



COLLEGE OF ENGINEERING
TRIVANDRUM
HIGH PERFORMANCE COMPUTING

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HPC Registration Form

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Institute Name	College of Engineering Trivandrum
Gender	Male
Department	Computer Science and Engineering
Category	B. Tech. Student
Email ID	tve23cs068@cet.ac.in
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Project Name	Security Aware Scheduling
Project Description	This research focuses on developing advanced scheduling algorithms for distributed computing systems that optimize both performance and security. The project implements and compares multiple scheduling approaches including HSMS (Heterogeneous Security-aware Makespan minimizing Scheduler), Q-Learning based reinforcement learning schedulers, and SHIELD/ANYSHIELD security enhancement algorithms, Genetic Algorithms, and Other approaches which includes Learning techniques like A3C
Project Domain	Machine Learning,
Compilers/ Softwares needed	Python, Numpy,Pandas, Torch,Seaborn, Matplotlib, and other Standard Python libraries like collections, heapq, copy, random etc..
Size of Dataset	2GB
Minimum duration to complete the present job	24Hrs
Undertaking	
I here by declare that I will not use this account for any purpose other than project/research work connected to College of Engineering Trivandrum/Any other Govt. Engineering Colleges. Misuse, if any, will cause immediate termination of the account without any notice.	
Signature of Applicant	
Name & Signature of Guide/ Supervisor	Dr. Piyoosh P
Name & Signature of HOD	Dr. Ajeesh Ramanujan

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