JOINT DEGREE PROGRAMME AGREEMENT

INDIAN INSTITUTE OF TECHNOLOGY KANPUR
And
NATIONAL UNIVERSITY OF SINGAPORE
THIS AGREEMENT is made on the fourth day of December 2013

BETWEEN:

1. Indian Institute of Technology Kanpur, of Kalyanpur, Kanpur, Postcode 208016, Uttar Pradesh, India (IITK); and

2. National University of Singapore, of 21 Lower Kent Ridge Road, Singapore 119077, (NUS),

(each a "Party", and together the "Parties").

RECATIALS

A. On May 31, 2008 the Parties entered into a Memorandum of Understanding (the "MOU") to develop academic exchanges and cooperation in teaching and joint research between faculty and students of IITK and NUS.

B. In furtherance of the objectives set out in the MOU, the Parties now wish to offer joint Doctor of Philosophy ("PhD") programmes in the fields of Computing, Engineering and Science (collectively the "JDPs" and each a "JDP") on the terms set out in this agreement (the "Agreement").

The Parties agree as follows:

1. DEFINITIONS AND INTERPRETATION

1.1 In this Agreement, unless the content of the subject matter otherwise requires:

(a) Academic Regulations means regulations, as may be amended from time to time and which set out, among other things, the conditions for admission to a degree or other award, the requirements for assessment and examination, requirements for a thesis and attendance requirements. In respect of IITK, the Academic Regulations may be viewed at: "www.iitk.ac.in/doaa/PG_Manual.pdf"; and in respect of NUS, the Academic Regulations may be viewed at: "www.nus.edu.sg"

(b) Commencement Date means 15th Day of December 2013.

(c) Confidential Information means any information disclosed by one Party (the Disclosing Party) to another Party (Receiving Party) that has been designated either orally or in writing as confidential or that ought to be considered as confidential (however it is conveyed or on whatever media it is stored) including (but not limited to) information which relates to the business, affairs, properties, assets, trading practices, developments, trade secrets, intellectual property, know how, personnel, students and suppliers of a Party.

(d) Home Institution for NUS students is NUS and for IITK students is IITK.
(e) **Host Institution** for NUS students is IITK and for IITK students is NUS.

(f) "**Intellectual Property**" means all know-how, inventions (whether patentable or not), patents, patent applications, trademarks, service marks (whether registered or not), domain names, meta tags, copyrights, design rights and applications thereof, registered designs, moral rights, rights relating to computer software, database rights and rights in databases and any similar property rights, other industrial or intellectual property right.

(g) **Joint Degree Student** means a student who is participating in the JDP.

(h) **Regulations** means the Constitution, Ordinances, Statutes, Regulations (other than the Academic Regulations) and the other governance documents of IITK or NUS including procedures in respect of complaints, misconduct and appeals, as the case may be, as amended from time to time.

(i) **Working Day** means Mondays through Fridays but will not include Saturdays, Sundays or public holidays in India and Singapore.

2. **PRINCIPLE AND SCOPE**

2.1 The JDP is a joint research programme leading to the award of a PhD. Joint Degree Students will be registered with both NUS and IITK. They will be guided in their work by academic staff from both Parties, and examined to the standards of both Parties. Upon successful completion of the JDP, the Joint Degree Student will be conferred a PhD degree awarded jointly by NUS and IITK.

2.2 Due to a limited number of JDP exchanges to start with, focus will primarily be on all areas of collaboration between both Parties' School of Computing, Faculty of Science and Faculty of Engineering. Based on the success of the JDP and mutual interest and agreement of both Parties, the JDP may be extended to other disciplines in the near future.

3. **TIMING AND TERMINATION OF JDP**

3.1 The first intake for the JDP will commence in December 2013/January 2014. This Agreement shall come into force on the Commencement Date, and continue for a period of five (5) years, unless otherwise terminated in accordance with Clauses 3.2 or 3.3 below, or extended by mutual agreement of the Parties.

3.2 This Agreement may be terminated by mutual consent or by either Party giving six (6) months prior written notice to the other Party.

3.3 Either Party may terminate this Agreement if the other is in default or in breach of any provision under this Agreement provided that the aggrieved Party has first given one (1) month's written notice to the other Party to remedy and/or rectify its breach and/or default within such time. If the default and/or breach has not been remedied at the expiry of the specified time the aggrieved Party may by written
notice terminate this Agreement with immediate effect. Where either Party is in default or in breach of this Agreement and such breach/default is incapable of remedy, the other Party shall be entitled to terminate this Agreement with immediate effect by way of written notice to the other Party.

