PARAM Ananta ACCOUNT CREATION FORM

User Details: (* form may get rejected if no mandatory information is provided)

Full Name*:   _____

Organization Name: _____

Organization Address: _____

Discipline*:   _____

Designation*:   _____

Roll No / Emp ID: _____   Programme*:   _____

Official Email address*:   _____

Mobile no.*:   _____

Project Name*:   _____

Proposed work on PARAM Ananta & Requirement of resources*:

_____

_____

_____

_____

PARAM Ananta HPC facility usage policies:

1. The resources provided to you on PARAM Ananta facility should not be used for any commercial purpose i.e., it is restricted for the academic use like research projects, academic projects, NSM projects, NSM approved MSME projects and scientific projects.

2. Sharing your login credentials with some third person will revoke the responsibility of PARAM Ananta administration committee for data theft and your account will also be disabled. The third person will also be held accountable for misusing the PARAM Ananta facility.

3. It is strictly recommended that you should not run jobs on login node and any such incident reported will result in cancellation of the job and any repeat action will result in closure of your account.

4. You will be responsible for informing the PARAM Ananta administration about your project completion, project cancellation and moving or copying data related to your project from PARAM Ananta.

5. You will be solely responsible for keeping your password strong and safe.

6. If found in any engagement or promotion of activities like hacking, reverse-engineering, violating intellectual property rights on or using the PARAM Ananta facility, you will be barred from having account on any supercomputer setup under the National Supercomputing Mission.

7. The facility is built with least downtime requirement; however, it depends on various factors like Hardware reliability, Power outage, network outage, scheduled maintenance due to which the facility could be unavailable completely/partially. Notification of all scheduled / unscheduled maintenance will be made known to the users via Website, Email, broadcast message, newsgroups etc.

8. This facility will not be used for any purpose connected with Chemical or Biological or nuclear weapons or missiles capable of delivering such Weapons.

9. Acknowledging the usage of the facility is mandatory. If you use supercomputers and services provided under the National Supercomputing Mission, Government of India, please let us know of any published results including Student Thesis, Conference Papers, Journal Papers and patents obtained.

10. User is the owner and hence responsible for all data copied and generated using PARAM Ananta and PARAM Ananta administration is not responsible for the same. Users should ensure the required backup and protection of the data.

Performa for Acknowledging the usage:

Performa for Acknowledging the usage: We acknowledge National Supercomputing Mission (NSM) for providing computing resources of 'PARAM Ananta' at IIT Gandhinagar, which is implemented by C-DAC and supported by the Ministry of Electronics and Information Technology (MeitY) and Department of Science and Technology (DST), Government of India.

Also, please submit the copies of dissertations, reports, reprints and URLs in which "National Supercomputing Mission, Government of India" is acknowledged to:

HoD, HPC Technologies,
Centre for Development of Advanced Computing,
CDAC Innovation Park,
S.N. 34/B/1,
Panchavati, Pashan,
Pune – 411008
Maharashtra

Email: anantasupport@iitgn.ac.in

Communication of your achievements using resources provided by National Supercomputing Mission, will help the Mission in measuring outcomes and gauging the future requirements. This will also help in further augmentation of resources at a given site of National Supercomputing Mission.

I acknowledge the above-mentioned usage policies & terms and conditions.

User's signature: _____

Recommended/Not Recommended

Signature of Faculty Supervisor/Project Investigator*:

Full Name: _____

Designation: _____

Discipline: _____

Official Email address: _____

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Only for Official Use

Approving Authority for NSM

Verified by:

Approving Authority:

Approved/Not Approved:

Remarks:

_____

Name, Signature and seal of approving authority

Annexure - I

Information required for NSM (National Supercomputing Mission) users

(To be filled by Applicant)

Domain(s)*:

Sub-domain(s)*:

Application name(s)*:

(Indicative list of Domains and some of its applications)

Domain Name	Application Name
Astronomy & Astrophysics	ATHENA, CosmoMC
Atomic & Molecular Sciences	Gromacs, LAMMPS, NAMD, AMBER (Open Source)
Computational Biology	Biopython
Bioinformatics	mpiBlast, Clustaw- MPI,Fasta, Artemis, T-coffee
Chemical Sciences	Gromacs, LAMMPS, NAMD
Climate & Environment Sciences	MOM,Weather Research Forecasting model (WRF), COSMO
Computational Fluid Dynamics	OpenFoam, Tycho, Gerris flow Solver
Computational Physics	OOFEM
Computational Sciences	Gromacs, LAMMPS, NAMD, AMBER (open source)
Data analytics	RStudio, Apache Spark
Geological Sciences	Ferret
Data Visualization	GRADS, Ferret, ParaView
Material Sciences	Quantum Espresso, Q-chem
Quantum Mechanics	Abinit, NWChem, CP2K
Structural Engineering Mechanics	CODE-ASTER
AI/ML/DL	Tensorflow, Nvidia digits, pandas, numpy
Image Processing	OpenCV, Matplotlib, Scikit-image
Atmospheric/Ocean Modelling	MOM,Weather Research Forecasting model (WRF)

Please specify other application name if not listed above