

MEMORANDUM OF UNDERSTANDING

BETWEEN

WAYNE STATE UNIVERSITY

(DETROIT, MICHIGAN, UNITED STATES)

AND

MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY

(BATHINDA, PUNJAB, INDIA)

Maharaja Ranjit Singh Punjab Technical University (MRSPTU) and Wayne State University (WSU) seek to implement opportunities for joint scholarship; to facilitate academic cooperation; to develop research collaborations; and to promote international understanding. To these ends, the institutions agree to foster and promote international cooperation in education and research between the two universities. This *Memorandum of Understanding* (MOU) provides a general framework for the development of such collaboration. A subsequent *Implementation Agreement* will specify institutional activities which will be agreed upon and developed by WSU and MRSPTU at a future date.

- I. Based upon principles of international educational exchange (mutual respect and benefit, cooperation, collaboration, and understanding), WSU and MRSPTU agree to explore the following collaborative activities:
 - A. Exchange of students;
 - B. Exchange of faculty, post-doctoral fellows and research scholars;
 - C. Exchange of scientific materials, publications and information;
 - D. Development of joint scientific and/or technological research and meetings for education and research; and
 - E. The recruitment of students to degree seeking programs in the institutions.
- II. Specific activities to be carried out under this MOU will be stated in subsequent and corresponding *Implementation Agreements*, which once approved by both institutions, will be attached as addenda to this MOU.
- III. This *Memorandum of Understanding* will be considered effective for five years, beginning on the date it is signed by official representatives from both institutions. Either institution may terminate the MOU at any time, but both institutions agree that if the agreement is terminated, due consideration will be given to avoid harm to students in a collaborative program currently under way.
- IV. This MOU is an expression of good will and a statement of good intentions between MRSPTU and WSU, and it is designed to facilitate and develop a genuine and mutually beneficial exchange/research relationship between the two institutions.



- V. Revisions to the MOU and *Implementation Agreements* may be made upon mutual consent of both institutions.
- VI. The administration of this MOU shall be the joint responsibility of the Associate Vice President for Educational Outreach and International Programs at Wayne State University, and Dean (P&D) at MRSPTU. All notices shall be in writing and directed to these individuals as follows:

At WSU: **Ahmad M. Ezzeddine**
Associate Vice President
Educational Outreach and International Programs
Wayne State University
4045 Faculty/Administration Building
656 W. Kirby
Detroit, MI 48202
USA
Phone: (313) 577-8968
Fax: (313) 577-5666
a.m.ezzeddine@wayne.edu

At MRSPTU: **Buta Singh Sidhu**
Dean Planning and Development
Maharaja Ranjit Singh Punjab Technical University
Bathinda, Punjab, India-151001
Phone: +91-9501109002
Email: dean-pnd@mrsptu.ac.in

Any MOU additions, changes, or deletions must be approved by the representatives of both universities as shown above. This MOU is agreed upon in good faith and signed this day by:

For Wayne State University:

Keith Whitfield, PhD
Provost

11/15/17
Date

For MRSPTU:

Dr. Jasbir Singh Hundal
Registrar
Registrar
Maharaja Ranjit Singh
Punjab Technical University, Bathinda

Dec 4th, 2017
Date

FORM APPROVED
18 OCT 2017
OFFICE OF THE
GENERAL COUNSEL



Cooperation Agreement
Wayne State University

and

Maharaja Ranjit Singh Punjab Technical University

This Agreement is made between Maharaja Ranjit Singh Punjab Technical University, Bathinda, Punjab, India(hereinafter referred to as MRSPTU) and Wayne State University, Detroit, Michigan, USA, (hereinafter referred to as WSU) on this 4th day of Dec. 2017. The parties agree as follows:

1. Agreement and variation

- 1.1. MRSPTU and WSU wish to establish a collaborative education program defined as a Transfer Student Program (hereinafter referred to as TSP). After successfully completing the first three (3) years of their undergraduate curriculum in engineering at MRSPTU, qualified students will be accepted into the appropriate department in the College of Engineering at WSU (subject to all applicable policies of admission procedures and standards of the College). Under TSP, for the next two (2) years, students will finish a required training curriculum to qualify for their bachelor's degree awarded at MRSPTU and a Master's degree to be awarded by WSU.
- 1.2. The Parties have agreed that the collaborative education program will be conducted in accordance with the terms and conditions set out in this Agreement.
- 1.3. No agreement or understanding varying or extending this agreement shall be legally binding upon either party unless specified in writing and signed by both Parties. Parties may agree to modify the agreement in writing to the extent that it is inconsistent. This being so, the later agreement is the one which is binding.



