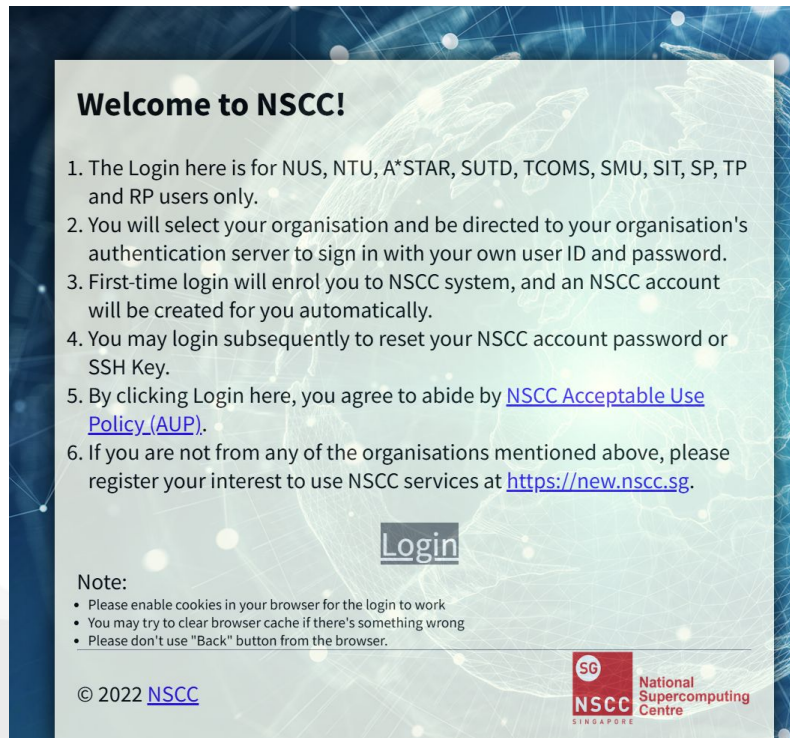


Projects Portal Guide

Things to Note

1) Self-registration

- For NUS, NTU, A*STAR, SUTD, TCOMS, SMU, SIT, SP, TP and RP users
- Registration via: <https://user.nscg.sg/saml/>



Welcome to NSCC!

1. The Login here is for NUS, NTU, A*STAR, SUTD, TCOMS, SMU, SIT, SP, TP and RP users only.
2. You will select your organisation and be directed to your organisation's authentication server to sign in with your own user ID and password.
3. First-time login will enrol you to NSCC system, and an NSCC account will be created for you automatically.
4. You may login subsequently to reset your NSCC account password or SSH Key.
5. By clicking Login here, you agree to abide by [NSCC Acceptable Use Policy \(AUP\)](#).
6. If you are not from any of the organisations mentioned above, please register your interest to use NSCC services at <https://new.nscg.sg>.

Login

Note:

- Please enable cookies in your browser for the login to work
- You may try to clear browser cache if there's something wrong
- Please don't use "Back" button from the browser.

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2) Account Request Form

- For all other users
- Buffer up to 5 working days
- Request via <https://new.nscg.sg/>



NSCC ACCOUNT CREATION FORM

Please complete the form to request for a user account. Kindly note that it will take 7 working days to process the creation of user account.

Important: If you are from **A*STAR, NTU, NUS, SUTD, TCOMS, SMU, SIT, SP, TP or RP**, you may skip this form and proceed to **New User Enrolment**.

NSCC's Official Site
NSCC's Help Site

PERSONAL INFORMATION

Salutation* Select an option ▾	First name* First name	Last name* Last name
Nationality* Singaporean	Preferred NSCC User ID* XXXXXXXX	

Note: User ID is limited to 8 characters and subjected to availability and approval. A new User ID will be assigned if the requested User ID is not available.

