# NSCC Projects Portal Application Form (Offline)

– 17 Jul 2019

## 1. Basic Information

**\* Mandatory fields**

**Project ID (optional, for renewal applications only):**
Project ID.

\* **Project Name:**
Project name.

\* **Project Description:**
Please provide a summary that accurately describes your project, including the following information: project objectives; scientific rationale; innovation potential; expected outcomes and scientific advances.

**Project Significance (National or Global benchmark), if any:**E.g. Is the project unique, possibly game-changing or potentially world-ranked? Can the project significantly impact the national agenda, i.e. economic, social, environment, R&D, etc.

\* **Scientific Area:**

Choose an item.

**If others, please state:**
Other scientific area

\* **Industry Transformation Map (ITM) Sector:**

Choose an item.

\* **Software/Applications:**
*Specify all software/application packages that will be used, including post-processing packages and your self-compiled applications.*
sfsfs

\* **Type of Computation:**
E.g. CFD, Modelling Simulations, etc.

\* **Organisation:**
Choose an item.

**If others, please state:**
Other organisations

\***Project Start Date:**
YYYY-MM-DD.

\***Project End Date:**
YYYY-MM-DD.

Principal Investigator/Project Supervisor

*The Principal Investigator (PI) is responsible for the management and supervision of the project. All project-related requests through email must be sent by the PI, or in the case where the applicant is not the PI, the PI must be copied in the email in order to verify the legitimacy of the request.*

**\* Name:**
Name as in grant, if applicable

**\* Salutation:**
Choose an item.

**\* Organisation**:
Organisation as in grant, if applicable.

**\*Department:**
Department as in grant, if applicable

**\* Contact Number:**

PI’s official contact number

**\* Official Email:**
PI’s official email address

## 2. Project Type

*Please select at least one project type.****Grant Project****: projects supported by institutional, national or international grants.****Stakeholder Industry Project****: projects that are part of an industrial collaboration.****National Initiative Project****: projects that contribute to national interest.****General Project****: all other projects, including individual and group research.*
**\* Mandatory fields**

[ ] Grant Project

\* **Grant Scheme:**
Choose an item.

**Others:**
Other grant schemes.

\* **Main Grant ID:**
Main grant ID

**Additional Funding Agencies:**
*If you have more than****one****funding agencies, please provide the grant scheme, grant ID and contact details here.*
Additional funding agencies’ details

**Information of Contact Person from Funding Agency:**

\* **Name:**
Funding agency contact name

\* **Official Email:**
Funding agency contact email

\* **Contact Number:**
Funding agency contact number

\* **Grant Start Date:**
YYYY-MM-DD

\* **Grant End Date:**
YYYY-MM-DD

**Additional Information:**
*If you are unable to provide the full details required, please state your reasons here.*
Additional information

[ ] Stakeholder Industry Project

\* **Estimated Dollar Value:**
(Please indicate "0" if the value cannot be disclosed.)

Please enter numbers (integers) only.

**\* Industry Partners:**You may use descriptive phrases if you prefer not to disclose the partner. E.g. Leading aviation firm; Large multinational engineering company.

[ ] National Initiative Project

**\* Related Agencies**:
Click or tap here to enter text.

\* **Contribution to national interest**:
Click or tap here to enter text.

[ ]  General Project

\* **Project Details:**
Purpose of project and reason for requiring NSCC resources.

## 3. Expected Deliverables

*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 Industry

Master Students Trained:  Please enter numbers (integers) only.

PhD Students Trained: Please enter numbers (integers) only.

Total No. of **RSEs** Involved: Please enter numbers (integers) only.

Master/PhD **Students** Spun Out as **RSEs**: Please enter numbers (integers) only.

Research Staff Spun Out as RSEs: Please enter numbers (integers) only.

No. of Post-doctoral Researchers Hired: Please enter numbers (integers) only.

Developing Long Term R&D Capability

Joint Project with Prestigious International Organisations: Please enter numbers (integers) only.