3.4 In the event that this Agreement is terminated in accordance with this Clause 3.2 or 3.3 above, the Parties will use their best endeavours to ensure that Joint Degree Students enrolled in the JDP at the time of termination are able to satisfy the requirements of and complete the JDP in which they are enrolled. If it is not possible for a Joint Degree Student to complete his/her JDP, the said Joint Degree Student may, complete one of the single degrees offered by his/her Home Institution, as determined by his/her Home Institution. The Parties agree that a Joint Degree Student undertaking a single degree as a consequence of this clause will be given credit for all relevant courses and research previously undertaken by the said Joint Degree Student at both IITK and NUS as part of the JDP.

3.5 If this Agreement is terminated:

3.5.1 NUS shall cease the use of the names "Indian Institute of Technology Kanpur", "IITK" or any other names of IITK in connection with NUS or in any other way which suggests or implies any continued association with IITK in respect of the JDP, and all diplomas, signage, stationery, catalogues, promotional materials or similar items shall be revised accordingly; and

3.5.2 IITK shall cease using the names "National University of Singapore", or "NUS" or any other names of NUS in connection with IITK or in any other way which suggests or implies a continued association with NUS in respect of the JDP, and all diplomas, signage, stationery, catalogues, promotional materials or similar items shall be revised accordingly.

4. JDP COMMITTEE

4.1 A JDP committee (the "JDP Committee") will be established by both Parties to oversee all academic, administrative and operational matters relating to the JDP. It will comprise of two (2) sub-committees, one from each party. Each sub-committee shall have four (4) academic members; one of which shall chair the sub-committee. The Chair of the JDP Committee will be rotated between the two sub-committee Chairs every twelve (12) months. The JDP sub-committee at NUS will consult with the Board of Graduate Studies in relation to the JDP related matters; whereas that at IITK will consult with its Dean, Academic Affairs for administrative matters and Chairman, Senate Post Graduate Committee for academic related matters, both in relation to the JDP.

4.2 The Chairs of both JDP sub-committees will meet as required to consider matters relating to admissions, guidelines for student selection, student administration, student records, student fees and assistantships, selection/change of supervisor(s),
exit from the JDP, intellectual property rights and other JDP administration matters. A change of supervisor(s) by a Joint Degree Student will generally not be permitted unless due to exceptional circumstances and as allowed in the discretion of the JDP Committee. The JDP Committee will refer to the Academic Regulations of both Parties in determining such matters.

4.3 The Parties acknowledge that it might not be possible for the Chairs of JDP sub-committees from both Parties to physically meet as required. In such cases, the use of communication amenities such as video-conferencing or tele-conferencing will be facilitated.

4.4 The JDP sub-committee of each Party will be responsible for coordination of the JDP at their institution. The sub-committee will be responsible for advising students of JDP requirements, monitoring student progress, student support and maintaining contact with the JDP sub-committee of the other Party.

5. **SELECTION AND ADMISSION OF STUDENTS**

5.1 It is expected that the annual intake into the JDP will be approximately three (3) to five (5) students from each Party. Both Parties will encourage cross disciplinary research.

5.2 The Parties will endeavour to enroll an equal number of students from each Party for each year of the JDP. For parity in participation, the JDP Committee will endeavor to be uniform across all faculties. Any imbalance in the first few years of implementation should be addressed in subsequent years, before the expiry of the Agreement, so that the numbers of Joint Degree Students enrolling with each Party would balance over the five (5) year period.

5.3 The selection of its Joint Degree Students for the JDP will be conducted by each Party in accordance with its Regulations. Both Parties have the right to refuse to accept students nominated for the JDP by the other Party. The JDP Committee must approve all Joint Degree Students in accordance with its established guidelines. No offer to undertake the JDP will be made to a student without the JDP Committee's approval.

5.4 Eligibility criteria for applying for the JDP are as follows:

5.4.1 the student must meet the English language proficiency criteria of the Home Institution;

5.4.2 the student must have an offer to join the PhD programme at the Home Institution.