ORGANISATION INFORMATION

Name of Organisation* Name of organisation	
Department* Department	Designation* Designation

1 Basic Information

Projects Portal



Welcome to the NSCC Projects Portal. This portal allows you to create an application, as well as to renew, view and update the deliverables for your existing projects. Please refer to the Projects Portal User Guide if you require assistance to navigate the portal.

ACTIONS

Request or view projects here

Announcement 1

Manage Project

Create Project

Logout

Project Request Form

Please remember to complete and submit your application form before the end of the application window. If you wish to continue your application later, remember to click the "Save Draft" button.

1. Please ensure you click "Submit" after completing the application.

2. The Principal Investigator (PI) must be informed if the application is being submitted on their behalf.

Basic Information

Project Name *

Please use the same project name as per your funding application.

3. Please use the same Project Name as the one used in your funding application. This will facilitate verification by your Research Office.

Project Description *

Describe your project, including the following information:

Primary Scientific Domain*

Please Select One

Additional Scientific Domains

Organisation

Choose...

If Others, please state

Software Application *

e.g. VASP, LAMMPS, GROMACS, etc.

Type of computation *

Principal Investigator / Project Supervisor *

Please provide the contact information of the Principal Investigator (PI) or supervisor. For group projects, please note that the applicant should be the PI or a team member authorised by the PI to submit the application on their behalf.

This must be a person different from the Project Applicant.

For users from IHLs (SIT, SMU, SUSS, NP, NYP, RP, SP, TP), the PI / project supervisor must be from the same institute as the applicant.

Name *

Salutation *

Choose...

Organisation *

Department *

Contact Number *

Official Email *

Add member 0 - members

Have you or your project member(s) used NSCC systems before?

☐ Yes ☒ No

Save Draft

4. Provide valid NSCC UserIDs of the members the PI wishes to add to the Project Folder and indicate if any of them have used NSCC systems before. Names and email addresses will not be accepted.

2 Project Type

Projects Portal



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Project Request Form

Please remember to complete and submit your application to continue your application later,

1 Basic Information 2 Project Type 5 Summary

5. The Project Grant ID refers to the approved Grant ID given by the project's grantor/funding agency. It is NOT NSCC Project ID.

* Note that your project must be RIE funded.

Project Grant ID*

Project Start Date *

Date

Project End Date *

Date

6. This refers to the duration of your research project. For multi-year projects, please indicate the full project duration accordingly.

Is your project under any of the programme/RIE Pillars/domain listed below?

Domain

Please Select One

If your Domain is not in the list (Others), please elaborate:*

Overall project funding (SGD)

This question is required for us to have a high-level understanding of the scale of your project.

Status of Project funding *

Please Select One

If your project funding has yet to be approved, please state when you will be expecting to receive the results.

Date

Is there a compute budget (out of the overall project funding) allocated?

If yes, how much compute budget has been allocated (out of the overall project funding)? Please provide in SGD

<Leave blank if your answer is No. Note that projects without compute budget will not be prioritised.>

If no, please provide reasons below.

<Leave blank if your answer is Yes.>

7. Projects MUST have a sufficient budget allocated for compute resources to cover the entire project duration. Projects indicating zero compute budget will not be given priority.

8. Remember to click "Save Draft" after completing each segment.

Back

Save Draft

Next

3 Project Deliverables

Projects Portal



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ACTIONS

Request or view projects here

Announcement 1

Manage Project

Create Project

Logout

Project Request Form

Please remember to complete and submit your application form before the end of the application window. If you wish to continue your application later, remember to click the "Save Draft" button.

1	2	3	4	5
Basic Information	Project Type	Project Deliverables	Project Resources	Summary

Please provide the expected deliverables throughout the full duration of your project. Indicate the manpower involved in the project only and not the entire research lab/Institute. Select the relevant checkboxes and input the values. You need to select at least one deliverable type.