2. The Program

2.1 The academic program of TSP will be implemented and administered in two phases. During Phase I, MRSPTU will select students as candidates for study at WSU under the TSP, who will study at MRSPTU to complete the first three (3) of a four (4) year Bachelor's Degree program in engineering. The qualified students as recommended by MRSPTU and evaluated and accepted by WSU in accordance with WSU's College of Engineering will enter Phase II of the Program. In Phase II, they will continue their studies in an appropriate discipline at WSU following the approved curricula. Each successful student will receive a Bachelor's degree from MRSPTU and a Master's degree from WSU.

2.2 The collaborative TSP will comprise two phases:

Phase I

- 2.2.1 Phase I will consist of three years of study, during which students will complete required courses in a relevant discipline at MRSPTU as well as extra English language classes and achieve the language proficiency required by WSU for entry.
- 2.2.2 For English language proficiency, students must have at least a TOEFL score of iBT 79 or IELTS score of 6.5. Students with lower scores may receive conditional admission, requiring that they enroll in coursework at WSU's English Language Institute until they reach the necessary level of English. See Appendix II for English course requirements.
- 2.2.3 Students who wish to proceed to Phase II will be assessed by an appropriate Graduate Admissions Committee in the College of Engineering to determine their qualification for entry to the WSU program. The College will evaluate them in the same manner as other international students wishing to enroll at WSU. Students who maintain a GPA of 2.75 or higher and/or are in the top quartile of their class during the first three (3) years of study at MRSPTU will be considered for admission.
- 2.2.4 Students who pass the assessment process in 2.2.3 and meet all requirements of Phase I will be admitted to study at WSU under the TSP. WSU will provide an official admission letter to assist their application for an F-1 visa to continue their education at WSU.
- 2.2.5 Once students receive their F-1 visas and all WSU requirements of enrollment are satisfied, students will be permitted to enroll in the College of Engineering at WSU.

Phase II

- 2.2.6 WSU will perform an assessment of all the applicants recommended by MRSPTU at the end of Phase I and offer admission to students meeting WSU's standards, both



all Graduate School programs and those set forth by the College. Students who do not meet those standards or are unable to obtain an F-1 visa to the USA will continue their studies at MRSPTU.

- 2.2.7 After completion of Phase I and successfully obtaining an F-1 visa, students will transfer to WSU as graduate students under this Agreement to start Phase II.
- 2.2.8 Students in Phase II will be afforded all of the usual privileges of full time international students studying at WSU in accordance with all applicable laws and regulations.
- 2.2.9 Students who successfully complete one year of degree specific technical electives and a senior design project at WSU will be reviewed. If approved by MRSPTU, they will be awarded the Graduation Certificate and Bachelor's Degree from MRSPTU.
- 2.2.10 Students shall receive a notification letter of their completion of their Bachelor's Degree by MRSPTU and MRSPTU will forward an official copy of the letter and a transcript to the WSU Graduate Admissions office. All successfully-completed WSU course work taken during the first year at WSU may be counted toward a Master's degree in engineering at WSU.
- 2.2.11 During Year 4 at WSU, students are expected to complete at least 16 credit hours. Also, during the 1st year of study at WSU, students are expected to complete their undergraduate research projects as part of MRSPTU undergraduate degree requirements.
- 2.2.12 In the second year at WSU (Year 5 in the program), students must complete minimum of 16 credit hours of course work OR complete 8 credit hours of course work and 8 credit hours of Master Thesis Research.

3. The Tuition and Fees

- 3.1 Student fees for Phase I studies will be established and collected by MRSPTU and WSU shall have no claim against those fees.
- 3.2 Students in Phase II will be responsible for all costs to study at WSU. The cost shall include travel between India and the United States, room and board, insurances and all of the prescribed fees to be collected by WSU. The base fees for Phase II are those published by WSU for International students. These fees may be adjusted at the sole discretion of WSU.
- 3.3 In Phase II qualified students are eligible for the Graduate School Dean's Merit Scholarship which will be applied towards tuition. Every year, up to five qualified students may be selected by WSU for the scholarship.