5.4.3 the student must be accepted by not less than two (2) faculty members as supervisors, and at least one (1) supervisor must be from each Party;
5.4.4 the student's admission must be agreed by at least one supervisor from each Party and the relevant approving authorities of both Parties; and

5.5 The Joint Degree Student will be registered as a PhD student at both Parties and will have access to facilities at both Parties. A tentative schedule for the Joint Degree Student is set out in Annexure I of this Agreement.

5.6 The Joint Degree Student will not be permitted to terminate his/her participation in the JDP voluntarily and thereafter reapply as a single degree student at the Host Institution.

6. PERIOD OF RESIDENCY

6.1 Admission to the JDP shall be at the beginning of any regular semester of an academic year. Joint Degree Students are required to spend a minimum of two (2) regular semesters and a maximum of four (4) regular semesters of their JDP at the Host Institution either doing coursework and/or conducting research. The exact period of residency at the Host Institution will be decided by the Joint Degree Student’s supervisors, with approval from the JDP Committee.

6.2 Students of both Parties are generally expected to earn their doctoral degrees after four (4) years of full-time study. For single degree IITK PhD students, the minimum period of residency is three (3) years and the maximum is four (4) years. For single degree NUS PhD students, the minimum residency requirement at NUS is eighteen (18) months and the maximum residency is sixty (60) months. Extension of the residency period of a Joint Degree Student shall only be allowed under extenuating circumstances and any such application for an extension shall have to be supported by the relevant Joint Degree Student’s supervisors and be approved by both Parties.

6.3 The Joint Degree Student will be entitled to vacation leave (or other kinds of leave) in accordance with the Regulations of the Party at which the Joint Degree Student is currently resident. Matters relating to interruptions of study will be dealt with by the Party where the student is in attendance, subject to the approval of the JDP Committee.

6.4 The Joint Degree Student will follow the rules and regulations of the Host Institution relating to student conduct during their periods of residency there, and of the Home Institution relating to student conduct during their periods of residency there, unless the JDP Committee has given prior approval to alternative arrangements.

6.5 After the Joint Degree Student's period of residency at the Host Institution, the said student will continue with his/her research at the Home Institution and remain with the Home Institution until the submission of his/her thesis. A Joint Degree Student should ideally spend two (2) regular semesters at the Home Institution
after his/her period of residency at the Host Institution. However, it is mandatory that the JDP student spends her/his last regular semester at the Home Institution.

7. **ASSESSMENT AND CREDIT**

7.1 JDP Student enrolled in the JDP will be required to meet the programme requirements and other degree requirements as may be specified by their Home Institution, and with the endorsement of the JDP Committee.

7.1 The Joint Degree Student will be required to fulfill the minimum coursework requirement as specified by the relevant faculty of the Home Institution. Further, IITK students will also be required to pass the Comprehensive Exam and give a seminar on the State of the Art of the relevant research area, whereas NUS students will need to pass the PhD Qualifying Exam.

7.2 To encourage greater exposure and provide students with more networking opportunities, the Joint Degree Student will be encouraged to take additional courses at the Host Institution. Courses taken at the Home and Host Institutions will be accredited as partial fulfillment of the PhD degree.

7.3 In general, assessment of the Joint Degree Students' progress in the JDP shall be conducted in accordance with the Academic Regulations of both Parties.

7.4 Each Party will be responsible for the assessment of the Joint Degree Students enrolled in its courses. Credit transfer (with module mapping) will be used. The Joint Degree Student will be awarded a Waiver/Pass grade for a course taken successfully at the Host Institution, as per the existing norms of the exchange programme at IITK and NUS respectively.

7.5 Responsibility for monitoring the Joint Degree Students' progress lies with the supervisor(s) and the Party at which the Joint Degree Student is currently resident. The relevant supervisor(s) is (are) required to submit an annual report, due by the end of the year, to the JDP Committee for oversight.

7.6 The Joint Degree Students are required to present salient findings of their research to the audiences of both parties via a seminar before submitting their theses. The respective Parties' audience will be linked through video conferencing for the purposes of this seminar.

7.7 The Joint Degree Student will submit her/his thesis for evaluation to both IITK and NUS, simultaneously. The PhD thesis will be examined by a PhD Exam Panel of three (3) members, one (1) nominated by each Party, and the third nominated by the JDP Committee, and approved by the Home and Host Institutions. If there are revisions required to be made to the thesis, the Joint Degree Student will submit the final thesis after requisite modification.
7.8 Assessment of the final PhD thesis of the Joint Degree Student will include an oral examination. Where necessary, this could be by video-conference between IITK and NUS.

