



نادي بلوكتشين
BLOCKCHAIN CLUB



BLOCKS
بلوكس

Oman Blockchain Club Competition Blockchain Voting Application

Kindly visit the website to register: www.blockchainoman.om

Deadline: End of June 2018

Contents

1. Brief -----	3
2. Objective -----	4
3. Who may apply for this competition? -----	5
4. Program Phases -----	6
5. Competition Phases Timeline -----	8
6. Competition Evaluation Process -----	9
7. Milestones Assessments of Evaluation Stages -----	10
a. Stage 1. Review of brief proposals -----	10
b. Stage 2. Detailed Proposal -----	11
c. Stage 3. Presentation and Competency -----	12
d. Stage 4. Mid - Progress Evaluation -----	13
e. Stage 5. Final evaluation of the applications -----	14
8. Financial Prize & Business Opportunities -----	15
a. Winners Prize -----	15
b. Business Opportunities -----	15

Brief

The 4th industrial revolution race is highly dependent on digital technologies developed by talented people. Entering this race requires development of local talent, especially those in their final academic stages. The aim of this competition is to encourage the students and create opportunities to discover their capabilities as well as supporting them in establishing their own enterprises. The competition is focused on developing Blockchain applications (in coordination with the Blockchain Solutions & Services company). There will be three winners in this competition. 1st place winner will win a cash prize have the opportunity to become an entrepreneur and market their application locally and internationally through a joint venture with Blockchain Solutions & Services (BSS) Company. 2nd and 3rd place winners will win cash prizes as well as the opportunity to join an incubation program with SAS or Riyadhda.

Objective

To stimulate the spirit of entrepreneurship in Omani society, especially Omani graduates and post-graduate students in their final stages of academic education. This competition gives them the opportunity to utilize their acquired skills, competences and interests in developing Omani owned Blockchain applications.

Who may apply to this competition?

- Undergraduate or post-graduate Omani developers from local or international academic institutions
- Entrepreneurs from society
- The applicant(s) must be a member with the Oman Blockchain Club
- The competition teams should clearly indicate the role of each member

Usefull Skills for the Project include:

- Good comprehension of distributed ledger technology, cryptography and mathematical algorithms
- Ability to design secure digital wallets with recovery options
- Good comprehension of:
 - Microsoft ASP.NET MVC, Web API
 - API Frameworks (appreciation of and ability to apply API-first design principles)
 - REST + JSON
 - C, C++, C# and F#
 - JavaScript

Program Phases

Phases	Description	Month
Phase 1	Announcement of the Competition by HE Abdulsalam in SQU event and in the Blockchain Club Website.	May
Phase 2	Submission of brief proposals.	June
Phase 3	Selection of the best brief proposals.	Start of July
Phase 4	Announcement of selected brief proposals in the Club's Website, and awareness program.	End of July
Phase 5	Submission of Detailed Proposal.	Aug - Sept
Phase 6	Presentation of detailed proposal to a panel	End of Sept
Phase 7	Panel approvals for selected projects to go ahead with development as per the detailed proposal.	End of Sept
Phase 8	Agile development process review with participants.	Nov - Dec



Phase 9

Demonstration of developed applications to the panel.

Start of Jan

Phase 10

Announcement of winners

End of Jan

Competition Phases Timeline

Phases		Months (May 2018 to Jan 2019)												
		5	6	7	8	9	10	11	12	1				
1	Announcement of the Competition by HE Abdulsalam in SQU event and in the Blockchain Club Website.	█												
2	Submission of brief proposals.		█	█										
3	Selection of the best brief proposals			█	█									
4	Announcement of selected brief proposals in the Club's Website, and awareness program				█									
5	Submission of Detailed Proposal.					█	█							
6	Presentation of detailed proposal to a panel							█						
7	Panel approvals for selected projects to go ahead with development as per the detailed proposal							█						
8	Agile development process review with participants									█	█			
9	Demonstration of developed applications to the panel												█	
10	Announcement of best three winners during Blockchain Club 2019 Symposium													█

Competition Evaluation Process

Descriptions	Stages	Month (May 2018 to Jan 2019)	Percentage (%)
Stage 1	Review of brief proposals	June	10
Stage 2	Detailed Proposal	Aug - Sept	15
Stage 3	Presentation and Competency	End of Sep	15
Stage 4	Mid - progress evaluation	Nov - Dec	15
Stage 5	Final evaluation of the applications	Start of Jan	45

Stage 1. Review of brief proposals

#	Measures	%
1	Clarity of the written brief proposals (not more than 1000 words, excluding any graph, chart or diagrams)	2
2	Proof of the novelty	3
3	Brief Technical Description about the application	3
4	Identify various voting application markets	2
Total percentage of Stage 1		10

Stage 2. Detailed Proposal (up to 10000 words, excluding any graph or chart)

#	Measures	%
1	Abstract/brief	1
2	Introduction about the application	3
3	Scope of Work/Execution Methodology:	
	The source intended to be used for developing the application with objective explanations of source selection	4
	Needed Cybersecurity	3
	Execution Plan (11 Weeks), should include periodic execution milestones, from September to December	3
4	List of the team with their contribution and roles as well as the mentor(s)/supervisor(s). The mentor could be from academic institutions or from related industry or government organizations	1
Total percentage of Stage 2		15

Stage 3. Presentation and Competency

#	Measures	%
1	knowledge about Blockchain in general	2
2	Explanation of how the application will function and why it is important for the selected market	3
3	Confidence and knowledge about the selected source for developing the application	5
4	Execution Plan and periodic execution milestones	4
5	Justification about the selected team and mentor	1
Total percentage of Stage 3		15

Stage 4. Mid - Progress Evaluation

#	Measures	%
1	Level and amount of executed milestones according to the planned Execution Plan	5
2	Exceptional breakthrough; like managed to execute milestones before the planned durations effectively (Proof is required)	3
3	Extraordinary innovative breakthroughs; like managed to improve bug control and/or to overcome challenges (Proof is required)	3
4	Cybersecurity precautions/model	4
Total percentage of Stage 4		15

Stage 5. Final evaluation of the applications

#	Measures	%
1	Level of knowledge and competency about the application	4
2	How user friendly the application is?	9
3	How functional is the application is?	9
4	How effective is the back end solution at auditing?	9
5	How secure this application is for the selected market?	9
6	How this application can be utilized for other needs at national level	5
Total percentage of Stage 5		45

Financial Prize & Business Opportunities

a. Winners Prize:

- 1st place gets 4000 (OMR)
- 2nd place gets 2000 (OMR)
- 3rd place gets 1000 (OMR)

b. Business Opportunities:

- Possible opportunity for a Joint Venture with BSS to take solution to market locally and internationally.
- 2nd and 3rd Places may get incubation in SAS or Riyadh.