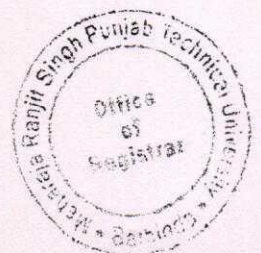
3.4 MRSPTU will have no claim against fees collected by WSU. MRSPTU waives all rights to commission on student fees paid to WSU.

4. Term and Termination

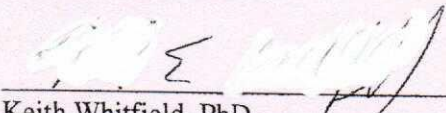
- 4.1 This Agreement commences on the date of the last signature by a party to the Agreement. The duration of the agreement is five years.
- 4.2 In the third year after commencement of the Agreement, the parties will undertake a joint evaluation and the agreement will continue to be effective for another term of five years.
- 4.3 This agreement may be terminated by a party serving on the other party at least 6 month's prior written notice. If the termination date falls during a phase of the Program, the agreement will be terminated after the completion date of that phase of the Program.

5. Controlling Laws

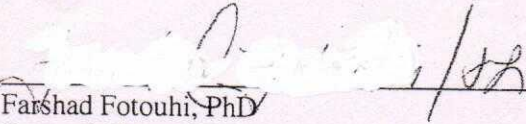
- 5.1 Before resorting to external dispute resolution mechanisms, the Parties shall attempt to settle by negotiation any dispute in relation to this Agreement.
- 5.2 At all times while WSU is to perform under this agreement WSU's obligation shall be subject to and be controlled by the laws of the United States and the state of Michigan. The English version of this Agreement controls the performance by WSU of its obligations under this Agreement.
- 5.3 At all times while MRSPTU is to perform under this agreement MRSPTU's obligation shall be subject to and be controlled by the laws of India. If a translated version of this Agreement exists, that version controls the performance by MRSPTU of its obligations under this Agreement.



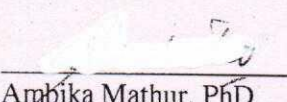
Wayne State University:


Keith Whitfield, PhD
Provost

11/15/17
Date


Farshad Fotouhi, PhD
Dean, College of Engineering

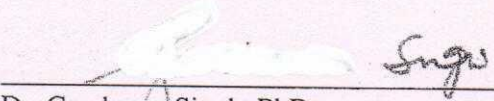
11/14/17
Date


Ambika Mathur, PhD
Dean, Graduate School


11/6/2017
Date

FORM APPROVED
18072017
OFFICE OF THE
GENERAL COUNCIL


Maharaja Ranjit Singh Punjab Technical University


Dr. Gursharan Singh, PhD
Dean Academic

December 04, 2017
Date


Dr. Buta Singh Sidhu, PhD
Dean, (Planning & Development)

December 04, 2017
Date


Dr. Jasbir Singh Hundal, PhD
Registrar

Dec 04th, 2017

Registrar
Maharaja Ranjit Singh
Punjab Technical University, Bathinda



APPENDIX I:
Estimated Expenses*
(2017-18)

TUITION

YEAR 4

		Without Scholarship	with Graduate School Dean's Merit Scholarship
Fall Semester (8 Cr. Hr)		\$12,601	\$9,601
Winter Semester (8 Cr. Hr)		\$12,601	\$9,601
TOTAL Cr. Hr. Year 1	16		
TOTAL YEAR 1 (Tuition)		\$25,202	\$19,202

YEAR 5

Fall Semester (8 Cr. Hr)		\$12,601	\$9,601
Winter Semester (8 Cr. Hr)		\$12,601	\$9,601
TOTAL Cr. Hr. Year 1	16		
TOTAL YEAR 1 (Tuition)		\$25,202	\$19,202
<u>TOTAL Tuition for 2 YEARS at WSU</u>		\$50,404	\$38,404

Estimate for cost of living on campus, including:

