Workshop on "The Potential Use of AI and ML in the Field of Particle Accelerators" Inter-University Accelerator Centre, New Delhi November 4-5, 2024					
REGISTRATION (4th November 2024, Monday)					
Date	Time	Location			
4-Nov-24	8:30 AM to 9:30 AM	Registration (Venue: Lounge Area, Seminar Hall, Main Laboratory Complex, IUAC)			

	PROGRAM SCHEDULE: DAY-1 (4 Nov 2024, Monday)						
Time	Speaker	Organization	Presentation Title				
9:30 AM	Dr. J. Antony	IUAC	Welcome Address & Lighting Lamps				
9:40 AM	Prof. A. C. Pandey	Director, IUAC	Opening Remarks and Overview				
9:55 AM	Dr. Utpal Chakraborty	Vivekananda Institute for Professional Studies	Keynote Talk				
10:30 AM	Prof. Alex James	Dean, Digital University , DUK, Trivandrum	Guest of Honor Address				
10:45 AM	Technology Transfer Agreement Exchange of IUAC AI Products to Scientech Technologies Pvt. Ltd, Indore						
10:50 AM	Dr. J. Antony	IUAC	Vote of Thanks				
11:00 AM	High Tea						
Session-I							
11:30 AM	Talk-1: Prof. Alex James	Dean, Digital University , DUK, Trivandrum	In-memory Chips for Edge AI Processing				
12:15 PM	Talk-2: Prof. Sumantra Datta Roy	IIT Delhi	Transformers & LLMs				
1:00 PM	Lunch Break						
Session-II							
2:00 PM	Talk-3: Dr. Surendra Yadav	RRCAT	AI Techniques and Applications for Indus Accelerator facility				
2:45 PM	Talk-4: Dr. Deepak Mishra	IIST, Trivandrum	Deep Leaning demystified : CNNs for Image classification and RNN for time series forecasting				
3:30 PM	Tea Break						
Session-III							
4:00 PM	Talk-5: Dr. J. Antony	IUAC	Power of Parallel Computing for AI: Presentation using Param Rudra Supercomputer & other GPUs				
4:45 PM	Talk-6: Mr. S. K. Jain	BARC	Remote Server-Clients Design-Hardware & Software at BARC				
5:30 PM	Tea Break						
6.00 PM - 7.00 PM	Dr. Vidur Mahajan	Special Evening Talk	Health care using AI on Medical Imaging Applications				

	PROGRAM SCHEDULE: DAY-2 (5 Nov 2024, Tuesday)						
Time	Speaker	Organization	Presentation Title				
Session-IV							
9:30 AM	Talk-7: Dr. J. Antony	IUAC	IoT & AI/ML Activities at IUAC				
10:15 AM	Online Talk-8: Ms. Pranita Mahajan	SVNIT, Surat	Prompt Engineering/ChatGPT				
11:00 AM	Tea Break						
Session-V							
11:15 AM	Talk-9: Mr. Pritam Prakash Shete	BARC	Introduction to Large Language Models: from foundations to Real World Applications				
12:00 PM	Talk-10: Dr. Dhruv Chandel	MathWorks	Reinforcement Learning - Feedback Controls				
12:45 PM	Visit to Param Rudra, IUAC Super Computing facility						
1:15 PM	Lunch Break						
Session-VI							
2:15 PM	Online Talk-11: Dr. Nileshchandra Pikle	IIIT Nagpur	GPU Computing - Architecture, Applications & Programming Strategy				
3:00 PM	Practical Demonstrations of AI Experiments on TinyML, LSTM & LLM by Research Associate/Students						
4:00 PM	Tea Break						
4:30 PM	Open Discussion & Concluding Remarks - Convened by Organizing Committee [Coordinators: Dr. J. Antony/ Mr. Rajeev Mehta] Special Invitee: Director, IUAC						