

Training on Artificial Intelligence on 13th & 14th March 2019 at NIC Headquarters

An Intensive training was conducted on Use of Artificial Intelligence Technologies in NIC Headquarters by Nvidia along with hands-on session. Topics covered were

1. DGX-1 Architecture
2. Nvidia GPU V100 Architecture, TensorCores & CudaCores
3. Accelerating Deep Learning training through Mixed Precision
4. Mixed Precision Mathematics & use of TensorCores
5. Introduction to Machine Learning & Deep Learning
6. Deep dive on Mathematical Understanding of Neural Networks architectures :
MultiLayer Perceptron, Convolutional Neural Network for Computer Vision,
Recurrent Neural Network for sequence Modeling, Generative Adversarial Networks
7. State of the art CNN,RNN models
8. Deep Learning & machine Learning frameworks
9. Application in Computer Vision, Natural Language Processing with use-case:
 - Name Entity Recognition using LSTM
 - Sentiment Analysis
 - Text Summarization
10. Deployment of YOLO model using TensorRT
11. Hands-on on working with Docker Containers on DGX Servers
12. Registering on NGC – Nvidia GPU cloud for downloading & uploading images of containers.

Training conducted with expected subject matter expertise and to our satisfaction level.
The list of attendees were as follows :

From Karnataka – MINT team

1. Shri Vijaykumar Navalgund, SSA
2. Ms. Ambily Raju, SSA

Maharastra Judiciary Team

- 3 Ms. Kishori Dixit Scientist 'E'
4. Ms. Bharati Jadhav Scientist 'D'

WBSC team on Image & Video analytics

5. Dr, Subrata Roy Gupta, Scientist D
6. Mr. Suman Mahajan, Scientist B

From Delhi

National Power Portal Team

7. Sh. Ranjeet Kumar Soni, TD

MOHUA – Swachh Bharat Urban Team

8. Shri Vinay Aggrawal, STD

Ministry of Drinking Water & Sanitation – Swachh Bharat Grameen

9. Sri Pramod Kumar Yadav, SSA

10. Sri Rajeev Goel, TD

NIC Helpdesk - Chatbot team

11. Ms. Nidhi Lohat, Scientific Officer

12. Shri John Philip, TD

GIS Team

13. Ms. Dhruv Jyoti Sharma, PSA

14. Ms Bhavna Chopra, TD

Smart card Division

15. Sh. Ranjeet Kumar, TD

Court Team

16. Dr Surinder Kumar, STD

17. Shri Mohd. Iftekhhar, SSA

From NIC-AIRD

18. Ms. Any Gupta, STA

19. Sh. Ajay kumar, SA

20. Smt. Sharmistha Dasgupta, STD

On Chair – Sh. G.K.Gaur, DDG & HOG (NIC-AIRD)

Courtesy – Sh. Rajesh Pathak, STD & HOD, Training Division

Trainers –

1. Sh. Mitra Bhanu Rath, Senior Solutions Architect – Rapids/ML, Nvidia
2. Sh. Megh Makwana, Knowledge Partners of Nvidia

A Few photos of the event are attached.

