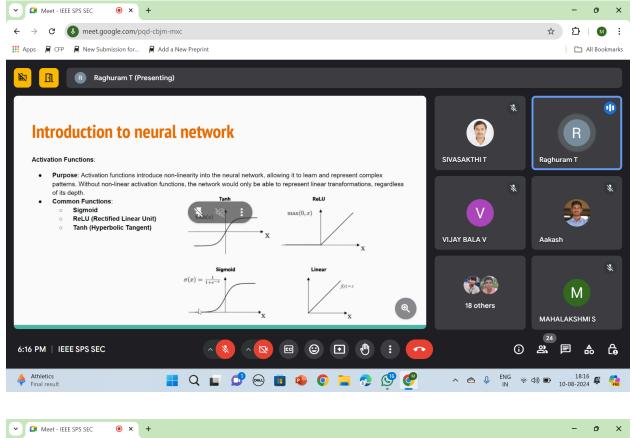
IEEE Signal Processing Society in association with Electrionics and Communication Engineering, Sri Sai Ram Engineering College organized a session on "Exploring Deep Learning Techniques for Digital Image Processing" on 10<sup>th</sup> August 2024 from 6:00pm to 7:00pm through Google Meet platform. The event commenced with warm welcome by Mr T. Sivasakthi (SEC IEEE SPS Advisor). After that speaker Mr. T.Raghuram- Software Engineer, Multicoreware, Chennai explained about the various algorithms about deep learning and gave few insights about neural networks, convolutional neural networks the session went on very interesting and interactive. The vote of thanks was given by V.Vijay bala (SEC IEEE SPS Vice Chair).

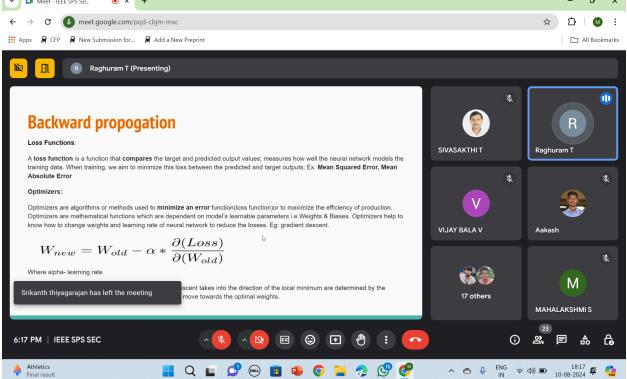
Number of participants: 30

## Event Poster:



## Event pictures:





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R Raghuram T (Presenting)	
Convolution Neural Network (CNN) is the extended version of artificial neural networks (ANN) which is predominantly used to extract the feature from the grid-like matrix dataset. For example visual datasets like images or videos where data patterns play an extensive role.	SIVASAKTHI T
CNN architecture:Convolutional Neural Network consists of multiple layers like the input layer, Convolutional layer, Pooling layer, and fully connected layers. The Convolutional layer applies filters to the input image to extract features, the Pooling layer downsamples the image to reduce computation, and the fully connected layer makes the final prediction. The network learns the optimal filters through backpropagation and gradient descent.	Aakash
Input layer IMAGE	采 平 聞 : Mahalakshmis
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