To Whom It May Concern,

I have the contentment to certify that **Md. Nazmus Sahadat** was one of my MS students in **Embedded System Advanced Research and Prototyping Lab,** **Department of Electrical & Computer Engineering (EECE), University of Memphis, Memphis, TN** for more than one and half year.

Md. Nazmus Sahadat possesses very good overall intellectual and analytical ability. He has an extra ordinary background in Embedded system, Firmware development, Signal processing, Machine learning, multi-physics modeling and User interface design. As an adviser, I watched him closely progressing his MS project Smart delivery system using electrical stimulation and made a great progress in drug delivery domain. His ideas, plans and implementation about his project were extremely organized and marvelous. I have seen such progress to MS research in very few students. He is considered as top 1% among the students I have seen so far in my laboratory.

Apart from his MS project, he worked on several projects and made great progress. He worked on ECG actively as his side projects. He converted an EEG device to ECG capturing to capture lead I signal to analyze heart rate variability. He has published that work in Neural Engineering conference in 2013. He brought that project further and used that device to capture biometric ECG signal to identify individuals. He successfully published that work in IEEE EMBC 2014 which drew lot of attention in that field. He has also published his MS work on drug delivery in the same conference as a leading author.

He is motivated and energetic, and never hesitates to come forward. He is also capable of doing work in a group. He worked with couple of other PhD students and made tremendous progress. He worked actively on the EEG device firmware development, testing and carbon nanotube sensor design to capture bio signals. He published all these work as a co-author in different conferences. Carbon Nano tube sensor project is patented this year as well. Md. Nazmus Sahadat is a sincere, honest, intelligent, hardworking and well behaved young man of pleasing nature. He is pretty active in several extracurricular events also.

Considering all I believe that he will do very well during his advanced PhD research and so on. **I strongly recommend him for Microsoft Research PhD Fellowship Program as one of the top candidate.**

I am very hopeful that he will be successful in life.

Dr. XXX XXX

Assistant Professor

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