7.9 Both the thesis and oral exams will be supervised by the Home Institution and evaluation reports will be shared with the Host Institution.

7.10 Students must upload the final approved thesis to the Electronic Thesis/Dissertation (ETD) portals of both Institutions.

7.11 The award of the joint PhD to a Joint Degree Student will be discussed and mutually recommended by the respective authorities of both Parties.

7.12 Students who successfully complete a JDP will be issued a joint degree: Doctor of Philosophy. Conferment of the joint PhD degree will be by way of a single certificate bearing the crests of both IITK and NUS (as set out in Annexure II attached herein). Joint Degree Students will have their degree presented to them at their Home institution.

7.13 Joint Degree Students who are awarded a joint PhD degree under the JDP are entitled to become members of the alumni associations of both Parties.

8. WITHDRAWAL AND TERMINATION OF THE PROGRAMME

8.1 All matters relating to a Joint Degree Student’s withdrawal from the JDP shall be governed by the Regulations and processes of his/her Home Institution. If the Joint Degree Student withdraws from the JDP through an application (other than as a result of academic failure), the Home Institution shall notify the other Party promptly. Withdrawal from the Joint PhD programme must be supported by the Home and Host institutions.

8.2 At the discretion of both parties, the withdrawing Joint Degree Student may be permitted to continue as a regular PhD student at the Home institution. Contributions from the Supervisor at/and the Host institution should be duly acknowledged in the thesis and resulting publications.

8.3 Termination of a Joint Degree Student’s participation in the JDP must be agreed by the JDP Committee, and both the Home and Host Institutions.

8.4 The joint supervisors and the JDP Committee will be responsible for advising the Joint Degree Student of matters relating to withdrawal or termination from the JDP and for setting up a clear exit path on a case by case basis. They will advise the Joint Degree Student of an appropriate course of action, which will be in the student’s best interest.
9. QUALITY ASSURANCE

9.1 Quality assurance for courses at either NUS or IITK will follow the standard quality assurance procedures of each Party. Quality assurance for the examination of the PhD thesis will follow the quality assurance practices of both Parties.

9.2 The JDP Committee will be updated annually on the progress of the Joint Degree Students as stated in clause 7.5 above. The JDP Committee will review these reports and make recommendations considered necessary.

10. VARIATION

No agreement or understanding varying or extending this Agreement, will be legally binding upon either Party unless in writing and signed by both Parties.

11. FINANCIAL MATTERS

11.1 The Joint Degree Student will pay tuition fees to their respective Home Institution, even while they are undertaking courses at the Host Institution. The Joint Degree Student will be exempted from paying fees to the Host Institution.

11.2 There will be no sharing of income derived from tuition fees between the Home Institution and Host Institution.

11.3 Students shall have secured an approved funding plan/studentship and/or fellowship scheme from their Home Institution prior to submission of their application for enrolment in the JDP. Joint Degree Students who have been awarded a research scholarship/studentship/fellowship from their Home Institution will be bound by terms and conditions of the research scholarship/studentship/fellowship of their Home Institution.

11.4 IITK will provide assistantship to the NUS Joint Degree Student at par with its regular PhD scholars for the period that the NUS Joint Degree Students are in attendance at IITK. Likewise, NUS will provide assistantship to the IITK Joint Degree Students at par with its regular PhD scholars for the period that the IITK students are in attendance at NUS.

11.5 A one-time subsidy up to $500 will be provided by the Home Institution towards airfare to their Joint Degree Students to facilitate their travel to and from the respective Host Institution. While residing at the Host Institution, decision on whether the JDP student derives remuneration from the Home Institution will be taken by the Home Institution.

11.6 Accommodation and all living expenses, including medical/health insurance will be borne by the Joint Degree Student. Medical Insurance is Compulsory at both Parties.
11.7 The IITK Joint Degree Student must pay the mandatory miscellaneous fees at NUS and subscribe to the NUS insurance policy for students. The NUS Joint Degree Student at IITK must have a Medical Insurance Policy from an internationally renowned firm.