Training R&D Manpower for the Industry

Master Students Trained	☐	
PhD Students Trained	☐	
Total No. of RSEs Involved	☐	
Master/PhD Students Spun Out as RSEs	☐	
Research Staff Spun Out as RSEs	☐	
No. of Post-doctoral Researchers Hired	☐	

Developing Long Term R&D Capability

Joint Program/Projects with Local Universities	☐	
No. of Invention Disclosures	☐	
No. of Patents Filed	☐	
No. of Patents Granted	☐	
No. of Patents Commercialised	☐	
No. of Papers Published in International Journals	☐	
No. of Presentations at International Conferences	☐	
No. of External Awards at International Level	☐	

Is this an industry collaboration project? If yes, please identify all external partners, not limited to industry, such as overseas institutions (if any). If there are no external partners, please indicate "NA".

If you are unable to provide the full details required, please state your reasons here.

What is the nature and scope of the collaboration with the external partners? If there are no external partners, please indicate "NA".

If you are unable to provide the full details required, please state your reasons here.

What is the nature and scope of the collaboration with the external partners? If there are no external partners, please indicate "NA".

If you are unable to provide the full details required, please state your reasons here.

Would the research outputs (e.g. models, codes) generated using NSCC resources be shared with external research communities? If yes, please share more details.

If you are unable to provide the full details required, please state your reasons here.

9. Remember to click "Save Draft" after completing each segment.

Back

Save Draft

Next

4 Project Resources (Part 1)

Projects Portal



Welcome to the NSCC Projects Portal. This portal allows you to create an application, as well as to renew, view and update the deliverables for your existing projects. Please refer to the Projects Portal User Guide if you require assistance to navigate the portal.

ACTIONS

Request or view projects here

Announcement 1

Manage Project

Create Project

Logout

Project Request Form

Please remember to complete and submit your application form before the end of the application window. If you wish to continue your application later, remember to click the "Save Draft" button.

1	2	3	4	5
Basic Information	Project Type	Project Deliverables	Project Resources	Summary

- * You should submit your request in terms of CPU core hours for CPU-only jobs / GPU card hours for GPU jobs.
- * Each GPU card-hour requested on ASPIRE2A and ASPIRE2B includes 16 and 24 free CPU core-hours, respectively, within the same GPU node(s). If you need CPU core-hours on CPU-only nodes, request them separately, as they are charged separately.
- * They will be converted into Service Units (SU) automatically in the system.
- * ASPIRE2A+ is a GPU-only system. Please request this system if your project only requires GPU resources.
- * NSCC reserves the rights to allocate resources based on the project size, system availability, computational requirements, and other applicable factors.

Please provide the quarterly projection for the first 12 months:

	CPU core hours: (ASPIRE2A) ⓘ	GPU card hours: (ASPIRE2A - A100) ⓘ	GPU card hours: (ASPIRE2A+ - H100) ⓘ	CPU core hours: (ASPIRE2B) ⓘ
Q1	0	0	0	0
Q2	0	0	0	0
Q3	0	0	0	0
Q4	0	0	0	0

If your project is a multi-year project, please provide a yearly projection of the resources required:

	CPU core hours: (ASPIRE2A) ⓘ	GPU card hours: (ASPIRE2A - A100) ⓘ	GPU card hours: (ASPIRE2A+ - H100) ⓘ	CPU core hours: (ASPIRE2B) ⓘ	GPU card hours: (ASPIRE2B - H200) ⓘ
2nd year	0	0	0	0	0
3rd year	0	0	0	0	0

Add **Delete**

10. Approved projects will receive 100% of their requested HPC resources for the entire project duration. (For e.g., if the approved project has a duration of 3 years, the award will be given for 3 years. PI will not need to apply for annual renewals.)

Your Request:

Calculation of CPU resource ⓘ

Provide a calculation to justify the CPU resource requested, including statistics of CPU core count per job, run time, wall time, and number of jobs. Leave blank if you do not request for CPU core hours.

