

Syllabus list - Global Software Talent for .NET Developer

No	Module code	Module name	Syllabus
1	RnD	Software Requirement And Design	https://gst.soft.com.vn/svn/gst-trainingmaterial/trunk/public/RND/Student/RND_Syllabus.xls
2	CnU	Coding & Unit Testing	https://gst.soft.com.vn/svn/gst-trainingmaterial/trunk/public/CnU/Student/CNU_Syllabus.xls
3	Extra	Fsoft SE Process 1 - Extra Topics	https://gst.soft.com.vn/svn/gst-trainingmaterial/trunk/public/Extra/Student/Syllabus_Extra.xlsx
4	BSQL	Basic SQL for Developer	https://gst.soft.com.vn/svn/gst-trainingmaterial/trunk/public/BSQL/Student/BSQL_Syllabus.xls
5	ASQL	Advanced SQL for Developer	https://gst.soft.com.vn/svn/gst-trainingmaterial/trunk/public/ASQL/Student/ASQL_Syllabus.xls
6	BTNB	Basic Technical .NET-Based	https://gst.soft.com.vn/svn/gst-trainingmaterial/trunk/public/BTNB/Student/BTNB_Syllabus.xls
7	ATNB	Practical .NET Web Programming	https://gst.soft.com.vn/svn/gst-trainingmaterial/trunk/public/ATNB/Student/ATNB_Syllabus.xls
8	MockProject	MockProject	https://gst.soft.com.vn/svn/gst-trainingmaterial/trunk/public/Mock/Student/Mock_Syllabus.xls

Overview Schedule - RnD - Requirement and Design

Module	Day	Schedule	Content	Delivery Type	Duration (hrs)	Add-on videos
1.RND Requirement and Design	Day 1: Requirement Concepts & User Interface Design	Day1-M	Giới thiệu môn học	Concept/Lecture	0.50	
		Day1-M	Software Requirement Concepts.	Concept/Lecture	3.00	Software Requirement Concepts (Add-on videos) RnD_YourBank_SRS
		Day1-M	Hướng dẫn Assignment Day 1	Guides/Review	0.50	
		Day1-A	Practice Time: Assignment Day 1	Assignment/Lab	3.00	
		Day2-M	Daily Quiz Day 1 (NA)	Test/Quiz	0.50	
	Day 2: Requirement Process & Q&A	Day2-M	N/X kết quả làm Assignment của Day 1	Guides/Review	0.50	
		Day2-M	Requirement Process Making Question/Answer	Concept/Lecture	2.50	Requirement Process Q&A Guideline SRS Review checklist
		Day2-M	Hướng dẫn Assignment Day 2	Guides/Review	0.50	
		Day2-A	Practice Time: Assignment Day 2	Assignment/Lab	3.00	
		Day3-M	Daily Quiz Day 2 (NA)	Test/Quiz	0.50	
	Day 3: OOAD & UML	Day2-M	N/X kết quả làm Assignment của Day 2	Guides/Review	0.50	
		Day3-M	OOAD & UML	Concept/Lecture	2.50	
		Day3-M	Hướng dẫn Assignment Day 3	Guides/Review	0.50	
		Day3-A	Practice Time: Assignment Day 3	Assignment/Lab	3.00	
		Day4-M	Daily Quiz Day 3 (NA)	Test/Quiz	0.25	
	Day 4: Design Process & Exam	Day4-M	N/X kết quả làm Assignment của Day 3	Guides/Review	0.25	
		Day4-M	Common Architectures Design Process	Concept/Lecture	2.00	
		Day4-A	Final Topic Test: Theory Part (NA)	Exam	1.50	
		Day4-A	Final Topic Test: Practice Part	Exam	3.00	

Overview Schedule - CnU - Coding and Unit Test

Module	Day	Schedule	Content	Delivery Type	Duration (hrs)	Week	Add-on videos
	Day 1: Code Design	Day1-M	Giới thiệu về môn học	Concept/Lecture	0.50	W3	
		Day1-M	Code Design; Pseudo Code Flowchart	Concept/Lecture	3.00	W3	
		Day1-M	Hướng dẫn Assignment Day 1	Guides/Review	0.50	W3	
		Day1-A	Practice Time: Assignment Day 1	Assignment/Lab	3.00	W3	
		Day2-M	Daily Quiz Day 1	Test/Quiz	0.50	W3	

