

International MOU

MEMORANDUM OF UNDERSTANDING

CHICAGO STATE UNIVERSITY
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY AT ANANATAPUR

1. PURPOSE AND LEAD DEPARTMENTS

This Memorandum of Understanding (MOU) establishes an inter-university partnership between two not-for-profit state government institutions of higher learning, viz., Chicago State University (CSU), State of Illinois, United States America, and Jawaharlal Nehru Technological University–Ananatapur (JNTUA), State of Andhra Pradesh, India, to engage in synergetic activities broadly classified under the umbrellas of *Institution Building* and *Capacity Building* which lead to building an infrastructure for industrial collaboration; establishing centers of excellence; and building a bridge between the two universities for fostering innovation and facilitating students to study at either university.

Activities in *Institution Building* include sharing knowledge in building data centers and industrial collaboration [(3.1)], and building centers of excellence [(3.2)].

Capacity Building is to build sustained collaborative programs in mathematics and computer science whose activities include engage in grantsmanship [(4.1)]; promoting innovation in curriculum development [(4.2.1)], pedagogy [(4.2.2)], and delivery of instruction [(4.2.3)]; facilitating exchange of faculty [(4.3.1)]; facilitating students of Chicago State University to study computer science at JNTUA [(4.3.2)] and facilitating graduates of JNTUA to read for a Masters' degree in computer science at Chicago State University [(4.4)].

The departments of Mathematics and Computer Science of the respective universities will be the lead departments of the partnership.

2. MISSION, VISION, AND GOALS OF INSTITUTIONS

2.1. **Chicago State University.** Chicago State University (CSU) is a public, comprehensive university that provides access to higher education for students of diverse backgrounds and educational needs. The University fosters the intellectual development and success of its student population through a rigorous, positive, and transformative educational experience. CSU is committed to teaching, research, service and community development including social justice, leadership and entrepreneurship.

The Department of Mathematics and Computer Science offers undergraduate and graduate programs that lead to Baccalaureate and Masters' degrees in Mathematics and Computer Science. The department maintains state-of-the-art teaching laboratories, and fosters industry training and collaborative research programs.

2.1.1. *Strategic Goals.*

- Goal 1:** Academic Excellence, Teaching and Research.
- Goal 2:** Community Service and Engagement.
- Goal 3:** Cost Efficiencies and Diverse Revenue Streams.
- Goal 4:** Enrollment, Retention and Graduation.
- Goal 5:** Strengthened Infrastructure.
- Goal 6:** Shared Accountability and Image.

2.2. **Jawaharlal Nehru Technological University–Ananatapur.** The university is

“Committed to expanding the horizon of and inspiring young minds towards academic excellence. It aims at scaling new heights through advanced research and innovative technologies to keep pace with changing needs of industry and society at large”.

The university is moving forward with a *mission*

- Mission 1:** To provide quality and relevant education at national and international level with particular emphasis on science and technology.
- Mission 2:** To provide a high quality educational experience to undergraduate students in a diverse learning environment by promoting the values and institutions of democracy that prepare students to lead lives with personal integrity and civic responsibility in a global society.
- Mission 3:** To prepare the next generations of skilled and ethical professionals by providing excellent professional education that prepares graduates to compete in a diverse global market.
- Mission 4:** To support, promote, and enhance teaching effectiveness and student learning; encourage scholarship of teaching and learning; communicate the importance of teaching and learning; and serve as a catalyst for learning-centered education.
- Mission 5:** To partner with industry and government to improve the quality of the workplace.

3. AGENDA FOR INSTITUTIONAL BUILDING

3.1. **Exchange of expertise in forming and sustaining industrial partnerships.** [CSU GOALS 2, 5, 6; JNTUA 1, 3, 4].

- CSU and JNTUA will share its knowledge and competencies of becoming a propelling force in economic uplifting of communities the two universities serve by exchanging information in forming and sustaining industrial partnerships and community services.

- CSU and JNTUA will share knowledge and expertise in building data centers at CSU and JNTUA.
- CSU will share its knowledge and expertise in maintaining campus IT infrastructure and services in general and the functions of the Office of Chief Information Officer, in particular.

3.2. **Building Centers of Excellence.** [CSU GOALS 1,4, 5, 6; JNTUA MISSION 1, 2, 3]. CSU intends to become a Center for Excellence in Computer Security and JNTUA a Center for Excellence in Software Engineering and Databases. Each may benefit from the combined work of both universities.

4. THE AGENDA FOR CAPACITY BUILDING

4.1. **Collaborative Grants.** [CSU GOALS 1, 5, 6; JNTUA MISSION 1, 3, 4]. CSU and JNTUA will apply for joint grants from US or India funding agencies to support activities in this MOU or others as appropriate.

4.1.1. *Modalities.* The two departments may engage in the following synergetic activities in order to apply for the grant:

- (1) Identify the collaborative teams.
- (2) Identify the method, timing, frequency of video communications.
- (3) Seek appropriate administrative approvals in a timely manner.

4.2. **Curriculum and Pedagogical Development.** [CSU GOALS 1; JNTUA MISSION 1, 3, 4].

