

**A Critical success factors evaluation model for adopting and implementing smart contract**

**OBJECTIVE OF THE STUDY**

Dear Respondent,

This study aims to identify and classification the factors that can influence the adaption of smartcontract in different stages and determine the relationship between the identified success factors.

Thanks in advance for your cooperation and support.

**Q1:** what is your Full Name?    Mohamed Grida

**Q2:** How relevant and helpful do you think it was for your job? Relevant

**Q3**: what is your Email address? mogrida@hotmail.com

**Q4**: what is your Country? Egypt

**Q5:** what is your Job title industry/academic? CEO

**Q6**: How many years of industry/academia experience do you have in your field?











**Q7:** what is your functional area?

















**Q8:** Does your organization adopted smartcontract technology standards or models? (Please specify)

No

**Q9:** How long the smartcontract is operation in your organization? (Years)

0

**From questions 10 to 14:** The aim of these questions is to specify the success factors that could impact the adaption of smartcontract in different stages. Please rank each factor according to your understanding and experience.

Scoring Scale

0. =No influence

1. =Low influence

2. =Middle influence

3. = High Influence

4. =Very high Influence

**Q10:** Identified Categories of the Factors

|  |  |  |  |
| --- | --- | --- | --- |
|  | Technological context | Organizational context | Environmental context |
| Technological context | **2** | **1** | **3** |
| Organizational context | **3** | **3** | **0** |
| Environmental context | **4** | **3** | **4** |

**Q11:** Identified Challenging Factors and Categories in creation stage

C1: Technological context

|  |  |  |
| --- | --- | --- |
|  | Complexity | maturity |
| Complexity |  | 2 |
| maturity | 4 |  |

C2: Organizational context

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Lack of experience and knowledge | Top management support | Organizational culture | Adequate resource | Organization slack |
| Lack of experience and knowledge |  | 4 | 4 | 2 | 2 |
| Top management support | 3 |  | 1 | 4 | 2 |
| Organizational culture | 3 | 1 |  | 2 | 2 |
| Adequate resource | 1 | 1 | 1 |  | 3 |
| Organization slack | 0 | 0 | 0 | 4 |  |

C3: Environmental context

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Laws and Policy | Competitive pressure | Functional issues | Readability | Lack of social context |
| Laws and Policy |  | 4 | 3 | 4 | 0 |
| Competitive pressure | 1 |  | 0 | 0 | 0 |
| Functional issues | 0 | 0 |  | 4 | 2 |
| Readability | 1 | 1 | 4 |  | 2 |
| Lack of social context | 2 | 0 | 3 | 3 |  |

**Q12:** Identified Challenging Factors and Categories in deployment stage

C1: Technological context

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Complexity | maturity | Infrastructural facility | compatibility |
| Complexity |  | 1 | 3 | 4 |
| maturity | 3 |  | 3 | 1 |
| Infrastructural facility | 1 | 1 |  | 2 |
| compatibility | 4 | 0 | 3 |  |

C2: Organizational context

|  |  |  |
| --- | --- | --- |
|  | Lack of experience and knowledge | Adequate resource |
| Lack of experience and knowledge |  | 1 |
| Adequate resource | 4 |  |

C3: Environmental context

|  |  |  |  |
| --- | --- | --- | --- |
|  | Dynamic control flow | immutable | Contract correctness |
| Dynamic control flow |  | 0 | 3 |
| immutable | 2 |  | 2 |
| Contract correctness | 4 | 0 |  |

Q13: Identified Challenging Factors and Categories in execution and completion stage

C1: Technological context

|  |  |  |  |
| --- | --- | --- | --- |
|  | Scalability | maturity | Infrastructural facility |
| Scalability |  | 0 | 0 |
| maturity | 3 |  | 1 |
| Infrastructural facility | 4 | 2 |  |

C2: Environmental context

|  |  |  |  |
| --- | --- | --- | --- |
|  | transaction-ordering dependence | Execution efficiency | issues of privacy  and security |
| transaction-ordering dependence |  | 4 | 4 |
| Execution efficiency | 0 |  | 1 |
| issues of privacy  and security | 3 | 4 |  |

**Q14:** Please add additional success factors if any..??

Click or tap here to enter text.

Thank you so much for helping me, if you have any other suggestions related smart contract technology please mention below.

Additional Suggestions???

Click or tap here to enter text.