12. INTELLECTUAL PROPERTY RIGHTS

12.1 All Intellectual Property previously belonging to or in the control of either Party which may be used and/or disclosed for the purposes of this Agreement shall remain the property of the Party introducing and/or disclosing the same and neither Party shall franchise, license or assign to any third party any Intellectual Property owned by or in the control of the other Party which is used or disclosed for the purposes of this Agreement. No license to a Party to use any previous Intellectual Property of the other Party is granted or implied by this Agreement.

12.2 Ownership of Intellectual Property developed as a result of the Parties participation in the JDP ("Foreground IP") shall be vested in equal shares with both Parties.

12.3 Both Parties shall have the joint right to determine the commercial exploitation and disposition of such Foreground IP, and they shall make joint applications for the registration of the same.

12.4 Any publication regarding such Foreground IP shall only be possible with the prior written consent of both the Parties; such consent not be unreasonably withheld and to be granted within one (1) month.

12.5 Both Parties will enter into separate agreement(s) on issues relating to exploitation rights and revenue sharing relating to any Foreground IP.

12.6 Both Parties shall however be entitled to use scientific results and findings from the respective JDP project for their own internal, academic, teaching and research purposes without requiring the consent of the other Party provided all necessary steps are taken to protect any Intellectual Property rights and subject always to obligations of confidentiality as provided for in clause 14 below.

13. COMPLAINTS AND MISCONDUCT

13.1 Student misconduct and grievances shall generally be dealt with in accordance with the Academic Regulations and/or Regulations of the Home Institution of the Joint Degree Student. If such misconduct takes place during the Joint Degree Student's residency at the Host Institution, such misconduct shall be dealt with in accordance with the Academic Regulations and/or Regulations of the Host Institution, in consultation with the Home Institution.

14. CONFIDENTIAL INFORMATION

14.1 The Parties agree to use all reasonable endeavours to ensure that any Confidential Information disclosed or submitted in writing or any other tangible form to the
Receiving Party by the Disclosing Party shall be treated as confidential and with at least the same care and discretion to avoid disclosure as the Receiving Party uses with its own similar information which it does not wish disclosed. Any Confidential Information which is disclosed orally or visually by the Disclosing Party shall be summarized in writing, marked “Confidential” and delivered to the Receiving Party within fourteen (14) days of such communication and such information shall be treated the same as if it had been reduced to writing at the time of disclosure to the Receiving Party.

14.2 Confidential Information shall not include information in the public domain; information in the possession of the Receiving Party prior to the disclosure of the information; information which is independently developed by the Receiving Party; information required to be released by law; and information which is rightfully received by Receiving Party from third parties without accompanying secrecy obligations.

14.3 Each Party, in giving an undertaking not to disclose, is to ensure that its officers, employees, agents and subcontractors engaged in the performance of its obligations under the Agreement also similarly undertake not to disclose the Confidential Information except as may be required for the performance of their duties under the Agreement.

14.4 This clause 14 will survive the expiration or termination of the Agreement.

15. PUBLICITY AND ANNOUNCEMENTS

15.1 Either Party making press or other public announcements, or releasing in any form any marketing or other publicity materials or releases relating to this Agreement or the JDP must do so only with the prior written approval of the other Party. The form and manner of the announcement or release or materials must also be approved in writing by the other Party.

15.2 Each Party shall ensure that the other Party is acknowledged as the dually awarding university in all published and promotional material (including electronic material) relating to the award of a joint degree under the JDP.

15.3 The approval of each Party must be sought and obtained in writing in each case before its identity (name, logo, colours and/or typefaces) is used in advertisements, prospectuses and other publicity material. In all cases, the wording should be in accordance with the guidelines of each Party and agreed with such Party in writing prior to dissemination.

16. WARRANTIES

Each Party warrants that:
16.1 it is a higher education institution with authority to award graduate, postgraduate and doctoral degrees under its national education system;

16.2 it has the full power and authority to enter into this Agreement and that entry into this Agreement has been duly authorised;

16.3 it will take action as reasonably required to enable it to meet the academic standards required in relation to the JDP;

16.4 it has obtained all regulatory and other approvals required in order to allow all elements of the Programme to be run in accordance with the terms of this Agreement;

16.5 it will co-operate in respect of any audit or other review or evaluation of the JDP;

16.6 it will ensure that the academic standards applied to the JDP conform with the other Party's equivalent academic standards.

