
Intel Excellence Programme on HPC/AI/ IoT

Tuesday, January 7, 2020

8:30 am – 5:00 pm , Federal Institute of Science and Technology, Ernakulam, Kerala

Day 1 Event Agenda

Time	Activity	Presenter
08:30 - 09:00	Participant registration process and attendance	
09:00 - 10:00	Intel in technology and partners	Akanksha Bilani & Linson Joseph
10:00 - 11:00	AI Applications and solution	Accubits & NetX
11:00 - 11:15	Tea Break	
11:15 - 01:00	Getting Started with the tools for building IoT and ML application <ul style="list-style-type: none"> • Internet of things – market, opportunities and use cases • Three-layer IoT Architecture and its components: Edge, gateway and cloud • Introduction to development platform, sensors and other peripherals • Getting started with MRAA and UPM sensor libraries 	Suryender
01:00 - 01:45	Lunch	
01:45 - 02:45	IoT application development and cloud integration for real time data logging using python and related packages <ul style="list-style-type: none"> • Interfacing sensors and other peripherals • Realtime time data logging to cloud • Remote control and monitoring of devices 	Suryender
02:45 - 03:45	Introduction to AI, ML and Deep Learning Classification of Machine Learning Algorithms	Manjit
3:45 – 4:00	Tea, discussion	
04:00 - 05:00	Implementation of machine Learning Algorithms with Python and related libraries like Scikit learn <ul style="list-style-type: none"> • Hands on 	Manjit
	END	

Wednesday, January 8, 2020

9:00 am – 5:00 pm , Federal Institute of Science and Technology, Ernakulam, Kerala

Day 2 Event Agenda

Time	Activity	Presenter
09-00 - 11:00	Deep dive into new age technology - AI and High Performance Computing <ul style="list-style-type: none"> • Vision inference at the Edge with OpenVINO toolkit and Neural Compute Stick • Deep learning for computer vision with Intel platform • Introduction to computer vision and Intel distribution of OpenVINO toolkit • OpenVINO Inference Engine : Hardware Specific Optimizations • OpenVINO hands on session - Vehicle number plate recognition, age, gender and emotion recognition etc Introduction to Intel Neural Compute Stick Inference at the edge with Neural Compute Stick	Suryender
11:00 - 11:15	Tea Break	
11:15 - 12:00	Introduction to High Performance Computing	Abhishek
12:00 - 01:00	Code modernization using Intel Parallel StudioXE	Abhishek
01:00 - 01:45	Lunch, discussions	
01:45 - 03:45	Code modernization using Intel Parallel StudioXE	Abhishek
03:45 - 04:00	Tea Break	
04:00 - 04:30	Doubts and discussion	
04:30 - 05:00	Conclusion and feedback	
	END	