



**Office of International Relations
Indian Institute of Technology Kharagpur
Kharagpur – 721 302**

Ref: 1484/2022/OIR

Date: 21.04.2022

To,

Manish Jain,
Senior Law Officer,
Legal Cell,
IIT Kharagpur

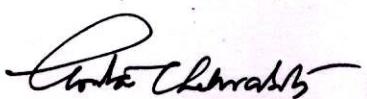
Sub: Request for reviewing the document

IIT Kharagpur and NVIDIA Corporation wish to sign an MoU for setting up an accelerated Computing Lab in the Centre for Computational and Data Sciences. In this regard, IIT Kharagpur and NVIDIA proposed that the terms and conditions of the MoU shall be confidential. Therefore, they want to enter into a Non-Disclosure Agreement annexed to the MoU as Exhibit A which will be considered as a part of this MoU.

The Non-Disclosure Agreement is enclosed herewith, for your kind review and feedback. As this document is very detailed, we would like to have your opinion regarding the appropriateness of the document.

I look forward to hearing from you at your earliest convenience with your comments, if any, on it.

Thanks and regards,

 21-4-2022

Professor Goutam Chakarborty
Associate Dean of International Relations and Ranking
IIT Kharagpur

The necessary changes has been made to the MoU.
My
04/05/2022

Associate Dean (IR&R)

Non-binding Memorandum of Understanding (MOU) for Collaborative Research Engagement

This ~~Non-binding~~ Memorandum of Understanding for Collaborative Business Engagement ("MOU") is hereby entered into by and between:

NVIDIA Corporation a Delaware corporation, on behalf of itself and its subsidiaries ("NVIDIA"), with its headquarters located at 2788 San Tomas Expressway, Santa Clara, CA 95051, on behalf of itself and its affiliates,

And

Indian Institute of Technology - Kharagpur ("IIT-KGP"), is one among the foremost institutes of national importance in higher technological education, basic and applied research. — *Addressee*.

NVIDIA, IIT-KGP are referred to collectively in this MOU as the "Parties" and individually as a "Party."

WHEREAS, NVIDIA is a global enterprise in the business of providing graphics processing unit (GPU)-based technologies with specific expertise in Artificial Intelligence (AI) and Deep Learning.

WHEREAS, Indian Institute of Technology Kharagpur (IIT-KGP) is one among the foremost institutes of national importance in higher technological education, basic and applied research.

WHEREAS, this MOU is intended to facilitate a collaborative relationship between the Parties who desire to enable and accelerate AI research, education and adoption in India, and all future mutually-agreed to collaborative activities.

WHEREAS, this MOU is intended to facilitate a Collaborative Business Engagement as follows:

NVIDIA and IIT-KGP intend to use a phased approach to collaboratively work by establishing joint NVIDIA Accelerated Computing Lab at IIT-KGP. (*Kharagpur Campus*).

NVIDIA Accelerated Computing Lab – a 'one to few' program to enable and accelerate AI research projects, focusing expertise and resources on specific research projects. The lab is a collaboration centered around project-based engagements.

Commitment from NVIDIA:

- i. NVIDIA will designate Project Lead (PL) who will be responsible for driving different research projects in this lab in collaboration with IIT-KGP faculties during the research and development stage.
- ii. NVIDIA will designate technology experts who will work with collaborators and execute research projects using accelerated technology to jointly agreed projects.
- iii. NVIDIA will in its sole discretion, provide access (**without any charges to IIT Kgp**) to the scalable computing infrastructures and early-access hardware to IIT-KGP researchers for important identified projects. NVIDIA and IIT-KGP will jointly decide on such projects.



NVIDIA.