Room & Board	\$9026 per year
Books & Supplies	\$1122 per year
Health Insurance	\$834 per year
Miscellaneous	\$3167 per year
TOTAL for one year	\$14,149 per year
TOTAL for two years	\$28,298 per two years

TOTAL EXPENSES for 2 YEARS (tuition and cost of living)	\$78,702
TOTAL EXPENSES for 2 YEARS (Tuition with Dean's Merit Scholarship and cost of living)	\$66,702

*The figures provided above are estimates, based on the 2017-18 tuition rates. Students will always be charged the currently published tuition for a given year, available here:
<http://reg.wayne.edu/students/tuition.php>



APPENDIX II:

English Language Requirements for Admission

Applicants must have at least a TOEFL score of 17 (iBT*) to be eligible for the 3+2 program. WSU will require students with a TOEFL score below 79 to enroll at the English Language Institute (ELI). English course requirements for participating 3+2 students will be as follows:

- **79 or above:** Direct admission to their academic program with no additional English coursework required.
- **75-78:** Direct admission to their academic program with required enrollment in one ELI course per semester until they reach a score of 79.
- **17-74:** Conditional admission through ELI with required full-time ELI enrollment until TOEFL score of 75 is achieved. At that point, students may begin to take academic coursework in addition to one ELI course.

For a summary of these requirements (including estimated time in ELI), please refer to the chart below:

TOEFL Score Range (listed in iBT)	Regular Admission	Admission with ELI	Conditional Admission
79 or above	Direct admission to academic program; no additional English coursework required.		
75-78		One ELI course in addition to academic coursework	
61-74			One full-time semester of ELI
17-60			Two or more full-time semesters of ELI

*All scores are listed in iBT format, but WSU accepts equivalent TOEFL scores in the PBT or CBT formats as well.



Cooperation Agreement between WSU and MRSPTU

Cooperation Agreement

Wayne State University

And

Maharaja Ranjit Singh Punjab Technical University

This Agreement is made between Maharaja Ranjit Singh Punjab Technical University (hereinafter referred to as MRSPTU) and Wayne State University, USA, (hereinafter referred to as WSU) after full communication and serious negotiation. And on this 4th day of Dec., 2017 the parties agree as follows:

1. Agreement and variation

- 1.1. MRSPTU and WSU wish to establish a collaborative education program defined as a 1 + 1 Dual Master's Degree Program (hereinafter referred to as DMP) involving qualified students admitted to a Master's program to MRSPTU. Minimum enrollment is expected to be 10 students each year. After successfully completing the first (1) year of the MS curriculum at MRSPTU, students will be accepted into the College of Engineering at WSU according to their program majors (subject to all applicable WSU College of Engineering policies of admission procedures and standards). Upon successful completion of the required curriculum, students will be awarded a Master's degree of MRSPTU and of WSU.
- 1.2. The Parties have agreed that the collaborative education program will be conducted in accordance with the terms and conditions set out in this Agreement.
- 1.3. No agreement or understanding varying or extending this agreement shall be legally binding upon either party unless specified in writing and signed by both Parties. Parties may agree to modify the agreement in writing to the extent that it is inconsistent. This being so, the later agreement is the one which is binding.



Cooperation Agreement between WSU and MRSPTU

2. The Program

2.1 The academic program of DMP will be implemented and administered in two phases. During Phase I, MRSPTU and WSU will jointly admit students as candidates for study at MRSPTU under the DMP, and these students will study at MRSPTU to complete the first (1) of a two (2) year Master's Degree programs. Qualified students will be recommended by MRSPTU, then evaluated and accepted by WSU in accordance with WSU College of Engineering's policies of admission, procedures, and standards. Accepted students will enter Phase II of the Program. In Phase II, students will continue their studies in Master's Degree programs at WSU following the approved curricula. Each successful student will receive a Master's degree from MRSPTU and a Master's degree from WSU.

