

AI Bootcamp I : NIC Bootcamp on Computer Vision held virtually

Dates : October 25 to 27, 2021

Attendees : 39 participants PAN India through Slack & Zoom & DGX System at NIC Kolkata

Initiated By : NIC Technical Advisory Group

Mentoring By : NVidia

Helped By : CCS

Agenda:

Day 1 October 25, 2021: [10:30 AM – 01:30 PM]

Introduction to Deep Learning for Computer Vision

Deep Learning Frameworks: Pytorch Overview

Introduction to Pytorch Performance Guide

Optimize Workloads with CUDA, AMP, Wandb, Multi-GPU

Mini-Challenge (Optimization)

Day 2 October 26, 2021: [10:30 AM – 01:30 PM]

Model optimization: ONNX and TensorRT

Inferencing: Pytorch, ONNX, TensorRT

Deploying Models in Triton Inference Server in K8s

Streamlit WebApp Integration

Mini-Challenge (TensorRT, Triton)

Day 3 October 27, 2021: [10:30 AM – 01:30 PM]

Introduction to TAO Toolkit and Deepstream SDK

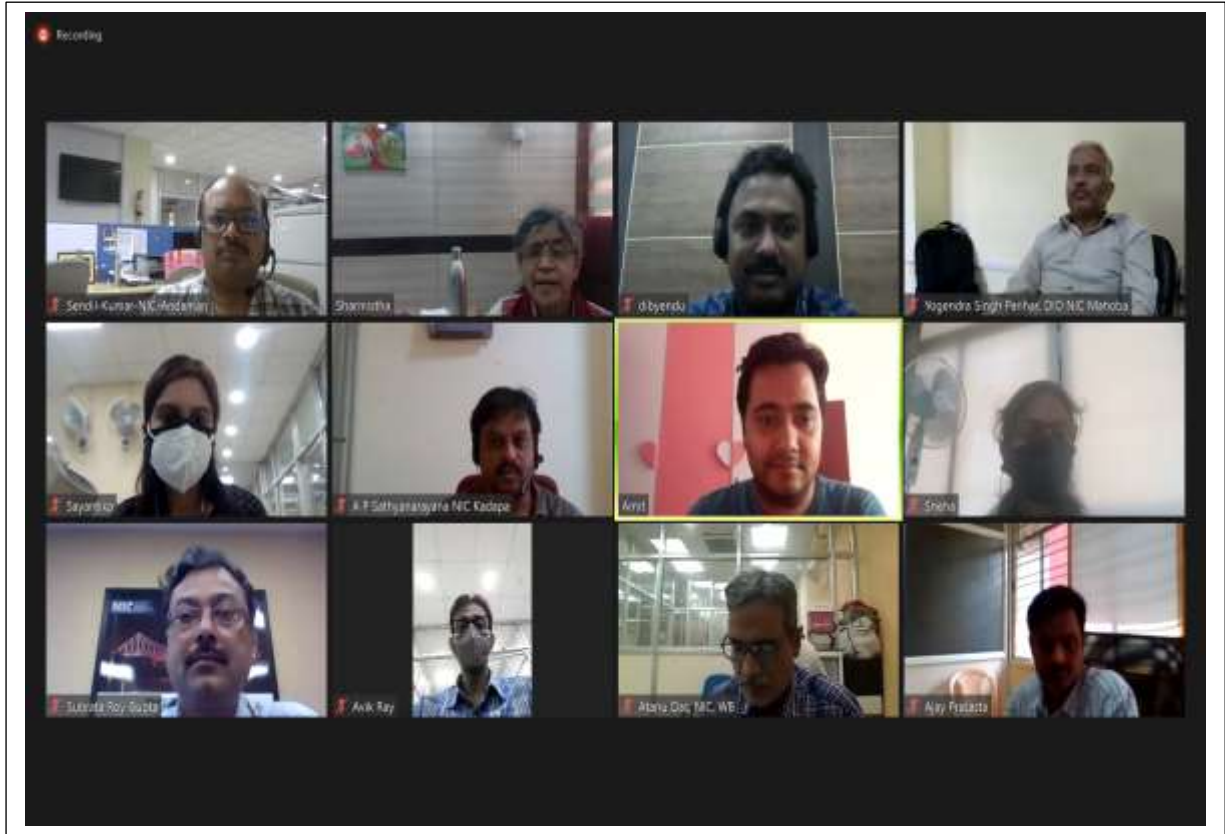
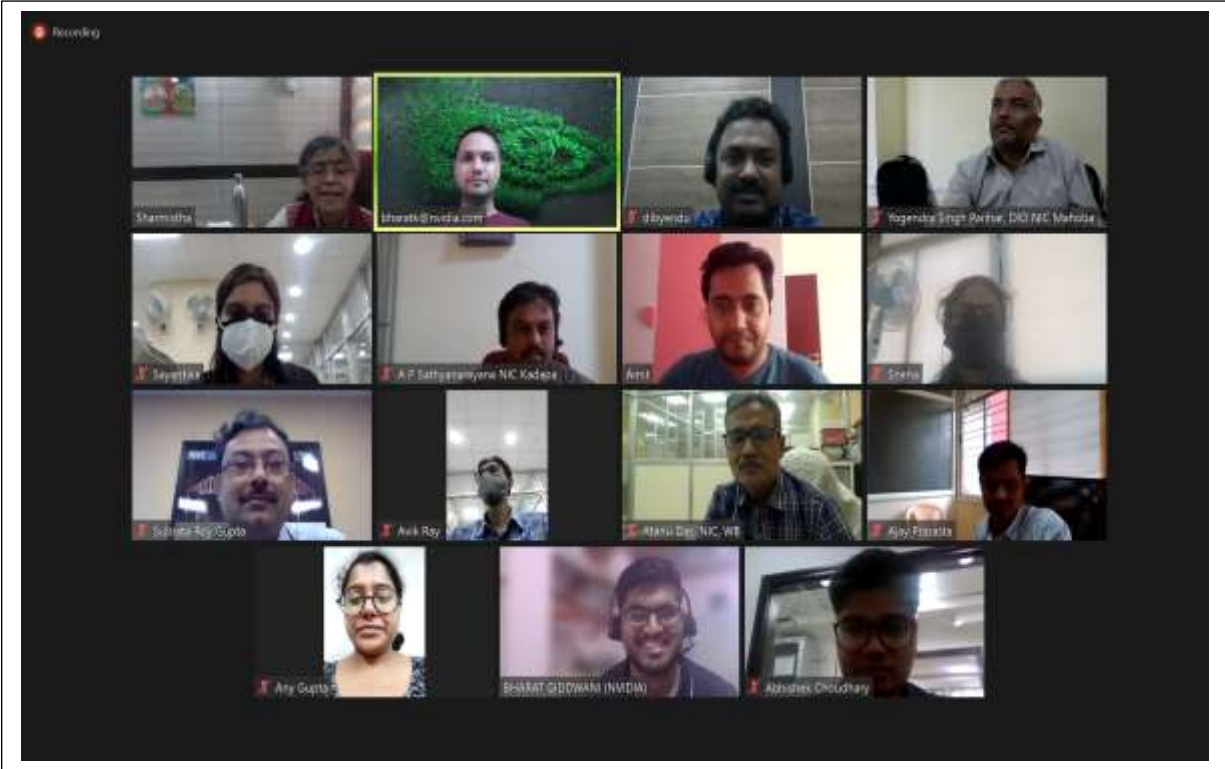
TAO Toolkit: Image Classification Training: AMP, QAT, Multi-GPU

Mini-Challenge (TAO)

Deploying CV Models in Deepstream (Object Detection)

Mini-Challenge (Deepstream)

Some snapshots of the event :



Attendees List :