Joint Program/Projects with Local Universities: Please enter numbers (integers) only.

No. of Invention Disclosures: Please enter numbers (integers) only.

No. of Patents Filed: Please enter numbers (integers) only.

No. of Patents Granted: Please enter numbers (integers) only.

No. of Patents Commercialised: Please enter numbers (integers) only.

No. of Papers Published in International Journals: Please enter numbers (integers) only.

No. of Presentations at International Conferences: Please enter numbers (integers) only.

No. of External Rewards at International Level: Please enter numbers (integers) only.

Additional Information on Project Deliverables

Click or tap here to enter text.

## 4. Project Team

*Please add users to the project using their NSCC user IDs. You may add users to the project at a later date by sending an email to**projects-admin@nscc.sg**.*

**Applicant’s User ID:**

Applicant’s NSCC user ID

**Add Member’s User ID:**

Separate each user ID with a comma. (E.g. user1,user2,user3)

## 5. Project Resources

*Select the resource type(s) that you need.****You must select at least one resource type.****Project resources are always provisioned for a****one-year period****. (eg. 1 Jul 2018 to 30 Jun 2019 or 1 Jan 2019 to 31 Dec 2019) Resources requested should be at least****50 GB of storage space and/or 50,000 CPU-core hours****.

Please apply for resources only on the system that you require. NSCC currently has 2 systems:
1. ASPIRE 1 - CPUs and GPUs
2. AI System - DGX-1s*

**\* Mandatory fields**

[ ] ASPIRE 1: CPU

*Make sure the percentages sum up to 100%.*

**\* Total CPU-core hours**:
CPU required in core hours

Quarter 1 (Jan-Mar): Ensure number adds up to 100%. %

Quarter 2 (Apr-Jun): Ensure number adds up to 100%.%

Quarter 3 (Jul-Sep): Ensure number adds up to 100%.%

Quarter 4 (Oct-Dec): Ensure number adds up to 100%.%

\* **Calculation of requirements:**Minimum number of core hours = (total number of runs) x (number of cores used in a single run) x (elapsed time of a single run)
Calculations of CPU requirements

[ ] ASPIRE 1: GPU (Tesla K40)

*Make sure the percentages sum up to 100%. Please note that for accounting purposes, the entire GPU node will be counted for each allocation.*

\* **GPU Device Hours (Node hours):**GPU required in node hours

Quarter 1 (Jan-Mar): Ensure number adds up to 100%. %

Quarter 2 (Apr-Jun): Ensure number adds up to 100%.%

Quarter 3 (Jul-Sep): Ensure number adds up to 100%.%

Quarter 4 (Oct-Dec): Ensure number adds up to 100%.%

\* **Calculation of requirements:**Calculations of GPU requirements

[ ] AI System: DGX-1

*Make sure the percentages sum up to 100%.*

\* **GPU Card Hour:**DGX-1 required in node hours

Quarter 1 (Jan-Mar): Ensure number adds up to 100%. %

Quarter 2 (Apr-Jun): Ensure number adds up to 100%.%

Quarter 3 (Jul-Sep): Ensure number adds up to 100%.%

Quarter 4 (Oct-Dec): Ensure number adds up to 100%.%

\* **Calculation of requirements**:
Calculations of DGX-1 requirements

\* List of Frameworks:

[AI System has a list of applications provided through Docker containers. Your project must run on one of these.]

**(Please indicate in the “Others” field if more than 1 framework)**

Choose an item.

If others, please state:
Other frameworks

[ ] STORAGE

*This request is for the High Performance Storage System and should not be used to store transient data. Temporary storage should be stored using the scratch disk.*

\* **Storage Required (GB):**Storage required in GB

\* **Calculation of requirements:**Calculations of storage requirements

\* **Start date of resource requirement:**YYYY-MM-DD

\* **End date of resource requirement**:
YYYY-MM-DD

**Additional Remarks:**Any other remarks.