

Recent advancements in artificial intelligence have led to the emergence of deep learning-based techniques for condition monitoring of critical infrastructure. Deep learning neural networks such as Convolution Neural Networks (CNN) and Long Short-Term Memory (LSTM) have demonstrated their effectiveness in this domain. This webinar is aimed at providing the sound fundamental knowledge to the participants on the CNN and LSTM, application and implementation (in python framework) to an industrial experimental test rig dataset of 10 different types of fault of rolling element bearing (machinery component). CSIR-SERC invites engineering students, academicians, researchers, industry personnel's and other stakeholders to join the free webinar.

Speakers



[Dr. J. Prawin,](#)  
Senior Scientist,  
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Topics to be covered..

- Deep Learning
- Backpropagation and neural networks
- Condition Monitoring
- Vibration analysis

Free Registration

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For any clarifications/queries:

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