JUMP START YOUR CAREER WITH INDUSTRY READY SKILLS

## Introduction to LEARN COMPUTER SCIENCE

# **2 months** winter program

#### HTML5



**REGISTER NOW** 









## **ABOUT TRAINERS**

#### MS. SYEDA HIFZA MARIJ

Syeda Hifza Marij is Software Engineering Graduate from Fatima Jinnah Women University. She is currently working as a PR & Communications Manager at Entrepreneurship Development Institute, Islamabad. She is also Inductin's Spokesperson and is actively involved with the Islamabad section of IEEE.

#### JUNAID CHAUDHRY

Junaid Chaudhry is the Vice President of Human Resources and a Psychologist/Counsellor at Inductin and 360 Technologies. He studied Biology at Duke University (USA) and obtained his Master's Degree from Oklahoma (USA). Junaid leads the Inductin Interactive Assessment Program (Career Counselling Program), adapted from a U.S. Program. The Program helps individuals understand their interests, competencies, and motivations, and matches individuals with career choices.

Interactive Assessment Program (Career Counselling); Stress Management (Cognitive Behavioral Therapy); Communication Skills;

- Leadership Skills;
- and others





# ABOUT CS-101

We believe that anyone can succeed in and enjoy computer science. This course is an early introduction to CS, designed for anyone who's completely new to the field. It explores a combination of the basic principles of how computers work and how we can use them to solve interesting problems and create amazing things. Lessons alternate between general exercises and assignments in Scratch, which offer a chance to both practice some basic concepts of computer programming and explore many creative and useful applications of CS.

You don't need any CS or programming background to do this course - just a bit of basic math and a lot of creative thinking. The course is intended especially for non-CS students and graduates.



#### WHAT YOU WILL LEARN

- How computers store and work with information
- The Amazing world of internet and e-commerce.
- Introduction to Cloud Computing.
- How computers use algorithms to solve problems
- Computational thinking
- The Scratch Programming language

#### SOFT SKILLS

For a complete professional development experience, this course comes with soft skills training sessions which include but not limited to:

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- Presentation Skills
- Creative problem solving and decision making
- Leadership skills
- Communication skills (listening skills)
- Teamwork / collaboration skills
- Stress management
- Emotional intelligence (EQ)

## WEEK 1

Intro to Internet and Web, Client server Architecture, Dynamically changing technology and world.

WEEK 3

Introduction to Networking, LAN, WAN, VPN, TCP/IP, HTTP, HTTPS WEEK 7

WEEK 8

Security. Artificial intelligence

**WEEK 10** 

5

Labs

### WEEK 9

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Introduction to Mobile Application Development. Android, iOS, Android overview, App development Process. App Fundamentals.

JavaScript. Ajax

SQL, Basics of DB design and query writing.

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WEEK 2

WEEK 4

Binary, ASCII, Algorithms, Pseudo code, Source code,

Compiler, Object code, Statements, Boolean expressions, Conditions, Loops, Variables, Functions, Arrays,

Threads, Events,

Introduction to Databases,

You

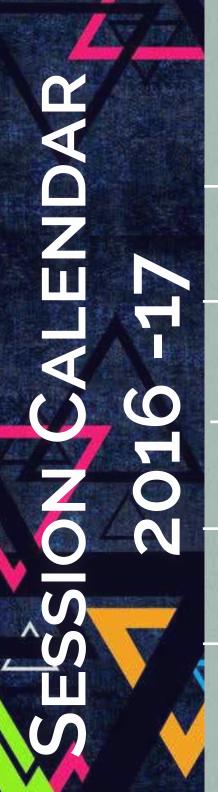
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### WEEK 5

Amazing world of e-commerce, Payment gateways, tips & tricks to setup online business.









March 2017



June 2017 **Ö**ummer

September 2017



December 2017



#### 360 technologies brings



in collaboration with National Institute of Science & Technical Education

#### A LEARNING PLATFORM & RESOURCE DEVELOPMENT

## BY THE INDUSTRY FOR THE INDUSTRY

A first of its kind Public-Private Partnership for an end to end, 360 degree, youth development initiative with hard and soft skill development to create job-ready resource.

> We are here to fill the gaps BETWEEN

Academia and Industry Industry and Human Resource

WE PREPARE THE RIGHT RESOURCE FOR THE RIGHT JOB

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