For example (please elaborate on the job types):

Job type 1: (128 cores per job) * (100 hours) * (100 jobs) = 1,280,000 core hours

Job type 2: (256 cores per job) * (24 hours) * (50 jobs) = 307,200 core hours

Calculation of A100 GPU resource ⓘ

Provide a calculation to justify the A100 GPU resource requested, including statistics of A100 GPU core count per job, run time, wall time, and number of jobs. Let us know if you require node-local storage. Leave blank if you do not request for GPU core hours.

For example (please elaborate on the job types):

Job type 1: (1 card per job) * (100 hours) * (100 jobs) = 10,000 card hours

Job type 2: (4 card per job) * (24 hours) * (200 jobs) = 19,200 card hours

4 Project Resources (Part 2)

Projects Portal



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ACTIONS

Request or view projects here

Announcement 1

Manage Project

Create Project

Logout

Calculation of H100 GPU resource ⓘ

Provide a calculation to justify the H100 GPU resource requested, including statistics of H100 GPU core count per job, run time, wall time, and number of jobs. Leave blank if you do not request for H100 GPU core hours.
For example (please elaborate on the job types):
Job type 1: (1 card per job) * (24 hours) * (100 jobs) = 2,400 card hours
Job type 2: (16 card per job) * (120 hours) * (10 jobs) = 19,200 card hours

Calculation of 2B CPU resource ⓘ

Provide a calculation to justify the 2B CPU resource requested, including statistics of CPU core count per job, run time, and number of jobs. Leave blank if you do not request for CPU core hours.
For example (please elaborate on the job types):
Job type 1: (192 cores per job) * (100 hours) * (100 jobs) = 1,920,000 core hours
Job type 2: (384 cores per job) * (24 hours) * (50 jobs) = 460,800 core hours

Calculation of H200 GPU resource ⓘ

Provide a calculation to justify the H200 GPU resource requested, including statistics of GPU card count per job, run time, and number of jobs. Leave blank if you do not request for H200 card hours.
For example (please elaborate on the job types):
Job type 1: (1 card per job) * (24 hours) * (100 jobs) = 24,000 card hours
Job type 2: (16 cards per job) * (120 hours) * (10 jobs) = 19,200 card hours

Total request for Project Storage (GB) on ASPIRE2A

50GB is the minimum requirement for storage

Calculation for storage request on ASPIRE2A

Does the ASPIRE 2A project require AI system access?

☐ Yes ☒ No

AI GPUs are specialised nodes with fast local NVMe storage for large-scale AI/ML training and require separate queue/project access.

Total request for Project Storage (GB) on ASPIRE2A+

50GB is the minimum requirement for storage

Calculation for storage request on ASPIRE2A+

Total request for Project Storage (GB) on ASPIRE2B

50GB is the minimum requirement for storage

Calculation for storage request on ASPIRE2B

11. Remember to click “Save Draft” after completing each segment.

Back

Save Draft

Next

5 Summary

Projects Portal



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ACTIONS

Request or view projects here

Announcement 1

Manage Project

Create Project

Logout

Project Request Form

Please remember to complete and submit your application form before the end of the application window. If you wish to continue your application later, remember to click the "Save Draft" button.

1 2 3 4 5
Basic Information Project Type Project Deliverables Project Resources Summary

Your Request Summary:

Info	Q1	Q2	Q3	Q4	Total core / card hours	Total SU
CPU request:	0	0	0	0	0	0
A100 GPU request:	0	0	0	0	0	0
H100 GPU request:	0	0	0	0	0	0
CPU(2B) request:	0	0	0	0	0	0
H200 GPU request:	0	0	0	0	0	0

Resources Request for the 1st year

#You Requested:	ASPIRE2A	ASPIRE2A+	ASPIRE2B
CPU core hours	0	-	0 (2B)
GPU card hours	0 (A100)	0 (H100)	0 (H200)
Storage	- GB	- GB	- GB