- iv. NVIDIA will work with IIT-KGP in developing resources to support the accelerated data science research communities across the world. These resources may include e.g. FAQ, webinar, whitepaper etc.
- v. NVIDIA will support and endorse IIT-KGP researchers in writing under new funding proposals, and internship applications.
- vi. NVIDIA will provide resources including training material to jointly conduct workshops, bootcamp and hackathons.
- vii. Coordinator from NVIDIA side will jointly work with the faculty coordinator from IIT-KGP to conduct annual review of activities engendered under the MOU and to prepare an annual report each year.
- viii. NVIDIA will provide support to produce and distribute/run NVIDIA blog posts (up to 2 per year); social media support around news announcements (up to 2 per year); joint NVIDIA/IIT-KGP press tour (up to 1 per year); participate in reciprocal speaking opportunities at key AI events and conferences. Such posts in public domain must comply with the rules and regulations of both NVIDIA and IIT-KGP.

Commitment from IIT-KGP:

- i. For each of the joint research projects in this lab, there will be at least one PL (faculty) from IIT-KGP side.
- ii. IIT-KGP will commit research students /JRF-SRF-RAs dedicated for jointly agreed projects.
- iii. Access to relevant development systems, if necessary, may be provided to NVIDIA team for the research to be carried out subject to necessary approvals from IIT-KGP.
- iv. IIT-KGP faculty should provide an annual report on the collaborative research progress.
- v. Faculty coordinator from IIT side will jointly work with coordinator from NVIDIA to conduct annual review of activities engendered under the MoU after it is signed and an annual report be submitted each year.
- vi. Researchers from IIT-KGP will engage in co-developing and executing joint workshops, bootcamp and hackathons with NVIDIA.
- vii. IIT-KGP should release press notes announcing collaboration (up to 1 per year); joint NVIDIA/IIT-KGP press tour (up to 1 per year); participate in reciprocal speaking opportunities at key AI events and conferences. *Subject to approval of competent authority from IIT-KGP.*

Key Relationship Contacts:

IIT-KGP: Head, Centre for Computational and Data Sciences, IIT Kharagpur
NVIDIA: Bharatkumar Sharma (NVAITC)

1. **Nature of the Memorandum of Understanding.** This MOU is intended to foster genuine and mutually beneficial cooperation and is not intended to be, and does not constitute, a binding legal commitment, offer or agreement, and does not give rise to any legally binding obligations or liabilities of NVIDIA, IIT-KGP, or any of their respective subsidiaries and affiliates. During the term of this MOU the Parties shall remain independent contractors and this MOU shall not be construed as constituting any Party as an agent or subcontractor of the others or give effect to or otherwise imply the formation of a partnership, joint venture or other formal business organization of any kind. No Party shall be required by this MOU to enter into any ~~binding~~ agreement for any of the collaboration business opportunities and any ~~binding~~ agreement entered into by the Parties will be subject to written approval signed by the Parties ("Binding Agreement").



NVIDIA.



2. **Intellectual Property.** This MOU does not offer or grant to a Party, by implication, estoppels or otherwise, any ownership rights in, or license under, the other Parties' pre-existing intellectual property or the other Parties' intellectual property that was developed outside the scope of this MOU, such intellectual property including but not limited to patents, inventions or technical information, know-how, software, drawings, data, plans, ideas or methods. Any intellectual property developed, created or made exclusively by one Party in performance of this MOU that is not an improvement or derivative of the other Party's pre-existing intellectual property (hereinafter "Solely Developed Foreground Intellectual Property") shall be solely owned by that Party. The Parties do not intend that any intellectual property will be created jointly in the course of this MOU. If, during the term of the MOU, joint intellectual property development appears possible, the Parties agree to discuss to find an agreeable mechanism to resolve ownership of any such joint intellectual property.

3. **Non-Exclusive Agreement.** Each Party acknowledges that this MOU is not exclusive and any Party may enter into one or more other agreements with any other party to develop a similar and/or competing system. In the event any Party pursues a competing opportunity outside of this MOU (a "Competing Opportunity"), the Party pursuing the Competing Opportunity ("Competing Party") agrees in connection with such Competing Opportunity not to use or disclose to any third party the other Parties' (a) pre-existing intellectual property, including but not limited to patents, inventions or technical information, know-how, software, drawings, data, plans, ideas or methods, used or disclosed by such other Party in connection with this MOU; and (b) any such information shall be deemed to be governed by the terms of the Nondisclosure Agreement (hereinafter defined).

