CHPC 2025 Student Cluster Competition Timetable

Monday (7th July)		Tuesday (8th July)		Wednesday (9th July)	
Welcome, Intro & Getting Started		**HPC Hardware, HPC Networking & Sys Admin**		**Benchmarking, Compilation and Parallel Computing**	
7:00	*Breakfast*	*7:00*	*Breakfast*	*7:00*	*Breakfast*
8:30	**Welcome and Introduction**	8:30	**HPC Hardware**	8:30	**HPC Benchmarking**
9:30	**Introduction to Tools for the Modern IT Engineer**	9:30	**HPC Networking**	9:30	**Code Compilation & Compiler Tools**
10:30	*Tea Break*	*10:30*	*Tea Break*	*10:30*	*Tea Break*
11:00	**Introduction to Linux Services**	11:00	**System Adminstation & Configuration**	11:00	**Parallel Computing: NUMA, MPI and Threads**
12:00	**Getting Started**	12:00	**Putting together a HPC Cluster & Presentation Tips**	12:00	**Peer-Programming Demo: Serial & Parallel Compilation**
13:00	*Lunch*	*13:00*	*Lunch*	*13:00*	*Lunch*
14:00	**Tutorials**	14:00	**Tutorials**	14:00	**Tutorials**
15:30	*Tea Break (Staff Session)*	*15:30*	*Tea Break (Staff Session)*	*15:30*	*Tea Break (Staff Session)*
18:00	*Dinner*	*18:00*	*Dinner*	*18:00*	*Dinner*
Tutorial 1: Build / Compile GCC and Single Node HPL		**Tutorial 2: Network, NAT, NTP, NFS, SSH, Firewall, User Management**		**Tutorial 3:Lmod, Build and Compile BLAS, MPI & HPL, HPCC, LAMMPS, Qiskit**	

Thursday (10th July)		Friday (11th July)		Saturday (12th July)	
HPC Administration and Application Visualization		**Career Guidance Pannel**		**Student Presentations**	
7:00	*Breakfast*	*7:00*	*Breakfast*	*7:00*	*Breakfast*
8:30	**Schedulers**	8:30	**Tutorials**		
9:30	**Monitoring**				
10:30	*Tea Break*	*10:30*	*Tea Break*		
11:00	**Project Management using Git Workflows**	11:00	**Tutorials**		
12:00	**Tutorials**			8:00	*Team Presentations*
13:00	*Lunch*	*13:00*	*Lunch*		
14:00	**Tutorials**	14:00	**Tutorials**		
15:30	*Tea Break (Staff Session)*	*15:30*	*Tea Break (Boma)*		
18:00	*Dinner*	*18:00*	*Dinner*		
Tutorial 4: Cluster Admin, Monitoring, Data Visualization & Interpretation		**23:00**	**Cluster Design Assignment Submission Deadline**	**23:00**	**(Saturday) Technical Knoweldge Assignment Submission Deadline**

Accommodation
All students to be checked-in, by 16:00 on Sunday 6th

Welcome Braai Function Sunday 6th
Dinner function at Boma from 17:30

Mentorship and Career Guidance Friday 11th
Afternoon tea engagement at Boma

Tuckshop open everday between 19:30 - 20:00 (CASH ONLY!!!)

Primary Contact (Logistics, Accommodation & General Issues)
Funeka - 083 214 6968

Emergency Contact (Team Captains Only)
Lerato - 066 173 4377

Saturday (12th July)			
Student Presentations Roster			
8:00	Runtime Blinders	12:00	TUT_X
8:20	0V1RCL0CK1D	12:20	TuksByters
8:40	DC Spears	*12:40*	*Lunch*
9:00	Technocrats	13:40	Cybertrons NextGen
9:20	*Tea Break*	14:00	One PC
9:40	Wits-1	14:20	Computer champions
10:00	UNISA-SCT'25	14:40	Debug Thugs
10:20	Ctrl + Alt + Defeat	*15:00*	*Tea Break*
10:40	DC Daggers	15:20	Byte_Force
11:00	*Tea Break*	15:40	Odd Bit Loaders
11:20	C#d3 Runn3rs	16:00	Tech Tribe
11:40	Wits-A	16:20	Techno Geeks