



**IndoUS Technology & Educational Services Inc.**

February 27, 2015

**ACADEMIC CREDENTIAL EVALUATION**

**Educational Equivalency in the United States:**

**Master's Degree in Electronics and Communication Engineering & a Bachelor of Science Degree in Electronics and Communication Engineering with an Additional Concentration in Computer Science (CS) (24 credits for a Major in CS)**

The following certificates and degree documents have been evaluated for the purpose of immigration by this office on behalf of the person named below:

**Name: Hemanth Kumar Bongarala**

**Country: India**

**Academic Credentials Evaluated:**

1. Certificates of Section A & B Examination in Electronics and Communication Engineering, the Institution of Engineers (India), Calcutta, India, 1996-1998
2. Master of Technology Degree in Electronics and Communication Engineering, Indian Institute of Technology, Guwahati, India, 2001

This evaluation is based on copies of transcripts, certificates and degree documents provided by Mr. Hemanth Kumar Bongarala. This evaluator has no reason to doubt the authenticity of the said documents. The documents provided attest that Mr. Hemanth Kumar Bongarala has obtained Certificates for Section A & B Examination in Electronics and Communication Engineering, The Institution of Engineers (India), Calcutta, India, 1996-1998; Master of Technology Degree in Electronics and Communication Engineering, Indian Institute of Technology, Guwahati, India, 2001. This is a true and correct evaluation to the best of our knowledge and belief, pursuant to requirements of United States Citizenship and Immigration Services (USCIS) of the United States Department of Homeland Security. A detailed analysis of the submitted credentials is also provided.



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### **Analysis of Educational Credentials:**

Mr. Hemanth Kumar Bongarala was enrolled in Certificates of Section “A & B” Examination in Electronics and Communication Engineering at the Institution of Engineers (India) located in Calcutta, India. Admission into such a program is based on completion of 12 years of U.S. equivalent high school education which he has completed earlier. After completing the required coursework, he has obtained the **Certificate** for Section A in the year 1996 and for Section B in the year 1998. The coursework included the following subjects (*shown in italics are Computer Science studies*):

- *Computer System & Data Analysis*
- *Computer Engineering*
- *Microprocessors and its Applications*
- Mathematics - I, II
- Natural Sciences
- Engineering Drawing & Graphics
- Electrical Science
- Mechanical Science
- Material Science and Processes
- Foundation of Electronics and Instrumentation
- Engineering Environment and Society
- Design and Manufacturing
- Management of Systems
- Communication Engineering
- Circuit and Field Theory
- Pulse and Digital Circuits
- Electronic and Electrical Measurements
- Electronic Devices and Circuits
- Control Systems

The Government of India recognizes these Certificates as equivalent to a 4-year Bachelor’s degree in Mechanical Engineering granted by an accredited University in India. See these recognition letters at The Institution of Engineers (India), Website below:

<https://www.ieindia.info/RECOGNITION.aspx>  
[https://www.ieindia.info/PDF\\_IMAGES/ACADEMIC/MHRD\\_GAZETTE.pdf](https://www.ieindia.info/PDF_IMAGES/ACADEMIC/MHRD_GAZETTE.pdf),

Based on the reputation of The Institution of Engineers (approved by Government of India), the nature and duration of the coursework (**Government of India recognizes these Certificates as equivalent to a Bachelor’s degree in Electronics and Communication Engineering**),



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it is my professional opinion that Mr. Hemanth Kumar Bongarala's aforementioned certificates are equivalent to a Bachelor of Science Degree in Electronics and Communication Engineering with **12 credits** of academic studies in Computer Science from an accredited college or University in the United States of America.