4. **Publicity.** No Party shall release any publicity or advertising in connection with this MOU, without the prior written approval of the other Parties.

5. **Confidentiality.** The Parties intend that the terms and conditions of the MOU shall be confidential. As a result, NVIDIA and IIT-KGP have entered into a Nondisclosure Agreement annexed to this MOU as **Exhibit A** which is considered a part of this MOU (the "Nondisclosure Agreement").

6. **Limitations of Liability.** Except for breach of Section 3 (Non-Exclusive Agreement), Section 4 (Publicity), and Section 5 (Confidentiality), no Party is subject to any legal liability resulting from performance or non-performance under this nonbinding MOU and no Party shall make a claim against, nor be liable to, the other for any damages suffered because of any performance or failure to perform any obligation hereunder even if a Party had been advised, known, or should have known of the possibility thereof, including but not limited to, lost profits, lost business revenues or other commercial or economic loss of any kind.

7. **Expenses.** The Parties will each bear their own costs associated with any activity contemplated by this MOU, and no Party is authorized or empowered to obligate or bind the other or to incur any costs on behalf of the other.

8. **Compliance with Laws.** The Parties acknowledge that the NVIDIA products (including hardware, software, services and/or technology, as applicable) described under this MOU are subject to U.S. export control laws, including the Export Administration Regulations ("EAR") and economic sanctions administered by the U.S. Department of Treasury's Office of Foreign Assets Control ("OFAC") (collectively, "U.S. export laws"). Compliance with U.S. export laws includes restrictions on destination, end-use and end-user (and if applicable depending on destination and the Export Control Classification



NVIDIA.



Number of the NVIDIA item or technology, agreement not to export, re-export, sell or otherwise transfer the item or technology to any known military or military-intelligence end-user or for any known military or military-intelligence end-use). Compliance with U.S. export laws further includes the obligations discussed in the "Export Restrictions" section of the Nondisclosure Agreement (**Exhibit A**) considered a part of this MOU.

9. **Termination.** The Parties agree that this MOU will terminate on the earliest to occur of the following:

- a. Three (3) year from the date of execution of this MOU unless mutually agreed to be extended by the Parties;
15 business days.
- b. Five (5) business days following written notice from any Party to the other Parties to the effect that the noticing Party wishes to terminate this MOU; or
- c. Mutual written agreement of the Parties.

~~In the event that the Parties execute a Binding Agreement in pursuit of a specific collaborative business opportunity, the terms of the Binding Agreement shall supersede all the terms within this MOU solely as they relate to the subject matter of the Binding Agreement.~~

10. **Amendments and Assignment.** This MOU may not be modified unless by the mutual written consent of the Parties. Any changes made to this MOU after the first Party to sign shall be void unless accepted in writing and signed by both Parties. No Party may assign this MOU in whole or in part without the prior approval of the other Parties which shall not be unreasonably withheld.

11. **Effective Date.** This MOU is effective as of the date of the last signature below.

In Witness, the Parties have executed this MOU as of the below last signed date.

Indian Institute of Technology - Kharagpur

NVIDIA Corporation

By: _____

By: _____

Name: _____

Name: _____

Title: _____

Title: _____

Date: _____

Date: _____

EXHIBIT A
NON-DISCLOSURE AGREEMENT



Mutual Non-Disclosure Agreement

This Mutual Non-Disclosure Agreement (the "Agreement") is made effective as of the last date signed ("Effective Date") by and between NVIDIA Corporation, a Delaware corporation, on behalf of itself and its Affiliates and the participant identified below and its Affiliates ("Participant") to assure the protection and preservation of Confidential Information, as defined herein, to be disclosed by one party (the "Discloser") to the other party (the "Recipient"). The purpose of disclosing Confidential Information is to permit the parties to evaluate potential business relationships between them and in order to further enter into actual business relationships or transactions, between the parties, that require access to certain Confidential Information (the "Purpose"), all subject to and in accordance with the terms and conditions of this Agreement.

