

# **Where the Girls Take the Role of Boys in Computer Science**

## **Attitudes of Computer Science Students in a Women Dominant Environment**

### **Questionnaire:**

1. Specify your gender:

>Female

>Male

2. Did you attend computing lessons in school?

>Yes

>No

If (yes): Did your teacher have a positive influence on you to love to specialize in computer science?

>Yes

>No

3. At which age was your first interaction with a computer? \_\_\_\_\_

4. What was the type of interaction?

>Gaming

>Internet browsing

>Application program (M. Office, Paint, Adobe Photoshop ....)

>Other: \_\_\_\_\_

5. What fascinates you the most about computers?

> Playing games

> Internet browsing and chat

> I can use office programs (Word, Excel, Power point, etc.)

> I can use drawing/image editing programs (Paint, Adobe Photoshop, etc.)

> Programming

> Understanding how the computer works

> I can do so many different things with the computer (It is fascinating that the computer has so many applications)

> Other: \_\_\_\_\_

6. Which programming languages did you already know when you began to study computer science?

> Visual Basic, where did you learn it? \_\_\_\_\_

> Pascal, where did you learn it? \_\_\_\_\_

> C, where did you learn it? \_\_\_\_\_

> C++, where did you learn it? \_\_\_\_\_

> None

> Other and where did you learn it? \_\_\_\_\_

7. In which domain do you use the computer most? \_\_\_\_.

Which application program do you use the most? \_\_\_\_.

8. Do you have your own computer?

>Yes.

>No.

If (yes): When did you buy your first computer? \_\_\_\_.

If (No): Do you use:

>A computer of a family member.

>A friend's computer.

>Go to an Internet Cafe.

>A computer in your department.

>Other: \_\_\_\_\_.

9. Do you have Internet access at home?

>Yes.

>No.

If (yes): Since when? \_\_\_\_\_.

If (No): Where do you usually access the internet?

>At friend's house.

>At the University.

>Go to an Internet Cafe.

10.

What is the percentage of using the internet for study purpose and to develop your abilities in computer science?  
\_\_\_\_\_ %

And is the information that you get from the internet is much more than you get from the professor/lecturer and books?

>Yes.

>No.

If (No): Do you depend only on the professor/lecturer on getting the information?

>Yes.

>No.

Why don't you depend on books?

>Old curriculum book

>Not understandable curriculum book

> There is no curriculum book

>Other reasons: \_\_\_\_\_

You depend when making your reports and programming assignments on:

>Internet

>book

>other ways: \_\_\_\_\_

11. In percentage, how much do you depend in your study on:

1- Professor/lecturer lecture? \_\_\_\_\_ %

2- Tutoring? \_\_\_\_\_ %

3- Internet? \_\_\_\_\_ %

4- Book? \_\_\_\_\_ %

5- Friend? \_\_\_\_\_ %

12. What was your real passion to study when you finished secondary school?

>Computer Science

>Other (please name the specialty): \_\_\_\_\_

13. If Computer Science was not your passion due to the way that you have been accepted through the central distribution procedure, why did you choose to continue your study to specialize in it?

> Family opinion

> Computer science can interfere in the specialty that I love.

> Society privilege

> Other reason: \_\_\_\_\_

14. Do you now regret studying computer science?

>Yes.

>No.

If (yes): why? \_\_\_\_\_

15. Which apprehensions do you have concerning your choice of study?

>I could study at the wrong place.

>I could be unemployed in future.

>I could have a wrong conception of the studies.

>The studies might be too difficult for me.

>Other: \_\_\_\_\_

16. What other major reason made you choose computer science as a study / continuing in it?

>Guarantee to get a job later

>Diversity of occupational possibilities

>Own aptitude and abilities

>I had classes related to "computing", to mention: \_\_\_\_\_.

>Other: \_\_\_\_\_

17. What qualifies you for studying Computer Science?

>I like to work in a team

>I can think logically

>I own a PC

>I am good in mathematics

>Other: \_\_\_\_\_

18. What perspective do you have for your computer science study?

>Learning to understand many complicated issues

>Much group work

>Spending much time using a computer

>Reading many books

>Learning many programming languages

>Focusing on reading the lectures of the professor to succeed in exams

>Other: \_\_\_\_\_

19. What do you think it takes mainly to succeed later in computer science on work level?

>Logical thinking

>High ability in Mathematics

>Mastering a programming language

>Expanding and modernizing computing information

>Other: \_\_\_\_\_

20. What do you see yourself in the future?

>As a computer administrator

>Professional computer user

>Programmer and solving complicated problems

>Developing software systems

>Teaching people about computer science

> Teaching people about computer and its uses

> Webmaster / Web Designer

> Computerizing things

> Project manager

> IT Professional

>Other: \_\_\_\_\_

21. Do you think that men do better in Computer Science than women?

>Yes

>No

Please describe briefly in your opinion why do you think that? : \_\_\_\_\_

22. How do you define computer science?

\_\_\_\_\_

23. Regarding the admission policy to Iraqi universities, is it right?

>Yes

>No,

If (No): What do you think the correct admission policy should be? \_\_\_\_\_

24. Are you the oldest child member in the family?

>Yes

>No,

If (No): What is your order (from older to younger): \_\_\_\_\_ out of \_\_\_\_\_.

25. How many brothers/sisters do you have? \_\_\_\_\_ brothers, \_\_\_\_\_ sisters.

How many brothers/ sisters older than you? \_\_\_\_\_ brothers, \_\_\_\_\_ sisters.

26. Is there any influence on your choice (or continuity) to study and specialize in computer science from?

>your father, his profession: \_\_\_\_\_.

>your mother, her profession: \_\_\_\_\_.

>your sibling, his/her profession: \_\_\_\_\_.

>your friend, his/her profession: \_\_\_\_\_.

>other person? his/her profession: \_\_\_\_\_.

27. Do you think that the work in computer science field is for?

>The male society.

>The female society.

> Both of them.

28. In your opinion, what is the Iraqi society point of view on a computer science specialist? \_\_\_\_\_

29. You are a:

>First year student

>Second year student

>Third year student

>Fourth year student

>Postgraduate student