2.CNU Coding And Unit Testing	Day 2: Coding Process	Day2-M	Nhận xét kết quả làm Assignment của Day 1	Guides/Review	0.50	W3	
		Day2-M	Coding Process; Code Review; Common Defects	Concept/Lecture	2.50	W3	Coding Process
		Day2-M	Hướng dẫn Assignment Day 2	Guides/Review	0.50	W3	
		Day2-A	Practice Time: Assignment Day 2	Assignment/Lab	3.00	W3	
	Day 3: Unit Testing	Day3-M	Daily Quiz Day 2	Test/Quiz	0.50	W4	
		Day3-M	Nhận xét kết quả làm Assignment của Day 2	Guides/Review	0.50	W4	
		Day3-M	Unit Testing Basics Writing Unit Test Case	Concept/Lecture	2.50	W4	Unit Testing Basics Create Unit Test Case - Part 1 Create Unit Test Case - Part 2 Create Unit Test Case - Part 3
		Day3-M	Hướng dẫn Assignment Day 3	Guides/Review	0.50	W4	
		Day3-A	Practice Time: Assignment Day 3	Assignment/Lab	3.00	W4	
		Day4-M	Daily Quiz Day 3	Test/Quiz	0.50	W4	
		Day4-M	Nhận xét kết quả làm Assignment của Day 3	Guides/Review	0.50	W4	
	Day 4: UT Execution & Topic Tests	Day4-M	Unit Test Execution Automation Unit Testing	Concept/Lecture	1.00	W4	
		Day4-M	Ôn bài và review lại những điểm chính của môn học	Concept/Lecture	1.00	W4	
		Day4-M	Final Topic Test: Theory Part	Exam	1.00	W4	
		Day4-A	Final Topic Test: Practice Part	Exam	3.00	W4	

Overview Schedule - Extra - Extra (Review, Testing, CM) - Topic Syllabus

Module	Day	Schedule	Content	Delivery Type	Duration (hrs)	Add-on videos / Hand-on labs
3.Extra	Day 1: - Review Concepts & Process - Software Testing Basics - Configuration Management Basics	Day1-M	Giới thiệu môn học	Concept/Lecture	0.25	
		Day1-M	Review Concepts & Process Software Testing Basics Configuration Management	Concept/Lecture	3.00	
		Day1-M	Ôn bài và xem tài liệu	Assignment/Lab	0.75	
		Day1-A	Quản lý phiên bản với Subversion	Concept/Lecture	1.00	
		Day1-A	Thực hành với tortoise SVN	Concept/Lecture	1.00	
		Day1-A	Quiz Day 1	Test/Quiz	1.00	

Overview Schedule - BSQL - Basic SQL for Developer

Module	Day	Schedule	Content	Delivery Type	Duration (hrs)	Add-on videos
4.BSQL Basic SQL	Day 1: Database Design	Day1-M	Giới thiệu về môn học	Concept/Lecture	0.25	
		Day1-M	Database concepts, Entity Relationship Modelling, Normalization	Concept/Lecture	3.25	BSQL_Day1_Database concepts BSQL_Day1_Entity Relationship Modeling BSQL_Day1_MS SQL Server Overview
		Day1-M	Hướng dẫn làm Assignment Day 1	Guides/Review	0.50	
		Day1-A	Practice Time: Assignment Day 1	Assignment/Lab	3.00	
		Day2-M	Daily Quiz Day 1	Test/Quiz	0.50	
	Day 2: SQL Basics	Day2-M	Nhận xét kết quả làm Assignment của Day 1	Guides/Review	0.50	
		Day2-M	DDL Statements DML Statements Built-in Functions	Concept/Lecture	2.00	BSQL_Day2_DDL Statements BSQL_Day2_DML Statements
		Day2-M	Hướng dẫn làm Assignment Day 2	Guides/Review	0.50	
		Day2-M	Daily Quiz Day 2	Test/Quiz	0.50	
		Day2-A	Practice Time: Assignment Day 2	Assignment/Lab	2.00	
		Day2-A	Topic Exam: Theory Part	Exam	1.00	
		Day3-M	Topic Exam: Practice Part	Exam	2.00	
	Day 3: Review & Exam					

