



NATIONAL INFORMATICS CENTRE

Government of India

Learning

Neural
National

Machine Augmented
Recognition Softmax Data
Networks Service Processing Analytics
Citizen Delivery

Intelligence

Video Text Summarisation
Deep Image
Big eGovernance Classification
Chatbot Regression

Algorithms Centre Document Speech
Informatics

Artificial

CENTRE OF
EXCELLENCE IN

ARTIFICIAL INTELLIGENCE



ARTIFICIAL INTELLIGENCE RESOURCE DIVISION



NATIONAL INFORMATICS CENTRE

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AI (Artificial Intelligence) is the simulation of human intelligence processes by machines, especially computer systems.

ai.nic.in



FACILITY

COE in AI @ NIC will facilitate State of the Art technology support with Super computing facilities for prototyping in the fields of Image & Video Analytics, Speech Synthesis & Recognition, Natural Language Processing.

Artificial Neural Network (ANN), Convolutional Neural Network (CNN), Recurrent Neural Network (RNN) are Some of the Modern Implementations of Deep Learning used for Prediction involving Numerical Data, Image & Face Recognition, and NLP respectively, requiring the use of parallel computing.

COE IN AI @ NIC GOALS

To increase the use of Enterprise and Community data over private data silos in eGovernance for intelligence augmentation to help improve delivery of citizen centric Services.

The COE in AI @ NIC will share its expertise towards helping Ministries/ Departments and Organisations in

- ✔ Getting started & building momentum in AI
- ✔ Prototyping & Capacity Building
- ✔ Succeeding with AI roadmap

AREAS OF THRUST

- ✔ Machine Learning
- ✔ NLP & AI in Text
- ✔ Image Recognition
- ✔ Speech Recognition & Synthesis
- ✔ Deep Learning
- ✔ Chatbot/Voicebots