4.2.1. *Curriculum.* CSU and JNTUA intend to develop curricular of integrated learning between theory and practical applications of the concepts of computer science. CSU and JNTUA intend to build mechanisms to incorporate the cutting-edge developments in industry and research into the curricular in realtime.

4.2.2. *Pedagogy.* CSU and JNTUA will design innovative pedagogies in computer science to engage students with diverse learning styles and education experience.

4.2.3. *Availability of Courses for Students.* CSU and JNTUA intend to permit students of either institution to take online classes in the complementary area of excellence¹

4.3. **Faculty and Student Ambassadors.** [CSU GOALS 1, 4; JNTUA MISSION 1, 2, 3, 4]. The MOU will promote faculty and student academic enrichment, mentorship, and formation of collaborative teams.

4.3.1. *Exchange of Faculty.* CSU and JNTUA will facilitate exchange faculty in mathematics and computer science to for short visits to carry out specific tasks made pursuant to the agreement. Faculty teaching cutting-edge technologies are especially encouraged to take part in these exchanges.

¹Subject to United States Department of Education/University Grants Commission of India or other applicable regulatory bodies of the State Governments.

4.3.2. *Facilitate Students from CSU to study at JNTUA.* CSU and JNTUA will explore means to facilitate students from CSU to take courses at JNTUA, engage in research, and do projects with industry.

4.4. **Facilitate a Cohort of Students from JNTUA to study for MS Degree at CSU.** [CSU GOALS 1, 4; JNTUA MISSION 1, 2, 3, 4]. JNTUA and CSU will facilitate cohorts of graduates from JNTUA to read for Masters' degree in computer science at CSU and provide them with an integrated learning environment between theory and practical applications of the concepts of computer science.

Any formulated special academic programme with the details of modalities can be annexed from time to time with this MOU.

5. RESOURCES

Resources for implementation of this agreement may come from either party, depending upon budgetary availability. Neither party is obligated to expend any resources in connection with this agreement. No implementation of any portion of this agreement or commencement of any specific projects may be initiated prior to the written assurance of adequate budgetary resources.

6. GOVERNING LAWS

6.1. **Independent Participants.** This agreement shall not be construed to create a relationship of partners, brokers, employees, servants, joint ventures or agents as between the parties. The parties to this agreement are acting as independent participants. With respect to employee compensation for services provided in connection with this agreement, each party shall be responsible for its own employees withholding taxes, workers' compensation, and other employment related taxes.

6.2. **Broader Applicable Laws.** This agreement shall be governed by and construed under the laws of the United States of America with respect to CSU, and the laws of the Republic of India with respect to JNTUA. The parties shall cooperate mutually to resolve any dispute or misunderstanding by collaboration and discussion.

7. ASSESSMENT

Pursuant to the signing of the MOU by both parties, the key contact officers (*vide ante* section (10)) of CSU and JNTUA will develop a plan for assessing the activities listed in the agendas, and submit it to the External Advisory Committee for approval. Each year in which the MOU is in effect the Contact Officers will submit a joint assessment report to the President of CSU and Vice Chancellor of JNTUA through the cognizant channels of communication.

8. EXTERNAL ADVISORY COMMITTEE

An External Advisory Committee of representatives of leaders of industry and academia would offer advise and oversight of the activities that are made pursuant to this agreement. Either party with the other's consent name individuals to the External Advisory Committee and chairs of subcommittees.

9. TERM, TERMINATION, AND RENEWAL

CSU and JNTUA enter this agreement for a period of three (3) years from the date of signing, which shall be deemed the Effective Date of the Agreement. Both parties may terminate this agreement by first giving a three (3) month written notice to the other party and thereby executing a cancelation of all activities pursuant to the agreement, in writing.

Before the expiry of its tenure, the collaboration can be renewed for an additional period of two years with mutual consent.

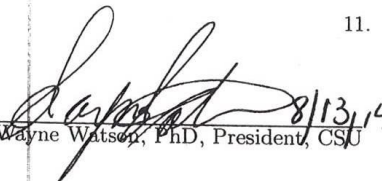
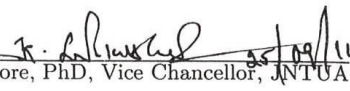
10. PRINCIPLE CONTACTS

10.1. **CSU contact.** Dr. Rohan Attele, kattle@csu.edu, (773) 995-2103, Professor and Chairman, Department of Mathematics and Computer Science shall be a key contact for the execution of any agreement on behalf of CSU.


10.2. **JNTUA contact.** Dr. M.Vijaya Kumar, dfaam@jntua.ac.in (+91-8008802558), Director Foreign Affairs & Alumni Matters, JNTUA, shall be the key contact for the execution of any agreement on behalf of JNTUA.

10.3. **Advisory Committee Head.** Dr. Venkata Majeti, founder and Chief Executive Officer of LOMENT Inc, shall be the chair of the External Advisory Committee.

11. SIGNATURES

 8/13/14  8/19/14
Wayne Watson, PhD, President, CSU K. Lal Kishore, PhD, Vice Chancellor, JNTUA

REVIEWED FOR LEGAL COMPLIANCE

 8/8/14
MARIA E. MAZZA, ESQ. DATE
ASSOCIATE GENERAL COUNSEL