Computer Science Supplementary Form – West Lafayette

Applicant Name: **Abdus Salam Azad**

The three areas listed below reflect the areas of the core courses that are required to obtain a CS degree at Purdue. A solid background in these areas is necessary to succeed in our graduate program.

Please complete the Course Information section by entering the college and university level courses that you have taken, are taking currently, or that you plan to take before entering this department in the areas listed below. Refer to the application CS supplemental form for complete instructions.

Undergraduate Program: (B.Sc.)

CS: Compilers / Programming Languages			
Course Title Introduction to Computer Systems	*Textbook* Peter Norton's Introduction to Computers		
Institution Bangladesh University of Engineering and Technology	*Semester* 1	*Grade* A+	*Credit* 2.00
Course Title Structured Programming Language	*Textbook* The C Programming Language - Brian Kernighan and Dennis Ritchie; Teach Yourself C , Herbert Schildt; Understanding Pointers in C by Yashavant P. Kanetkar; Schaum's Outline of Theory And Problems of Programming With C, Byron S. Gottfried		
Institution Bangladesh University of Engineering and Technology	*Semester* 2	*Grade* A+	*Credit* 3.00
Course Title Structured Programming Language Sessional	*Textbook* The C Programming Language - Brian Kernighan and Dennis Ritchie; Teach Yourself C , Herbert Schildt; Understanding Pointers in C by Yashavant P. Kanetkar; Schaum's Outline of Theory And Problems of Programming With C, Byron S. Gottfried		
Institution Bangladesh University of Engineering and Technology	*Semester* 2	*Grade* A+	*Credit* 1.50
Course Title Object Oriented Programming Language	*Textbook* Teach Yourself C++ , Herbert Schildt; Java- How To Program, Deitel; A Complete Reference Java2, Herbert Schildt		
Institution Bangladesh University of Engineering and Technology	*Semester* 3	*Grade* A+	*Credit* 3.00
Course Title Object Oriented Programming Language	*Textbook* Teach Yourself C++ , Herbert Schildt;		

Sessional	Java- How To Program, Deitel; A Complete Reference Java2, Herbert Schildt		
Institution Bangladesh University of Engineering and Technology	*Semester* 3	*Grade* A+	*Credit* 1.50

Course Title Assembly Language Programming	*Textbook* Assembly Language Programming and Organization of the IBM PC, Charles Marut and Ytha Y. Yu		
Institution Bangladesh University of Engineering and Technology	*Semester* 4	*Grade* *A+*	*Credit* 1.50

Course Title Compiler	*Textbook* Compilers- Principles, Techniques and Tools, Alfred V. Aho, Monica S. Lam, Ravi Sethi, Jeffrey D. Ullman		
Institution Bangladesh University of Engineering and Technology	*Semester* 5	*Grade* A+	*Credit* 3.00

Course Title Compiler Sessional	*Textbook* Compilers- Principles, Techniques and Tools, Alfred V. Aho, Monica S. Lam, Ravi Sethi, Jeffrey D. Ullman		
Institution Bangladesh University of Engineering and Technology	*Semester* 5	*Grade* A+	*Credit* 0.75

CS: Data Structures & Algorithms			
Course Title Data Structures	*Textbook* Data Structures and Algorithms in Java Book by Michael T. Goodrich and Roberto Tamassia; Introduction to Algorithms- Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest, Clifford Stein; Data Structures, Edward M Reingold and Wilfred J Hansen		
Institution Bangladesh University of Engineering and Technology	*Semester* 3	*Grade* A+	*Credit* 3.00
Course Title Data Structures Sessional	*Textbook* Data Structures and Algorithms in Java Book by Michael T. Goodrich and Roberto Tamassia; Introduction to Algorithms-Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest, Clifford Stein; Data Structures, Edward M Reingold and Wilfred J Hansen		
Institution	*Semester*	*Grade*	*Credit*

Bangladesh University of Engineering and Technology	3	A+	0.75

Course Title	Textbook
Algorithms	Introduction to Algorithms-Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest, Clifford Stein

Institution	Semester	Grade	Credit
Bangladesh University of Engineering and Technology	4	A+	3.00

Course Title	Textbook
Algorithms Sessional	Introduction to Algorithms-Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest, Clifford Stein

Institution	Semester	Grade	Credit
Bangladesh University of Engineering and Technology	4	A+	0.75

CS: OS / Networking		

Course Title	Textbook
Operating System	Modern Operating Systems, Andrew S. Tanenbaum; Operating System Concepts, Abraham Silberschatz, Peter Baer Galvin, Greg Gagne; The Design of The Unix Operating System-Maurice J. Bach

Institution	Semester	Grade	Credit
Bangladesh University of Engineering and Technology	6	A+	3.00

Course Title	Textbook
Operating System Sessional	Modern Operating Systems, Andrew S. Tanenbaum; Operating System Concepts, Abraham Silberschatz, Peter Baer Galvin, Greg Gagne; The Design of The Unix Operating System-Maurice J. Bach

Institution	Semester	Grade	Credit
Bangladesh University of Engineering and Technology	6	A+	1.50

Course Title	Textbook
Computer Networks	Computer Networks, Andrew S. Tanenbaum

Institution	Semester	Grade	Credit
Bangladesh University of Engineering and Technology	6	A+	4.00

Course Title	Textbook
Computer Networks Sessional	Computer Networks, Andrew S. Tanenbaum

Institution	Semester	Grade	Credit
Bangladesh University of Engineering and Technology	6	A+	0.75

Graduate Program (M.Sc.)

Course Title Bioinformatics Algorithms	*Textbook* An Introduction to Bioinformatics Algorithms Neil c. Jones and Pavel a. Pevzner

Institution Bangladesh University of Engineering and Technology	*Semester* 1	*Grade* A+	*Credit* 3.0

Course Title High Dimensional Data Management	*Textbook* Foundations of Multidimensional and Metric Data Structures Hanan Samet

Institution Bangladesh University of Engineering and Technology	*Semester* 2	*Grade* A+	*Credit* 3.0

Course Title Network Security	*Textbook* Research Papers

Institution Bangladesh University of Engineering and Technology	*Semester* 2	*Grade* A+	*Credit* 3.0

Course Title Programming Languages and Systems	*Textbook* Research Papers

Institution Bangladesh University of Engineering and Technology	*Semester* 3	*Grade* A+	*Credit* 3.0