1. Definitions

1.1. "Affiliates" are defined as being any corporate entity which now or hereafter, directly or indirectly Controls, is Controlled by, or under common control with a party of this Agreement. "Control" means the ownership of at least fifty percent (50%) of the outstanding shares or securities (representing the right to vote for the election of directors or other managing authority).

1.2. "Confidential Information" shall mean any and all non-public information disclosed by the Discloser to the Recipient, before or after the Effective Date, including but not limited to any technical and non-technical information, any trade secret, idea, formula, model, or test data relating to the Discloser's research projects, work-in-process, future developments, engineering, licenses, manufacturing, marketing, servicing, financing, personnel matters (including personal or sensitive data), proprietary or confidential information of third parties, past, present or future products, sales, suppliers, clients, customers, employees, investors, inventors, or business, whether disclosed in oral, written, graphic, electronic or other form. Confidential Information disclosed in tangible form shall be marked with a "confidential," "proprietary," or other similar legend. Confidential Information disclosed orally/visually will be identified as "confidential" at the time of disclosure and will be followed-up in writing to the Recipient within 30 days of disclosure and will contain the appropriate confidentiality markings.

2. Exclusions Confidential Information excludes information which the Recipient can demonstrate: (a) is now or subsequently becomes part of the public domain without restrictions on disclosure and without breaching any confidentiality obligations under this Agreement; (b) was known to the Recipient, without restrictions on disclosure, at the time of disclosure; (c) a third party hereafter furnishes to the Recipient without restrictions on disclosure and without breaching any confidentiality obligations under this Agreement; (d) the Recipient has independently developed without using any of the Discloser's Confidential Information; or (e) the Discloser gives written permission to the Recipient to disclose.

3. Obligations of Recipient. The Recipient shall: (a) not disclose Confidential Information to any third party without the prior written approval of the Discloser, including but not limited to, any third party which is in a process to acquire Recipient; (b) maintain Confidential Information and protect it with at least the same degree of care that it uses to protect its own similar categories of Confidential Information, but in no event no less than a reasonable degree of care; (c) use Discloser's Confidential Information only for the Purpose; (d) not reproduce Confidential Information in any form, except as required to accomplish the Purpose; (e) not reverse engineer, decompile or disassemble any of Discloser's Confidential Information; (f) not use Confidential Information to make, have made or sell any products or services that compete with any of the Discloser's products or services; (g) only disclose Confidential Information to the Recipient's and its Affiliates employees, contractors and external professional advisors (such as accountants, attorneys and financial advisors) (collectively "Representatives") who have a need to know Confidential Information to accomplish the Purpose and who are bound by written and binding non-unauthorized disclosure, misuse, or any breach of this Agreement by its and its Affiliates Representatives; and (h) provide the Discloser with a notice of any actual or threatened breach of this Agreement. The Recipient may disclose Confidential



NVIDIA.



Information in accordance with a demand, subpoena or order issued by a court of competent jurisdiction, judicial authority or other governmental authority, provided that the Recipient, to the extent legally permitted, shall: (i) give the Discloser prompt written notice prior to such disclosure; (ii) disclose only that portion of the information that is legally required; and (iii) disclose the information in a manner reasonably designed to preserve its confidential nature. The Recipient shall reasonably cooperate with the Discloser in its efforts to protect against such disclosure.