17. LIABILITY

Neither Party (the Limiting Party) shall, except in the case of death or personal injury caused by its negligence or in the case of its fraudulent misrepresentation or in other circumstances where liability may not be so excluded or limited under any applicable law, be liable to the other Party in contract, tort, negligence, breach of statutory duty or otherwise for loss of profit, use, anticipated savings, goodwill, reputation or opportunity, other economic loss, in each case whether direct or indirect, or any consequential or indirect loss or damage, costs or expenses incurred or suffered by such other Party as a result of any breach by the Limiting Party of the terms of this Agreement.

18. DISPUTE RESOLUTION

18.1 If any dispute arises between the Parties it shall first be referred to the Director of IITK (or any person nominated by the Director) and the President of NUS (or any person nominated by the President) who shall consider, discuss and endeavour to resolve such dispute as soon as possible, and, in any event, within thirty (30) days of the referral of the dispute to them.

18.2 Each Party will use reasonable endeavours to reach a negotiated resolution through the dispute resolution procedure referred to in Clause 18.1. The specific format of such resolution will be left to the reasonable discretion of the Parties.

18.3 Nothing contained in this Clause 18 shall restrict either Party's freedom to commence legal proceedings to preserve any legal right or remedy or protect any proprietary or trade secret right.
19. **NOTICES**

19.1 Any notice or other communication given under this Agreement will be in writing and will be served by delivering it personally or sending it by pre-paid recorded delivery, sending it by registered post or transmitted by email or any other form of telecommunication resulting in receipt of a written communication and for the attention of the relevant Party set out in Clause 20 (or as otherwise notified by that Party for the purposes of this Agreement).

19.2 Any such notice will be deemed to have been received:

19.2.1 if delivered personally, at the time of delivery;

19.2.2 in the case of pre-paid recorded delivery or registered post, ten (10) Working Days from the date of posting;

19.2.3 in the case of transmission by email, at the time it is received in the recipient's email inbox; and

19.2.4 provided that, if deemed receipt occurs before 9am on a Working Day of the receiving Party, the notice will be deemed to have been received at 9am on that day, and if deemed receipt occurs after 5pm on a Working Day of the receiving Party, or on a day which is not a Working Day of the receiving Party, the notice will be deemed to have been received at 9am on the next Working Day of the receiving Party.

20. **CONTACTS**

20.1 The contacts details of each Party for the purposes of this Agreement are as follows:

(a) Indian Institute of Technology Kanpur:

   (i) Address: Indian Institute of Technology Kanpur, Postcode 208016, Uttar Pradesh, India

   (ii) Attention: Prof. Dheeraj Sanghi, Dean Academic Affairs

   (iii) Fax: +91-512-259 0534

   (iv) Email: doaa@iitk.ac.in

(b) National University of Singapore

   (i) Address: Office of the Provost, University Hall, 21 Lower Kent Ridge Road, Singapore 119077.

   (ii) Attention: Prof. Bernard Tan, Vice Provost (Education)
(iii) Fax: 65-6777 6126
(iv) Email: pvotcy@nus.edu.sg

21. FORCE MAJEURE

21.1 Neither Party shall be liable in damages for failing to perform its obligations under this Agreement or have the right to terminate this Agreement for any delay or default in performance hereunder if such delay or default is caused by conditions beyond its reasonable control including, but not limited to any strike, lock-out, or other form of industrial action, war, riot, civil commotion, terrorism, malicious damage, compliance with law or governmental order, rule, regulation or direction, accident, fire, flood, storm or act of God.

22. AMENDMENT

22.1 No amendment or variation of this Agreement shall be effective unless in writing and signed by or on behalf of each Party.

22.2 Before the Parties agree any amendment or variation to this Agreement under Clause 22.1, such amendment or variation will first be considered by the JDP Committee. If the JDP Committee approves the proposed amendment or variation, then each Party will effect such amendment in accordance with Clause 22.1.

23. GENERAL PROVISIONS

23.1 Assignment

In reference to this JDP, no Party shall, without the prior written consent of the other Party, be entitled to perform any of its obligations through any other company or entity or to assign, mortgage, charge or dispose of any of its rights hereunder, or sub-contract or otherwise delegate any of its obligations hereunder.

23.2 Entire Agreement

This Agreement contains the entire agreement between the Parties with respect to the subject hereof, and supersedes all previous agreements and understandings between the Parties with respect thereto.