2.1.1 Admission Requirements

- Bachelors degree with specialization in Engineering with a B average or better, or if applicant is in the upper quartile of the class;

2.2 The collaborative DMP will comprise two phases:

Phase I

- 2.2.1 One year of study at MRSPTU during which time the students will complete required courses in a specified curriculum at MRSPTU as well as extra English language classes to achieve the language proficiency required by WSU for entry.
- 2.2.2 During first year (Phase I) of study at MRSPTU, students are expected to complete at least 12 credit hours equivalent of the WSU MS degree curricula in engineering.
- 2.2.3 For English language proficiency, students must have at least a TOEFL score of iBT 79 or an IELTS score of 6.5. Students with lower scores may receive conditional admission, requiring that they enroll in coursework at WSU's English Language Institute. See Appendix II for English course requirements.
- 2.2.4 Students who wish to proceed to Phase II will be assessed by the Graduate Admissions Committee in the College of Engineering to determine their



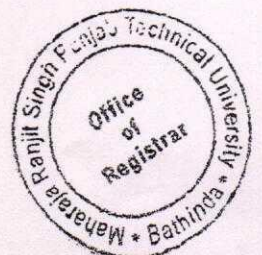
Cooperation Agreement between WSU and MRSPTU

qualification for entry to the WSU program. The College will evaluate them in the same manner as other international students wishing to enroll at WSU. Students who maintain a GPA of 3.0 or higher and/or are in the top quartile of their class during the first (1) year of DMP study at MRSPTU will be considered for admission.

- 2.2.5 Students who pass the assessment process in 2.2.4 and meet all requirements of Phase I will be admitted to study at WSU under the DMP. WSU will provide an official admission letter to assist their application for the student visa to continue their education at WSU.
- 2.2.6 Once students receive their visas and meet all WSU requirements of enrollment, they will be permitted to enroll in the College of Engineering at WSU.

Phase II

- 2.2.7 WSU will perform an assessment of all the applicants recommended by MRSPTU at the end of Phase I and offer admission to students meeting WSU's admission standards and the standards set forth by the College of Engineering. Students who fail the assessment or are unable to obtain a student visa to the USA will continue their studies at MRSPTU.
- 2.2.8 After completion of Phase I and successfully obtaining a student visa, students will transfer to WSU as graduate students under this Agreement to start Phase II.
- 2.2.9 Students in Phase II will be afforded all of the usual privileges of full time international students studying at WSU in accordance with all applicable laws and regulations.
- 2.2.10 Up to 12 credits of successfully-completed DMP course work taken during the first year at MRSPTU may be counted toward a Master's degree in the College of Engineering at WSU.
- 2.2.11 The second year at WSU (Phase II), students must complete 20 credit hours of course work OR 12 credit hours of course work and 8 credit hours of Master's Thesis Research.



Cooperation Agreement between WSU and MRSPTU

3. The Tuition and Fees

- 3.1 Student fees for Phase I studies will be established and collected by MRSPTU and WSU shall have no claim against those fees.
- 3.2 Students in Phase II will be responsible for all costs to study at WSU. The cost shall include travel between India and the United States, room and board, insurances and all of the prescribed fees to be collected by WSU. The base fees for Phase II are those published by WSU for International students. These fees may be adjusted at the sole discretion of WSU. (Please refer to **Appendix I** for estimated cost for the program).
- 3.3 Up to five (5) students in Phase II are eligible for Graduate School Dean's Tuition Merit Scholarship which will be applied towards tuition.
- 3.4 WSU will have no claim against fees collected by MRSPTU. WSU waives all rights to commission on student fees paid to MRSPTU.
- 3.5 MRSPTU will have no claim against fees collected by WSU. MRSPTU waives all rights to commission on student fees paid to WSU.

4. Term and Termination

- 4.1 This Agreement commences on the date of the last signature by a party to the Agreement. The duration of the agreement is five years.
- 4.2 In the fifth year after commencement of the Agreement, the parties will undertake a joint evaluation and the agreement will continue to be effective for another term of 5 years.
- 4.3 This agreement may be terminated by a party serving on the other party at least 6 month's prior written notice. If the termination date falls during a phase of the Program, the agreement will be terminated after the completion date of that phase of the Program.

5. Controlling Laws

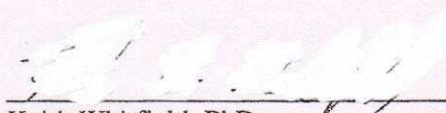
- 5.1 Before resorting to external dispute resolution mechanisms, the Parties shall attempt to settle by negotiation any dispute in relation to this Agreement.
- 5.2 At all times while WSU is to perform under this agreement WSU's obligation shall be subject to and be controlled by the laws of the United States and the State of Michigan.