4. **Ownership.** No rights or licenses to trademarks, inventions, copyrights or patents or otherwise are implied or granted under this Agreement and allright, title and interest in Confidential Information shall remain with the Discloser.
5. **Term and Termination.** This Agreement shall become effective as of the Effective Date and shall continue until terminated by either party upon 30 days' written notice to the other party. Recipient's obligations hereunder shall survive the termination of this Agreement for a period of 5 years from the date of disclosure of the Confidential Information, provided however, that with respect to Discloser's trade secrets, the Recipient's obligations shall survive in perpetuity.
6. **Return of Confidential Information.** Upon the earlier to occur (i) the written request of the Discloser to return Confidential Information; or (ii) the termination of this Agreement, the Recipient shall, within 14 days, return or destroy (in accordance with the Discloser's instructions) all Confidential Information it has received from the Discloser (whether in written, tangible, electronic or other form) along with all copies (except for data stored on regular backup media during or as a result of regular backup routines in use at the Recipient) and shall certify the return or destruction thereof by written instrument signed by an authorized signatory of the Recipient. Notwithstanding the foregoing, the Recipient may retain one copy of Confidential Information for archival purposes in use at the Recipient, provided that, the provisions of Section 3 shall continue to apply to such copy.
7. **NO WARRANTY.** ALL CONFIDENTIAL INFORMATION IS PROVIDED "AS IS". THE DISCLOSER MAKES NO WARRANTIES, EXPRESS, IMPLIED OR OTHERWISE, REGARDING ITS ACCURACY, COMPLETENESS OR PERFORMANCE INCLUDING ANY WARRANTIES OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
8. **Export Restrictions.** The Recipient agrees to comply with all applicable export and import control laws and regulations. The Recipient acknowledges that Confidential Information may be subject to the export control laws and regulations of the U.S. and other countries. The Recipient confirms that it will not export or reexport the Discloser's Confidential Information, directly or indirectly, either to (i) any countries that are subject to any U.S. export restrictions (currently including, but not necessarily limited to, Cuba, Iran, North Korea, Syria, and the Region of Crimea); (ii) any end user who it knows or has reason to know will utilize them in the design, development or production of nuclear, chemical or biological weapons, missiles, rocket systems or unmanned air vehicles; or (iii) any end user who has been prohibited from participating in U.S. export transactions by any federal agency of the U.S. government.
9. **General.** This Agreement contains the final, complete and exclusive agreement of the parties relative to the subject matter hereof and supersedes all prior and contemporaneous understandings and agreements relating to its subject matter. This Agreement may not be changed, modified, amended or supplemented except by a written instrument signed by both parties. This Agreement is neither intended to nor shall it be construed as creating a joint venture, partnership or other form of business association between the parties. Any notices hereunder shall be given at the address specified below or at such other address, as a party shall specify in writing. Such notice shall be deemed given upon the personal delivery, or if sent by certified or registered mail, postage prepaid, then three (3) days after the date of mailing. This Agreement shall be binding upon and inure to the benefit of the parties and their respective successors and permitted assigns. If any provision of this Agreement is found by a proper authority to be unenforceable, that provision shall be severed and the remainder of this Agreement will continue in full force and effect. This Agreement shall be governed by the laws of the State of Delaware, without reference to its conflicts of law provisions and the parties agree to submit jurisdiction to the competent courts located in Dover, Delaware USA. The Recipient hereby acknowledges and agrees that no remedy at law will afford the Discloser adequate protection against or appropriate compensation for, breach of the Recipient's obligations under this Agreement. Accordingly, the Recipient agrees that the Discloser shall be entitled to seek equitable relief in any court of competent jurisdiction including injunctive relief and specific performance of the Recipient's obligations.

kharghul.

kharghul

This Agreement may be executed by the parties in any number of counterparts, each of which is an original but all of which together constitute one and the same instrument (whether originally signed or through facsimile, scan or other electronic copies of such signatures).

AGREED:

NVIDIA Corporation	Participant:
2788 San Tomas Expressway Santa Clara, CA 95051	Address:
By:	By:
Printed Name:	Printed Name:
Title	Title
Date: (By signing above, NVIDIA represents and warrants that NVIDIA has the authority to enter into this Agreement.)	Date: (By signing above, Participant represents and warrants that Participant has the authority to enter into this Agreement.)

