



## Section A: Consent

This survey aims to identify the benefits of including the Systematic Literature Review discipline for graduate students in Computer Science course.

### A1. Consent

I agree that my answers will be used only for research purposes

## Section B: Profile

Filling in the identification fields (name and email) is optional. You can answer this survey anonymously.

### B1. Name

### B2. E-mail

### B3. Year that you concluded the Systematic Literature Review discipline

 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27  28  29  30  31  32  33  34  35  36  37  38  39  40  41  42  43  44  45  46  47  48  49  50  51  52  53  54  55  56  57  58  59  60  61  62  63  64  65  66  67  68  69  70  71  72  73  74  75  76  77  78  79  80  81  82  83  84  85  86  87  88  89  90  91  92  93  94  95  96  97  98  99  100 

### B4. Which is your research area? (e.g., Software Engineering)

### B5. Which was your role(s) when you attended to the discipline of SLR?

- Graduate Student (Master)
- Graduate Student (Ph.D.)
- Faculty Member (Supervisor)
- Faculty Member (Lecturer)
- Research Staff



## Other

## Other

**B6. Which is your current role(s)?**

## Graduate Student (Master)

1

### Graduate Student (Ph.D.)

1

### Faculty Member (Supervisor)

1

### Faculty Member (Lecturer)

1

## Research Staff

1

## Other

1

## Other

**B7. Did you use the result of the SLR that you conducted during or after the discipline in your dissertation/thesis?**

Yes

1

No

1

**B8. Did you publish the result of the SLR that you conducted during or after the discipline in some conference/journal?**

Yes

1

No

1

**B9.** If possible, could you provide the link to the published Systematic Literature Review that you conducted in the discipline?

**B10. How many SLRs did you conduct after the SLR discipline?**



## Section C: SLR in the computer science graduate course

This section aims to identify the benefits of the Systematic Literature Review discipline

### C1. You think that the discipline of SLR could be attended by:

	Strong Disagree	Disagree	Undecided	Agree	Strong Agree
Graduate students who need to better understand the SLR process in all its steps	<input type="checkbox"/>				
Graduate students who need to develop skills in research	<input type="checkbox"/>				
Graduate students who need to perceive the importance of searching for evidence/studies	<input type="checkbox"/>				
Graduate students who need to acquire experience of reading and understand scientific studies	<input type="checkbox"/>				
Graduate students who need to learn from studies to get knowledge	<input type="checkbox"/>				
Graduate students who need to collaborate with other researchers (to develop the skill of teamwork)	<input type="checkbox"/>				

### C2. In your opinion, an SLR discipline should encompass:

	Strong Disagree	Disagree	Undecided	Agree	Strong Agree
Explanation of practical and theoretical aspects of the SLR process	<input type="checkbox"/>				
Presentation of the SLR protocol that is used to both formalize the review and document its execution	<input type="checkbox"/>				
Discussion on the comprehension and completeness search for studies to be included in a review	<input type="checkbox"/>				
Establishment of criteria to perform the selection of studies	<input type="checkbox"/>				
Presentation of the methods that can be used to analyze and summarize the SLR results	<input type="checkbox"/>				
Assessment of threats to validity of SLR	<input type="checkbox"/>				
Comparison between Systematic Mapping (SM) and SLR	<input type="checkbox"/>				
Discussion on the challenges associated with conducting the SLR	<input type="checkbox"/>				

### C3. During the discipline of SLR, it helped you to develop the following skills:

	Strong Disagree	Disagree	Undecided	Agree	Strong Agree
Ability to learn a new process (for instance, the process to conduct SLR)	<input type="checkbox"/>				
Recognition of the research problems (i.e., the gaps of research)	<input type="checkbox"/>				
Recognition of studies in a specific field (relevant studies of your interest)	<input type="checkbox"/>				
Conduction of research in a scientific and systematic way	<input type="checkbox"/>				



	Strong Disagree	Disagree	Undecided	Agree	Strong Agree
Ability of critical review (by selecting studies)	<input type="checkbox"/>				
Recognition of the good research practices (SLR process)	<input type="checkbox"/>				
Usage of the information sources (search for studies)	<input type="checkbox"/>				
Academic writing - Documenting and reporting (e.g., writing protocol and, describing results)	<input type="checkbox"/>				
Construction of the relationships and networks (with instance, supervisor, other students, etc)	<input type="checkbox"/>				
Ability of teamwork (SLR team)	<input type="checkbox"/>				

#### C4. During the discipline, my classmates helped me to:

- |   |                          |
|---|--------------------------|
| Define the main objective of Systematic Literature Review | <input type="checkbox"/> |
| Define the research questions                             | <input type="checkbox"/> |
| Define which search sources and strategies would be used  | <input type="checkbox"/> |
| Define which keywords would be included in search string  | <input type="checkbox"/> |
| Define the search string                                  | <input type="checkbox"/> |
| Define which selection criteria would be used             | <input type="checkbox"/> |
| Define which quality criteria would be used               | <input type="checkbox"/> |
| Identify primary studies                                  | <input type="checkbox"/> |
| Select primary studies                                    | <input type="checkbox"/> |
| Extract data studies selected                             | <input type="checkbox"/> |
| Analyze the data extracted                                | <input type="checkbox"/> |
| Write the report  | <input type="checkbox"/> |

#### C5. After finishing the discipline of SLR, nowadays you believe that the gains of attending this discipline include:

	Strong Disagree	Disagree	Undecided	Agree	Strong Agree
Knowledge about the SLR process	<input type="checkbox"/>				
Gain of knowledge and practical skills necessary for your graduate course	<input type="checkbox"/>				
Identification of the relevant research questions for your graduate course	<input type="checkbox"/>				
Construction/Development of the protocol for an SLR	<input type="checkbox"/>				
Development of skills in using tools to facilitate the SLR process	<input type="checkbox"/>				



	Strong Disagree	Disagree	Undecided	Agree	Strong Agree
Enhancement of critical thinking skills	<input type="checkbox"/>				
Enhancement of the data interpretation skills	<input type="checkbox"/>				
Learning of how to plan/write/publish a scientific paper presenting results of an SLR	<input type="checkbox"/>				
Building of connections with researchers and other graduates who share similar research interests with you	<input type="checkbox"/>				

## **Section D: Experiences of students/professors who attended the SLR discipline**

This section aims to identify additional experiences of taking the Systematic Literature Review discipline.

**D1. Please describe your difficulties to do/conduct the Systematic Literature Review during the discipline.**

**D2. Please write your suggestions to improve Systematic Literature Review discipline.**

**D3. Please describe your additional experience learning SLR (for instance, expectations, skills acquired, strengths of the discipline, points to be improved, if you would recommend this discipline to others, etc.) or any additional comments or those relate to Sections A, B, and C of this questionnaire.**