23.3 Partial Invalidity

If any provision of this Agreement shall be held to be unlawful, invalid or unenforceable, in whole or in part, under any enactment or rule of law, such provision or part shall to that extent be severed from this Agreement and rendered ineffective as far as possible without modifying or affecting the legality, validity, or enforceability of the remaining provisions of this Agreement which will remain in full force and effect.
23.4 No Partnership

Neither this Agreement nor any other agreement or arrangement of which it forms part of, nor the performance by the Parties of their respective obligations under any such agreement or arrangement, shall constitute a partnership between the Parties. No Party shall have any authority (unless expressly conferred in writing under this Agreement or otherwise and not revoked) to bind the other Party as its agent or otherwise.

23.5 Waiver

The failure to exercise or delay in exercising a right or remedy provided by this Agreement or by law does not constitute a waiver of the right or remedy or a waiver of other rights or remedies. A waiver of a breach of any of the terms of this Agreement or of a default under this Agreement does not constitute a waiver of any other breach or default and shall not affect the other terms of this Agreement. A waiver of a breach of any of the terms of this Agreement or of a default under this Agreement will not prevent a Party from subsequently requiring compliance with the waived obligation.

23.6 Counterparts

This Agreement may be entered into by the Parties on separate counterparts and this has the same effect as if the signatures on the counterparts were on a single copy of the Agreement.

**Executed as an AGREEMENT:**

**SIGNED** for and on behalf of **Indian Institute of Technology Kanpur** by its Director:


Professor Indranil Manna
Director, Indian Institute of Technology Kanpur

**SIGNED** for and on behalf of **National University of Singapore**, by its President:


Professor Tan Chorh Chuan
President, National University of Singapore
Table I: Semester-wise breakup of the Broad Plan for Joint Degree Programme Students

<table>
<thead>
<tr>
<th>Semester</th>
<th>Plan</th>
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| I-III    | (i) Students get selected for the Joint Degree Programme.  
           (ii) Students take courses at the Home institution.  
           (iii) Supervisors (minimum one (1) from each institution) are chosen.  
           (iv) Research area is identified.  
           (v) Students finish the minimum course work requirement.  
           (vi) Students take Comprehensive (IITK)/Qualifying (NUS) exams.  
           (vii) Students commence Research at the Home Institution.  
           (viii) Students perform Literature Search.  
           (ix) Students give the State of the Art Seminar (SOTA).  
           (x) Students prepare for visit to the Host Institution. |
| Case I: Minimum stay requirement at the Host Institution | IV-V  
  (i) Students perform research.  
  (ii) If required, they take courses at the Host Institution. Courses get credited via appropriate mapping*. |
| Case II: Maximum stay requirement at the Host Institution | IV-VII  
  (i) Students perform research.  
  (ii) If required, they take courses at the Host Institution. Courses get credited via appropriate mapping*.  
  (iii) Students deliver an Open Seminar just before returning to their Home Institution. |
| Case I: Minimum stay requirement at the Host Institution | VI-VII  
  (i) Students return to their Home Institution.  
  (ii) They continue performing Research.  
  (iii) Students deliver an Open Seminar. |
| Cases I-II | VIII  
  Students write and submit their theses. |
| Extension | IX  
  Under exceptional circumstances, extension granted if supported by the supervisors and approved by both Parties. |

*Min CAP/CPI requirement must be maintained for continuation in the JDP.
The Board of Governors of the
INDIAN INSTITUTE OF TECHNOLOGY KANPUR
upon the recommendation of its Senate
and
NATIONAL UNIVERSITY OF SINGAPORE
certify that the requirements prescribed by the two institutions are fulfilled
and
hereby jointly confer on

the degree of
Doctor of Philosophy
with all honours privileges and obligations thereunto pertaining
given at: ____________________________
on the

Chairman
Board of Governors

Register
Chairman
Senate

Chairman
Board of Trusess

President

INDIAN INSTITUTE OF TECHNOLOGY KANPUR

NATIONAL UNIVERSITY OF SINGAPORE

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on the

Chairman
Board of Trustees

President

Chairman
Board of Governors

Register
Chairman
Senate

NATIONAL UNIVERSITY OF SINGAPORE

INDIAN INSTITUTE OF TECHNOLOGY KANPUR