Overview Schedule - ASQL - Advanced SQL for Developer

Module	Day	Schedule	Content	Delivery Type	Duration (hrs)	Add-on videos
5.ASQL Advanced SQL	Day 1: SQL Advance 1	Day1-M	JOINS in Database Subqueries Common Table Expressions, Ranking function, SQL code practice SQL Review CheckList	Concept/Lecture	2.00	ASQL_Lecture 01_JOINS in SQL Server ASQL_Lecture 02_Subqueries ASQL_Lecture 03_CTE_Ranking function_SQL code practice
		Day1-M	Hướng dẫn làm Assignment Day 1	Guides/Review	0.25	
		Day1-M	Practice Time: Assignment Day 1	Assignment/Lab	1.75	
		Day1-A	Thi thực hành của môn BSQL	Exam	3.00	
		Day2-M	Daily Quiz Day 1	Test/Quiz	0.50	
	Day 02: SQL Advance 2	Day2-M	Nhận xét kết quả làm Assignment của Day 1	Guides/Review	0.25	
		Day2-M	- SQL Language Elements - Stored Procedure - User-Defined Function, Trigger & Code practice - Simple Transaction	Concept/Lecture	2.50	ASQL_Lecture_04 Stored Procedure ASQL_Lecture_05 Trigger_UDF
		Day2-M	Hướng dẫn làm Assignment Day 2	Guides/Review	0.25	
		Day2-A	Daily Quiz Day 2	Test/Quiz	0.50	
		Day2-A	Practice Time: Assignment Day 2	Assignment/Lab	3.00	
		Day3-M	Nhận xét kết quả làm Assignment của Day 2	Guides/Review	0.50	
		Day3-M	Ôn tập BSQL & ASQL	Guides/Review	0.50	
	Day 3: Review & Exam	Day3-A	Final Topic Test: Theory Part	Exam	1.00	
		Day3-A	Final Topic Test: Practice Part	Exam	3.00	

Overview Schedule - BTNB - Basic Technical .NET-Based

Module	Day	Schedule	Content	Delivery Type	Duration (hrs)	Video
6.BTNB Basic Tech .Net Based	Day 1: Basic C# Programming Techniques	Day1-M	Giới thiệu về môn học	Concept/Lecture	0.50	Introduction
		Day1-M	C# Basics OOP Basics	Concept/Lecture	3.00	Lecture 01_Microsoft.Net FrameWork Lecture 02_Basic C# Syntax Lecture 04_Basic OOP in C# Lecture 05_Basic OOP in C# (Cont) Lecture 06_Basic OOP in C# (Cont)
		Day1-M	Hướng dẫn Assignment Day 1	Guides/Review	0.50	
		Day1-A	Practice Time: Assignment Day 1	Assignment/Lab	3.00	
		Day2-M	Daily Quiz Day 1	Test/Quiz	0.50	
	Day 2: Advanced OOP	Day2-M	Nhận xét kết quả làm Assignment của Day 1	Guides/Review	0.50	
		Day2-M	Advanced OOP in C#	Concept/Lecture	2.50	Lecture 07_Advanced C# Features Lecture 08_Advanced C# Features (Cont)
		Day2-M	Hướng dẫn Assignment Day 2	Guides/Review	0.50	
		Day2-A	Practice Time: Assignment Day 2	Assignment/Lab	3.00	
		Day3-M	Daily Quiz Day 2	Test/Quiz	0.50	
	Day 3: Exception Handling & Utilities	Day3-M	Nhận xét kết quả làm Assignment của Day 2	Guides/Review	0.50	
		Day3-M	Exception Handling & Utility Classes	Concept/Lecture	2.50	Lecture 09_Memory Management in C# Lecture 10_Exception Lecture 11_Utility class
		Day3-M	Hướng dẫn Assignment Day 3	Guides/Review	0.50	
		Day3-A	Practice Time: Assignment Day 3	Assignment/Lab	3.00	
		Day4-M	Daily Quiz Day 3	Test/Quiz	0.50	
	Day 4: Database programming with ADO.Net	Day4-M	Nhận xét kết quả làm Assignment của Day 3	Guides/Review	0.50	
		Day4-M	Database programming with ADO.Net	Concept/Lecture	2.50	Lecture 12_ADONET
		Day4-M	Hướng dẫn Assignment Day 4	Guides/Review	0.50	
		Day4-A	Practice Time: Assignment Day 4	Assignment/Lab	3.00	
		Day5-M	Daily Quiz Day 4	Test/Quiz	0.50	
	Day 5: Review & Exam	Day5-M	Nhận xét kết quả làm Assignment của Day 4	Guides/Review	0.50	