Cooperation Agreement between WSU and MRSPTU

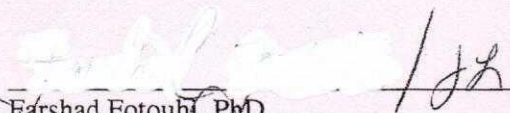
At all times while MRSPTU is to perform under this agreement MRSPTU's obligation shall be subject to and be controlled by the laws of India.

For Wayne State University:



Keith Whitfield, PhD
Provost

11/15/17
Date

FORM APPROVED
11/15/2017
OFFICE OF THE
CHANCELLOR

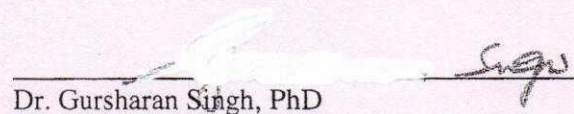

Farshad Fotouhi, PhD
Dean, College of Engineering

11/14/17
Date



Anubika Mathur, PhD
Dean, Graduate School

11/6/2017
Date


For Maharaja Ranjit Singh Punjab Technical University


Dr. Gursharan Singh, PhD
Dean Academic

December 04, 2017
Date

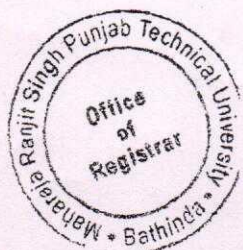

Dr. Buta Singh Sidhu, PhD
Dean, (Planning & Development)

December 04, 2017
Date


Dr. Jasbir Singh Hundal, PhD
Registrar

Dec 04th, 2017

Registrar
Maharaja Ranjit Singh
Punjab Technical University, Bathinda



Cooperation Agreement between WSU and MRSPTU

APPENDIX I: Estimated Expenses* (2017-18)

TUITION

YEAR 2

	Without Scholarship	with Graduate School Dean's Merit Scholarship
Fall Semester (10 Cr. Hr)	\$15,678	\$ 12,678
Winter Semester (10 Cr. Hr)	\$15,678	\$ 12,678
TOTAL Cr. Hr. Year 2	20	
TOTAL YEAR 1 (Tuition)	\$31,356	\$25,356

COST of Living on Campus per year

Room and Board	\$ 9,026
Books & Supplies	\$ 1,122
Miscellaneous	\$ 3,167
Health Insurance	\$ 834
TOTAL for one year	\$14,149

TOTAL EXPENSES for 1 YEAR (tuition, room and board and health insurance) **\$45,505**

TOTAL EXPENSES for 1 YEAR (Dean's Merit Scholarship for tuition, Room and board and health insurance) **\$39,505**

*The figures provided above are estimates, based on the 2017-18 tuition rates. Students will always be charged the currently published tuition for a given year, available here:
<http://reg.wayne.edu/students/tuition.php>



Cooperation Agreement between WSU and MRSPTU

APPENDIX II:

English Language Requirements for Admission

Applicants must have at least a TOEFL score of 17 (iBT*) to be eligible for the 1+1 program. WSU will require students with a TOEFL score below 79 to enroll at the English Language Institute (ELI). English course requirements for participating 3+2 students will be as follows:

- **79 or above:** Direct admission to their academic program with no additional English coursework required.
- **75-78:** Direct admission to their academic program with required enrollment in one ELI course per semester until they reach a score of 79.
- **17-74:** Conditional admission through ELI with required full-time ELI enrollment until TOEFL score of 75 is achieved. At that point, students may begin to take academic coursework in addition to one ELI course.

For a summary of these requirements (including estimated time in ELI), please refer to the chart below:

TOEFL Score Range (listed in iBT)	Regular Admission	Admission with ELI	Conditional Admission
79 or above	Direct admission to academic program; no additional English coursework required.		
75-78		One ELI course in addition to academic coursework	
61-74			One full-time semester of ELI
17-60			Two or more full-time semesters of ELI

*All scores are listed in iBT format, but WSU accepts equivalent TOEFL scores in the PBT or CBT formats as well.