Requirement Calculation

Calculation for CPU core hours:
Calculation for A100 GPU card hours:
Calculation for H100 GPU card hours:
Calculation for CPU 2B core hours:
Calculation for H200 GPU card hours:
Calculation for Storage ASPIRE2A:
Calculation for Storage ASPIRE2A+:
Calculation for Storage ASPIRE2B:
Does the ASPIRE 2A project require AI system access?
No

Project Information

Project description:

Project Significance:

Basic Information

Scientific Area:
Scientific Area - Others:
Software Application:
Organisation:
Type of computation:
project_start: NULL
project_end: NULL

Principal Investigator / Project Supervisor

Salutation:
Name:
Email:
Department:
Organization:
Contact:
Have you or your project member(s) used NSCC systems before? No

Project Type

Project Deliverables

Note to Project Applicants:

- 1) Draft and late applications will not be considered. Please ensure that your application is submitted and not in draft status.
- 2) Note that application results will be notified via the PI's respective Research Offices. Please do not refer to this project portal for project results.

☐ I accept and agree to adhere to the terms and conditions stated in the NSCC Acceptable Use Policy (AUP).

Back Save Draft Submit

12. Remember to click "Submit" after verifying that all information is accurate.

Projects Portal



Welcome to the NSCC Projects Portal. This portal allows you to create an application, as well as to renew, view and update the deliverables for your existing projects. Please refer to the Projects Portal User Guide if you require assistance to navigate the portal.

ACTIONS

Request or view projects here

 **Announcement** 1

 **Manage Project**

 **Create Project**

 **Logout**

Welcome, limkahyo

 [Click here to view the latest announcements.](#)

Call for Research Projects

The Projects Portal currently only shows ongoing projects under the Call for Projects. Note that only the Project Applicant can see the projects listed here. If you are a project member, you will not be able to see the project listing.

 **Create Project**

Show entries

All 2

Submitted 2

Approved

Under Review

Action Required

Ready for Renewal

Revise

Rejected

Test 31 Mar 26 v2

limkahyo - Created Date 03-31-2026, 3 days ago

Biology

Application ID
#4422

Project ID
Pending

Project Status
SUBMIT



Requested Resources

Actions

[View](#)

13. Check that the Project Status is listed as "SUBMIT". Projects with a status of "REVISE" or "DRAFT" will not be considered.

Test 31 Mar 26

limkahyo - Created Date 03-31-2026, 3 days ago

Chemistry

Application ID
#4421

Project ID
Pending

Project Status
SUBMIT



Requested Resources

GPU (H200):

17920 (SU)

Storage (ASPIRE2B):

50 (GB)

Actions

[View](#)

1 Workshops & Clinics

- | | | |
|----|--|--|
| a) | ASPIRE 2A / 2A+ Intro Workshops
(Mandatory for all new users) | Register via link
https://help.nscg.sg/aspire2a/workshop/ |
| b) | HPC Clinic (quarterly) | Look out for EDM to register |

2 Online Guides & FAQs

- | | | |
|----|--|---|
| a) | NSCC Knowledge Hub | https://nscgsg.github.io/ |
| b) | Assessing the system, job submissions, file transfer, etc. | https://help.nscg.sg/aspire2a/faqs/ |
| | ASPIRE 2A Quick Start Guide | https://help.nscg.sg/wp-content/uploads/2024/06/ASPIRE2A-General-Quickstart-Guide-1.pdf |
| | ASPIRE 2A+ Quick Start Guide | https://help.nscg.sg/wp-content/uploads/ASPIRE2A-Plus-General-Quick-Start-Guide.pdf |
| c) | SRA policy | https://www.nscg.sg/srapolicy/ |

3 Consultation

- | | | |
|----|---------------|---|
| a) | Frontier Team | Send your queries to Projects Admin via
projects-admin@nscg.sg |
|----|---------------|---|

Thank you