Important points of the MoU between IITKGP and NVIDIA Corporation

NVIDIA Corporation (Headquarter: California, USA) is the Original Equipment Manufacturer of Graphics Processing Unit (GPU) is one of the key collaborators in National Supercomputing Mission of Government of India. GPUs are very generalized computing devices which play crucial roles in High Performance Computing and AI. Through this MoU IITKGP and NVIDIA want to establish joint NVIDIA Accelerated Computing Lab at IIT Kgp with the following objectives:

1. Encouraging joint research in the domain of High Performance Computing and AI with applications to various fields like Computational Fluid Dynamics, material research, computational biology etc.
2. Training users in IIT KGP to use GPU cores in Paramshakti in a better way for research.
3. Getting support from NVIDIA during National Supercomputing Mission nodal centre workshops and short term courses.
4. Formulation of joint courses with NVIDIA, which will be beneficial for students to carry out research in cutting-edge computational and AI technologies.

After signing this MoU NVIDIA will provide access to the scalable computing infrastructures and early-access hardware to IIT KGP researchers without any charge to IITKGP. It may be noted that some of the infrastructures are available only with NVIDIA and it will be a golden opportunity to avail them free of cost.

Some faculty members are already carrying out researches (also as externally funded projects) in active collaboration with NVIDIA. This MoU will help both IITKGP researchers and NVIDIA to continue research activities in a larger scale. More faculties will be able to engage in these activities and more students/research scholars will get opportunity to work under this MoU.

In short the researches on AI and computing, which is one of the Institute's focus areas, will be greatly profited through this MoU.

Pratik Chakraborty
18-4-2022

A Dean IR/R

Director

1) Pl. discuss
2) Have you checked the clauses of
NDA? (Flag-A).
AKC 20/04/2022



Office of International Relations
Indian Institute of Technology Kharagpur
Kharagpur - 721 302

DEputy DIRECTOR'S OFFICE
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A 08 MAR 2022
OUT
IIT KHARAGPUR

Ref: 1451/2022/OIR

Date: 28.02.2022

Sub: Request for Approval for Signing of the MoU with NVIDIA Corporation, Delaware USA

IIT Kharagpur and NVIDIA Corporation wish to sign the MoU for setting up an Accelerated Computing Lab in the Centre for Computational and Data Sciences. The draft MoU was first presented at the MoU committee meeting on August 12, 2021. The committee had suggested certain modifications to the draft. The revised draft was shared with NVIDIA and they had given their concurrence to the recommended modifications.

The modified draft MoU was placed to the Director for his approval on February 03, 2022. The Director recommended that justification of signing the MoU be presented for further consideration. Following which, the justification of signing the MoU (the document has been enclosed) was provided by Prof. Somnath Ray, the coordinator of the MoU. The suggested modification has been incorporated in the MoU after a meeting with ADeanIR and Director on February 11, 2022, and the final draft is now being placed for Director's kind approval.

The supporting email correspondence and Minutes of meeting are enclosed. Director is requested to kindly approve the signing of the MoU. Dean SRIC is the suggested signatory of the MoU.

This is placed for your kind consideration and approval.

Associate Dean IR

Dean OR

Deputy Director

Director

Pl. answer (A) next page?

09.03.2022

Please see the attached page.

18-4-2022



Office of International Relations
Indian Institute of Technology Kharagpur
Kharagpur - 721 302



Ref: 1440/2022/OIR

Date: 31.01.2022

Subj: Request for approval for signing of the MoU with NVIDIA Corporation, Delaware USA

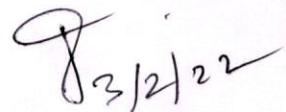
IIT Kharagpur and NVIDIA Corporation wishes to sign the MoU for setting up an Accelerated Computing Lab in the Centre for Computational and Data Sciences. The draft MoU was first presented at the MoU committee meeting on August 12, 2021. The committee had suggested certain modifications to the draft. The revised draft was shared with NVIDIA and they have given their concurrence to the recommended modifications.

The supporting email correspondence and Minutes of Meeting are enclosed. Director is requested to kindly approve the signing of the MoU. Dean SRIC is the suggested signatory of the MoU.

This is placed for your kind consideration and approval.



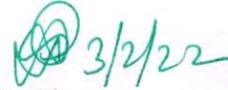
Associate Dean IR & R



8/3/22

Dean OR

Forwarded for consideration and approval.



