

ANNEX TO THE MEMORANDUM OF CO-OPERATION

Between

BLEKINGE INSTITUTE OF TECHNOLOGY



and

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA – 533 003.**



**ANNEX ON DOUBLE DEGREE MASTERS PROGRAM
WITHIN TELECOMMUNICATIONS SYSTEMS**

The forenamed schools/departments of Blekinge Institute of Technology, Sweden, and Jawaharlal Nehru Technological University- Kakinada, India (hereafter “the parties” or “the institutions”) agree on the following:

1. The Validity of this Annex

- 1.1. This entire Annex is subject to the validity, terms and condition of the Memorandum of Cooperation signed by Dr.Ursula Hass and Dr.G.Tulasiram Das as representatives of the two Universities (hereafter “the Memorandum of Cooperation”).
- 1.2. In cases where the terms and conditions of the Memorandum of Cooperation and the terms and conditions of this Annex differ, the terms and conditions of the Memorandum of Cooperation shall prevail.
- 1.3. If and when the Memorandum of Cooperation ceases to be valid, this Annex will also cease to be valid.
- 1.4. This Annex enters into force once it has been duly signed by representatives of the parties, provided the Memorandum of Cooperation is in force.
- 1.5. This Annex and the agreement(s) contained within it will be valid for the academic years of 2012-2013 and 2013-2014. During this period, the parties may sign additional Annexes should they wish, or renew this Annex in writing.
- 1.6. This Annex and the agreement contained within it can be terminated by either party giving written notice to the other party before 31st, December of any year of its intention to withdraw with effect from 1 September the next year.

2. Double Degree Program

The double degree program (hereinafter referred to as the “DDP”) described by this Annex is limited to the fields of Engineering and based on the following two existing Masters Programs:

Master of Science in Electrical Engineering with emphasis on Telecommunication Systems at BTH, Master of Technology in Telecommunications Systems at JNTUK Kakinada

The DDP fulfills the requirement for PhD studies in the discipline and fulfills requirements of Swedish Higher Education at BTH, Sweden and Jawaharlal Nehru Technological University, India.

The DDP within Telecommunications Systems will be jointly conducted by Blekinge Institute of Technology, Sweden and Jawaharlal Nehru Technological University Kakinada, Kakinada – 533 003, India, as per the following modalities:

2.1. Program Structure

The duration of the DDP will be of 4 semesters (120 ECTS) /24 months, including studies (90 ECTS) at BTH and at JNTUK according to the following:

SEMESTER	TYPE OF STUDY	PLACE OF STUDY	COUNTRY
I	Course work	Jawaharlal Nehru Technological University Kakinada	INDIA
II	Course work	Blekinge Institute of Technology	SWEDEN
III	Course work	Blekinge Institute of Technology	SWEDEN
IV	Thesis#	Blekinge Institute of Technology	SWEDEN

#Note: Master's Thesis work can be done within industry or at research centers under the supervision of BTH.

2.2. Curricula/Syllabus

The curriculam and syllabus is developed jointly by the BTH, Sweden and JNTUK, India and based on courses offered by the respective institutions, which will be signed separately as Academic Regulations / Learning Agreement.

2.3. Number of Seats and Tuition Fee:

The parties may nominate up to 18 new students each year to study at each other's institution as exchange students. Both parties shall strive for reciprocity in the exchanges. Should reciprocity in the exchanges not be reached, the parties shall be entitled to charge tuition fees for each student exceeding the number of students sent to the partner institution. The students exceeding the number of balanced exchanges shall be considered as individual fee paying students at the receiving institution. Fee structures, levels of tuition fees and modes of payment shall be described and agreed upon by the two parties in a "Financial Agreement", a separate annex to the Memorandum of Cooperation, linked to the present annex. The balance in the exchanges shall be revised on a yearly basis in writing no later than 31st, October for exchanges starting during the following academic year. Both parties agree to exempt tuition fees for students of each institution enrolled in the DDP. The institutions are independent to frame their own fee structure for their domestic students.