	Day 5: Logging, Debugging	Day5-M	Logging, Debugging and Tracing	Concept/Lecture	2.50	Lecture 13_FxCop
						Lecture 14_Log4Net
						Lecture 15_Debugging
	Day 6: Automation Unit Testing	Day5-M	Hướng dẫn Assignment Day 5	Guides/Review	0.50	
		Day5-A	Practice Time: Assignment Day 5	Assignment/Lab	3.00	
		Day6-M	Daily Quiz Day 5	Test/Quiz	0.50	
		Day6-M	Nhận xét kết quả làm Assignment của Day 5	Guides/Review	0.50	
		Day6-M	Automated Unit Testing with VS 2012 tools	Concept/Lecture	2.50	Lecture 16_WinForm
		Day6-M	Hướng dẫn Assignment Day 6	Guides/Review	0.50	
	Day 7: Topic Revision & Exam	Day6-A	Practice Time: Assignment 6	Assignment/Lab	3.00	
		Day7-M	Daily Quiz Day 6	Test/Quiz	0.50	
		Day7-M	Nhận xét kết quả làm Assignment của Day 6	Guides/Review	0.50	
		Day7-M	Ôn tập	Assignment/Lab	1.50	
		Day7-M	Final Topic Test: Theory Part	Exam	1.00	
		Day7-A	Final Topic Test: Practice Part	Exam	3.00	

Overview Schedule - ATNB - Practical .NET Web Programming

Module	Day	Schedule	Content	Delivery Type	Duration (hrs)	Video
7. ATNB Advanced Tech .Net Based	Day 1: HTML & CSS	Day1-M	Giới thiệu về môn học	Concept/Lecture	0.50	
		Day1-M	HTML & HTML5 CSS Basics Common Defects in Web Application	Concept/Lecture	3.00	
		Day1-M	Hướng dẫn Assignment Day 1	Guides/Review	0.50	
		Day1-A	Practice Time: Assignment	Assignment/Lab	3.00	
	Day 2: Javascript & Ajax	Day2-M	Daily Quiz Day 1	Test/Quiz	0.50	
		Day2-M	Nhận xét kết quả làm Assignment của Day 1	Guides/Review	0.50	
		Day2-M	JavaScript Basics Jquery & Ajax	Concept/Lecture	2.50	
		Day2-M	Hướng dẫn Assignment Day 2	Guides/Review	0.50	
		Day2-A	Practice Time: Assignment Day 2	Assignment/Lab	3.00	
	Day 3: ASPX Part I	Day3-M	Daily Quiz Day 2	Test/Quiz	0.50	
		Day3-M	Nhận xét kết quả làm Assignment của Day 2	Guides/Review	0.50	
		Day3-M	ASPX Part 1	Concept/Lecture	2.50	
		Day3-M	Hướng dẫn Assignment Day 3	Guides/Review	0.50	
		Day3-A	Practice Time: Assignment Day 3	Assignment/Lab	3.00	
	Day 4: ASPX Part II	Day4-M	Daily Quiz Day 3	Test/Quiz	0.50	
		Day4-M	Nhận xét kết quả làm Assignment của Day 3	Guides/Review	0.50	
		Day4-M	ASPX Part II	Concept/Lecture	2.50	
		Day4-M	Hướng dẫn Assignment Day 3	Guides/Review	0.50	
		Day4-A	Practice Time: Assignment Day 4	Assignment/Lab	3.00	
	Day 5: Entity Framework	Day5-M	Daily Quiz Day 4	Test/Quiz	0.50	
		Day5-M	Nhận xét kết quả làm Assignment của Day 4	Guides/Review	0.50	
		Day5-M	ORM & Entity Framework	Concept/Lecture	2.50	
		Day5-M	Hướng dẫn Assignment Day 5	Guides/Review	0.50	
		Day5-A	Practice Time: Assignment Day 5	Assignment/Lab	3.00	
	Day 6: ASPX MVC (Part 1)	Day6-M	Daily Quiz Day 5	Test/Quiz	0.50	
		Day6-M	Nhận xét kết quả làm Assignment của Day 5	Guides/Review	0.50	
		Day6-M	ASPX MVC (Part 1)	Concept/Lecture	2.50	
		Day6-M	Hướng dẫn Assignment Day 6	Guides/Review	0.50	
		Day6-A	Practice Time: Assignment Day 6	Assignment/Lab	3.00	
	Day 7: ASPX MVC (Part 2)	Day7-M	Daily Quiz Day 6	Test/Quiz	0.50	
		Day7-M	Nhận xét kết quả làm Assignment của Day 6	Guides/Review	0.50	
		Day7-M	ASPX MVC (Part 2)	Concept/Lecture	2.50	
		Day7-M	Hướng dẫn Assignment Day 7	Guides/Review	0.50	
		Day7-A	Practice Time: Assignment Day 7	Assignment/Lab	3.00	
	Day 8: Topic	Day8-M	Topic Revision	Guides/Review	2.50	

	Revision & Exam	Day8-M	Final Topic Test: Theory Part	Exam	1.50	
		Day8-A	Final Topic Test: Practice Part	Exam	3.00	