3/2/22

Deputy Director

2) What are the factors of the instant MoU?
Dear (OIR)
Assoc. Dean (IR&R)



10 Feb. 2022

Director



Office of International Relations
Indian Institute of Technology Kharagpur

**Proposal for entering into an institutional MoU with a national/international
partner university/ institution/ organization**

Instructions: Please submit the signed hardcopy along with supporting documents to Dean IR

Please email scanned copy of this form along with softcopies of supporting documents to:

moutrack@adm.iitkgp.ac.in, aedanir@adm.iitkgp.ac.in

Name and address of proposed partner	NVIDIA Corporation a Delaware corporation ("NVIDIA"), with its headquarters located at 2788 San Tomas Expressway, Santa Clara, CA 95051
National / international standing of proposed partner	NVIDIA'S INVENTION OF THE GPU: In 1999 sparked the growth of the PC gaming market, redefined modern computer graphics, and revolutionized <u>parallel computing</u> . More recently, GPU deep learning ignited <u>modern AI</u> – the next era of computing – with the GPU acting as the brain of computers, robots, and self-driving cars that can perceive and understand the world
Extent of past / ongoing collaborations between IIT Kharagpur and proposed partner	Nvidia has been working with IIT Kharagpur on many technical collaborations including: <ul style="list-style-type: none">■ Conducting <u>bootcamps and training courses on HPC and AI</u> through <u>NSM Nodal Centre</u> at IIT Kharagpur■ Working on joint Research projects in the domain of HPC and AI and their applications to various fields like CFD, materials, computational biology etc■ Jointly running Micro-credit course■ Supports in other NSM activities

IIT Kharagput NVIDIA MOU-v2_Clean.01.05.22.doc

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Expected activities in the next 3 years if MoU is signed	-- Catalyze R&D: Advancing the research landscape in areas of HPC, AI and Convergence of both by jointly working on projects along with Govt initiatives like NSM. -- Talent Development: Train the students on latest technology advancement with industry applied use cases by jointly working on curriculum/mini-credit/workshops courses. -- Development of AI-HPC enabled technologies in niche areas- NVIDIA's technical support in AI-HPC and IIT Kgp's domain expertise will come under same platform through this activity
How the MoU will benefit IIT Kharagpur	<ol style="list-style-type: none"> 1. Foster AI – HPC collaborations: NVIDIA will contribute engineering expertise, as well as the compute power and software required to accelerate the lab's work. 2. Connecting to a larger community of computational scientists as NVIDIA has similar collaborations with number of universities across globe and they host common programs for them 3. IIT Kgp researchers on using GPU platforms (especially Paramshakti) 4. NVIDIA's support on HPC Nodal Centre activity and other NSM programs 5. Joint courses with NVIDIA will be beneficial for students in equipping themselves with cutting edge computational and AI technologies and industry standards.
Does the proposed partner have an MoU with any other IIT? If yes, please give details	Yes (IIT Hyderabad). IIT Hyderabad and Nvidia signed a joint MoU to work on AI projects related to Autonomous Navigation based on Nvidia Self Driving Car technologies.
Has the proposed partner accepted IIT Kharagpur's standard MoU template?	No
If No above, has the proposed partner suggested any MoU draft? If yes, please attach	Yes
MoU proposed by (Name, Designation and Signature of Proposing Faculty)	<p>Name: Somnath Roy Designation: Associate Professor Affiliation: Mechanical Engineering, IIT Kharagpur & PI, NSM Nodal Centre for Training in HPC & AI Email: somnath.roy@mech.iitkgp.ac.in Phone: 03222282920 9007942156</p> <p>Signature:</p> <p><i>Somnath Roy</i></p>

Recommended by Head/Dean (Signature with date and seal)	<p><i>Pabitra Mitra</i></p> <p>आधिकारिक / Head अधिकारिक एवं डाटा विज्ञान केन्द्र Centre for Computational and Data Sciences भारतीय प्रौद्योगिकी संस्थान खड़गपुर Indian Institute of Technology Kharagpur</p>
Forwarded by Dean IR	
Approval by DD for placing at MoU Committee	
OIR Notings	