2.4. Application and Admission to the DDP

2.4.1. Admission Procedure Each institution will be responsible for nominating students from its own institution for participation in the DDP. It will, however, only be when a student is also approved by the other party that the student will be admitted to the DDP. Admission issues shall be handled by the respective parties' members of the "Academic Committee". All applications should be submitted to the application data base "VEGA- bilateral agreements", developed by BTH and available on BTH's web-site www.bth.se.

2.4.2. Application Dead-line Students interested in participation in the DDP should submit their on-line application no later than April 15 (For Swedish Students) and July 15 (For Indian Students)

2.4.3. Admission Requirements Degree requirements:

Bachelor of Science in Technology /Bachelor in Engineering - Electronics and Communications, Telecommunications, Computer Science, Information Technology or equivalent. The degree should include at least 30 ECTS (one semester) credits of mathematics with multi-dimensional analysis, transform theory and mathematical statistics. Basic knowledge Telecommunications Systems, Telecommunications and programming is required.

2.4.4. Language requirements:

For students from JNTU: Education in "English" as medium of instruction from secondary and intermediate level (10+2) to the university level or by the recommendation of either of the parties. For students from BTH: English "A" or by the recommendation of either of the parties. The students' background as well as (for students from JNTU) marks in Qualifying Exam, will be taken into consideration for the selection to the DDP.

2.5. Examination, forms of assessment and grading system

The performance of the candidate will be evaluated course wise. Each course will have independent evaluation systems. The evaluation will be done as per their performance in end theory examinations, laborations, assignments, project reports etc. The grading will be done as per ECTS (European Credit Transfer System) at Blekinge Institute of Technology and similar uniform credit systems will be adopted by the JNTUK.

ECTS- GRADE	DEFINITION OF THE GRADE.	
A	Excellent	Outstanding performance with only minor errors
B	Very Good	Above the average standard but with same minor errors
C	Good	Generally sound work with a number of notable errors
D	Satisfactory	Fair but with some significant shortcomings
E	Sufficient	Performance meets with minimum criteria
F	Fail	Some more work required before the credit can be Awarded
Fx	Fail	Considerable further work is required

2.6. Award of Degree

A student who has successfully completed the DDP and who fulfils the requirements for a degree at both institutions shall have the possibility of receiving degrees from both institutions, i.e.: Master of Science in Electrical Engineering with emphasis on Telecommunications Systems by BTH (Degree awarded as per Swedish National Higher Education Act) Master of Technology in Telecommunications Systems by JNTU abbreviated as M.Tech in Telecommunications Systems

2.8. Accommodation

Both the parties shall provide student accommodation for each other's students, provided that applications for student accommodation are submitted within set dead-lines. All expenses for accommodation should be borne by the individual students.

The parties choose for purposes of this Agreement as their domiciliumcitandietexecutandi, the following addresses:

Blekinge Institute of Technology
Campus Gräsvik 1
371 79 Karlskrona
SWEDEN

Jawaharlal Nehru Technological University
Kakinada, Kakinada-533003,
Andhra Pradesh
INDIA

Signed at Karlskrona (place)
On March 8th, 2013 (date)

Signed at Kakinada (place)
On 6th November 2012 (date)

Ursula Hass

Dr. Ursula Hass
Vice-Chancellor
Blekinge Institute of Technology
Karlskrona, Sweden

Conny Johansson
Dr. Conny Johansson
Dean School of Computing

G. Tulasi Ram Das
Vice-Chancellor
JNTU : KAKINADA

Dr. G. Tulasi Ram Das
Vice-Chancellor
Jawaharlal Nehru Technological University-
Kakinada, Andhra Pradesh, India.