Sr. No.	Name	Emp Code	Designation	Email Id	Attendance (YES/NO)	Successful Login (YES/NO)	Attendance Day 2	Successful Login (YES/NO)	Attendance Day 3
1	Smt Lalima Das	7471	STA A	lalima.das@nic.in	YES	YES	YES	YES	YES
2	Smt Sayantika Debnath	6967	STA B	sayantika.debnath@nic.in	YES	NO	YES	YES	yes
3	Smt Mouli Laha	6968	STA B	mouli.laha@nic.in	YES	YES	YES	YES	YES
4	Shri Sandip Pramanik	6196	Scientist C	sandip.p@nic.in	YES	YES	Yes	Yes	Yes
5	Shri Dibyendu Aich	6277	Scientist C	dibyendu.aich@nic.in	YES	YES	Yes	YES	YES
6	Shri Anirban Kundu	6143	Scientist C	anirban.kundu@nic.in	Yes	Yes	Yes	Yes	
7	Smt Shila Rani Sahoo	6223	Scientist C	shila.sahoo@nic.in	YES	YES	YES	YES	
8	Shri Saikat Narayan Bhattacharya	6135	Scientist C	sn.bhattacharjya@nic.in	YES	YES	YES	YES	YES
9	Shri Avik Ray	5269	Scientist C	avik.ray@nic.in	YES	Yes	Yes		Yes
10	Dr. Subrata Ray Gupta	5440	Scientist D	s.roygupta@nic.in	Yes	Yes	Yes	Yes	Yes
11	Shri Atanu Das	2153	Scientist F & ASIO (State HQ)	atanu.das@nic.in	Yes	No	Yes	Yes	Yes
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13	Piyushank Gupta	6183	Scientist C	piyushank.gupta@nic.in	YES	YES	Yes	Yes	Yes
14	Sarvendra Kumar Tarun	7136	Scientist B	sk.tarun95@nic.in	YES		YES		YES
15	Arpit Jain	6158	Scientist C	arpit.jain@nic.in	YES	YES	YES	YES	YES
16	Suhas Harbola	6781	Scientific Officer/Engineer-SB	suhas.harbola@nic.in	YES		Yes	Yes	Yes
17	Sneha Lotankar	4217	Scientist 'F'	sneha.nl@nic.in	YES	YES	Yes	yes	Yes
18	Ajay Prasasta	6202	Scientist C	prasasta.tatapudi@nic.in	YES	YES	YES	YES	YES
19	Novotsono Natso	6364	Scientist B	novotsono.natso@nic.in	YES				Yes
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24	Kamala Kannan Gandhi	6444	Scientist B	gk.kannan@nic.in	YES	YES	YES	YES	YES
25	Vikramjit Singh	5175	Scientist E	vikram.thind@nic.in	YES	YES	YES	YES	YES
26	Neha Kumari Shaw	7409	STA A	neha.shaw96@nic.in	-	-	-	-	-
27	Sendil Kumar	5983	Scientist C	kumar.sendil@nic.in	Yes	Yes	Yes	Yes	Yes
28	Rahul Jain	4608	Scientist 'F'	rahul.jain@gov.in	Yes	yes	yes	yes	
29	Ritesh Kumar Dwivedi	5797	Scientist C	ritesh.dwivedi@nic.in	YES	YES	YES	YES	YES
30	Ritika Gupta	6399	Scientist C	ritika.gupta@nic.in	YES	YES	YES	YES	
31	BHAUSAHEB BABASAHEB BANGAR	5856	Scientist C	bangar.bs@nic.in	YES	YES	YES	YES	YES
32	Mayank Tyagi	7347	STA A	tyagi.mayank@nic.in	-	-	-	-	-
33	Shiva Kant Shukla	5862	Scientist C	shivak.shukla@gov.in	Yes	Yes			Yes
34	Mohit Lal Sah	6829	Scientific Officer/Engineer-SB	mohit.sah@nic.in	YES	YES	YES	YES	yes
35	A.P.Sathyanarayana	4833	Scientist D	satya.a.p@nic.in	YES	YES	YES	YES	YES
36	S Sivarama Selvan	4814	Scientist E	selvan@nic.in	-	-	-	-	-
37	Yogendra Singh Parihar	5378	Scientist D	yoginder.parihar@nic.in	YES	YES	YES	YES	YES
38	Any Gupta	6948	STA A	any.gupta78@nic.in	YES		YES		YES
39	Anil Choubey	7143	Scientist-B	anil.choubey95@gov.in	YES	YES	yes	yes	yes
40	Usman	7339	Taechnical Assistant -A	usman.94@nic.in	yes	YES	YES	YES	yes
23	Gangashankar Singh	7448	STA A	sq.indra@nic.in	YES	YES	YES	YES	YES
41	AJAY KUMAR	6006	Scientist B	ajaykr6006@nic.in	yes		yes		yes
42	Saurabh Sharma	7163	Scientist B	saurabh.sharma94@nic.in	YES		YES		YES
43	Rohit Kumar	7108	Scientist B	rohit.k12@nic.in	YES		YES		YES