Subsequently, Mr. Hemanth Kumar Bongarala was enrolled in a Master of Technology Degree in Electronics and Communication Engineering at Indian Institute of Technology located in New Guwahati, India. Admission to this degree is based on completion of a Bachelor's degree. After completing the following coursework he has obtained this **2-year degree** in the year 2001. The coursework included the following subjects (*shown in italics are Computer Science studies*):

- *Architecture of Advanced Processes*
- *Advanced Topics in Digital Signal Processing*
- *Project and M.Tech Thesis*
- Linear Algebra and Random Processes
- Digital System Design
- Communication Networks
- Signal Processing
- Statistical Signal Processing

Based on the reputation of Indian Institute of Technology, the nature and duration of the coursework, it is my professional opinion that Mr. Hemanth Kumar Bongarala's aforementioned Master's Degree is equivalent to a Master's Degree in Electronics Engineering and additionally also equivalent to **12 credits** of academic studies towards a Bachelor's Degree in Computer Science (CS) from an accredited college or University in the United States of America.

In summary, it is my **professional/expert opinion** that Mr. Hemanth Kumar Bongarala has the equivalent of a Master's Degree in Electronics and Communication Engineering and also has the equivalent of a Bachelor's Degree in Electronics Engineering with an Additional Concentration in Computer Science (CS) (**24 credits for a major in CS: 12 credits from his Bachelor's degree, 12 credits from his Master's degree**) from an accredited college or university in the United States of America.

This professional analysis is based upon Mr. Hemanth Kumar Bongarala's Certificates of Section A & B Examination in Electronics and Communication Engineering contained in this credential and Master of Technology Degree in Electronics and Communication Engineering and the Computer Science studies contained in these degrees.



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**Corporate Seal**

A handwritten signature in black ink that reads "P. Pratap Reddy". The signature is written in a cursive style with a large, looped "P" and "R".

Evaluator

**Pratap P. Reddy, Ph.D.**

I hereby state that:

I am a tenured Professor of Computer Science at Raritan Valley Community College, which is fully accredited by the Middle States Association of Colleges and Schools, and is located in Somerville, New Jersey. I have obtained a Ph.D. in Higher Education from Walden University, Minnesota, a Master's degree in Computer Science from Pratt Institute, New York, a Master's degree in Nuclear Physics from Osmania University India, and a Bachelor's degree in Math/Physics/Chemistry from Osmania University.

I have been teaching Computer Information Systems (CIS)/Computer Science (CS) courses at Raritan Valley Community College (RVCC) for the last 32 years. I have served as the department chair of CIS from 1996-2002, with 9 full-time and 42 adjunct faculty members, and have been the coordinator of Cooperative Education (Credit for Work) program of Computer Science Department, at RVCC, since 2002. As CIS/CS faculty member and the department chair I have evaluated hundreds of transcripts, as well as training and work experience records, primarily those in the fields of CIS, Computer Science/Engineering, and Management Information Systems (MIS), each year.

I have received the outstanding doctoral dissertation award given by Walden University for the academic year 1993-94. This dissertation dealt with "*Identifying and Validating the Competencies for Community College Graduates to Obtain Entry-level Jobs in Information Technology Field.*" I have conducted research, received grants, and published in the Area of Computer Information Systems. In addition, I have done over 15,500 academic/work experience credential evaluations and have written many letters of expert opinions for Immigration purpose. The United States Citizenship and Immigration Services (USCIS) of the United States Department of Homeland Security has been accepting my evaluations and expert opinions since the year 2000. I am an active voting member of Association of Computing Machinery (ACM), I have subscription to American Association of Collegiate Registrars and Admissions Officers—AACRAO's Electronic Database for Global Education (EDGE), a web-based resource for the evaluation of foreign educational credentials.



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## References

1. <http://www.ieee.org>, Institute of Electronics and Electrical Engineers, Piscataway, NJ.
2. <http://www.acm.org/education/CS2013-final-report.pdf>, Computer Science Curricula 2013, Curriculum Guidelines for Undergraduate Degree Programs in Computer Science.
3. *Universities Handbook. 2002. 29th Ed.* Association of Indian Universities. New Delhi: AIU house, 16 Kotla Marg, New Delhi, India.