E.V. Prasad
Dr. E.V. Prasad
Registrar

REGISTRAR
J.N.T. University Kakinada
KAKINADA-533 003



ANNEX TO THE MEMORANDUM OF CO-OPERATION BETWEEN
**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA,
KAKINADA, INDIA**

AND

**BLEKINGE INSTITUTE OF TECHNOLOGY
KARLSKRONA, SWEDEN**

FINANCIAL AGREEMENT TO
STUDENT EXCHANGE

or

FINANCIAL AGREEMENT TO
DOUBLE DEGREE MASTERS PROGRAM STUDENT EXCHANGE

between

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



and

**THE SCHOOL OF COMPUTING AND COMMUNICATIONS
BLEKINGE INSTITUTE OF TECHNOLOGY
SWEDEN**



The forenamed schools/departments of name of school/department at partner university and Blekinge Institute of Technology, Sweden, (hereafter “the parties”) agree on the following:

1. The Validity of this Annex

- 1.1. This entire Annex is subject to the validity, terms and condition of the Memorandum of Co-operation signed by Dr. Ursula Hass, Vice Chancellor at BTH, having signed the MoC and Dr. G. Tulasi Ram Das, Vice Chancellor at JNTUK, having signed the MoC as representatives of the two Universities (here after “the Memorandum of Co-operation”) and to the Annex on student exchange or double degree masters program student exchange, signed on 6th November, 2012 between the forenamed schools/departments.
- 1.2. In cases where the terms and conditions of the Memorandum of Co-operation and the terms and conditions of this Annex differ, the terms and conditions of the Memorandum of Co-operation shall prevail.
- 1.3. This Annex enters into force once it has been duly signed by representatives of the parties, provided the Memorandum of Co-operation is in force.
- 1.4. This Annex and the agreement(s) contained within it will be valid until date. During this period, the parties may sign additional Annexes if they wish, or renew this Annex in writing.
- 1.5. If and when the Memorandum of Co-operation ceases to be valid, this Annex will also cease to be valid.
- 1.6. In cases where the terms and conditions of the present Annex differ from the laws and regulations of the countries where the two Institutions have their official address, the laws and regulations of the respective countries shall prevail.
- 1.7. Either party may withdraw from the agreement by giving notice before 31st, December of any year of its intention to withdraw with effect from 1st September the next year.

2. Tuition fee structure and level of tuition fee :

- 2.1. The tuition fee structure covered by this Annex is limited to students participating in student exchange activities covered by the forenamed Annex on type of annex (see 1.1).
- 2.2. In cases where reciprocity is reached in the exchanges, no tuition fee will be charged. In cases where reciprocity in the exchanges is not reached, the parties shall be entitled to charge tuition fees for each student exceeding the number of students sent to the partner institution.
- 2.3. The level of the tuition fee for students from partner university required to pay tuition fees shall be of a total amount of 60000 SEK per year of full time studies, i.e. 60 Swedish higher education credits (in total amount 90000SEK for 1.5 years at BTH of full time studies, i.e., 90 Swedish higher education credits at BTH). JNTUK shall collect the tuition fee for the studies at BTH from the students from JNTUK that are required to pay tuition fees at BTH (in case reciprocity is not reached). JNTUK is responsible to transfer the payments to BTH according to BTH's financial regulations. Should a student from JNTUK wish to take extra credits, the fee for these credits will be equivalent to the fees charged for free mover students.
- 2.4. The level of the tuition fee for students from BTH required to pay tuition fee will be negotiated separately.
- 2.5. The fee structure may be reviewed on a yearly basis.

Signed at Karlskrona (place)
on May 8th 2013 (date)

Anders H. L.
Vice Chancellor ~~Dr. G. Tulasi Ram Das~~
Blekinge Institute of Technology

Dr. Conny Johansson
Dean, School Computing

Blekinge Institute of Technology Campus
Campus Gräsvik
SE – 371 Karlskrona
SWEDEN

Signed at Kakinada (place)
on 6th November 2012 (date)

G. Tulasi Ram Das
Vice-Chancellor
Vice Chancellor Dr.G. Tulasi Ram Das
Jawaharlal Nehru Technological
University Kakinada, Kakinada.

Dr.E. V. Prasad
Registrar

REGISTRAR
J.N.T. University Kakinada
KAKINADA-533 003
Jawaharlal Nehru Technological
University Kakinada,
Kakinada – 533 003.
INDIA

