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ROYAL EDUCATION COUNCIL



REC/CDC/STEM-Sci (2)/2018-19/ 6071

April 12, 2019

To
The Principals,
Participating MSS/HSS/CS

Sub: Results for Evaluation of Proposal Paper for STEM Olympiad 2019.

Dear Sir/Madam,

The Royal Education Council is pleased to announce the results of the evaluation of the proposal papers, for the National STEM Olympiad 2019 on the theme, “*Artificial Intelligence for Sustainable Farming*,” received from 60 higher/central/middle secondary schools.

These proposals submitted to the REC, as per the guidelines and within the given dateline, were evaluated by a team of external evaluators selected from relevant agencies in the evaluation workshop conducted by the council. The 20 proposals/schools selected by the evaluation team based on the marks/points obtained as per the evaluation criteria shall be provided with the rapid prototype software, robotics kits/hardware, and training for the development of prototype/models based on their proposals within May 10,2019. The team of evaluators will visit these 20 schools between May 11-20,2019. The team of evaluators will visit these 20 schools between May 11-20,2019 to further evaluate and select the best 16 projects to be brought to the National STEM Olympiad to be held at Mongar Lower Secondary School in May 29-31,2019.

REC, therefore, would like to congratulate the selected schools and also thank all the schools who have put in a lot of work and effort in coming up with and submitting creative and innovative proposals.

The Proposal Evaluation Sheets are attached herewith and also available on our website www.rec.gov.bt for your reference.

With warm regards
Yours Sincerely,

(Kinga Dakpa)
Director

Copy to:

6. Director General, DSE, MoE, Thimphu for kind information
7. Dasho Dzongdas of concerned Dzongkhags for kind information
8. DEO/TEOs of concerned Dzongkhags / Thromdes
9. Dean, Curriculum Development Centre, REC
10. Office copy

Proposal Evaluation Result for National STEM Olympiad 2019


Royal Education Council


Sl. No.	Name of prototype	School Code (File Name)	Name of the the School	Dzongkhag/ Thromde	Points				Grand Total	Remarks
					Evalu tor 1	Evalu tor 2	Evalu tor 3	Evalu tor 4		
1	Zhingsuub -our new Farm Police	NSTEMO2019008	Dechencholing HSS	Thimphu Thromde	29	29	32	35	125	Selected
2	Bajobot. 1	NSTEMO2019001	Bajothang HSS	Wangduephodrang	31	28	29	34	122	Selected
3	AgriBest	NSTEMO2019020	Jigme Sherubling CS	Trashigang	33	27	31	31	122	Selected
4	Hydroponic	NSTEMO2019027	Loselling MSS	Thimphu Thromde	29	28	31	28	116	Selected
5	AI Farming for GNH Community	NSTEMO2019060	Jampeling CS	Trashigang	27	29	30	27	113	Selected
6	The Smart AI Greenhouse	NSTEMO2019047	Takste CS	Trongsa	31	24	29	28	112	Selected
7	BHT AI Agribot	NSTEMO2019053	Ugyen Academy	Punakha	25	26	29	31	111	Selected
8	Sustainable Farm Tech	NSTEMO2019044	Shari HSS	Paro	27	25	32	26	110	Selected
9	IoT Based Automatic Irrigation	NSTEMO2019017	Gongzim UD CS	Haa	27	24	31	27	109	Selected
10	Farming Multipurpose Robotics	NSTEMO2019038	Punakha CS	Punakha	25	26	25	32	108	Selected
11	ASIMOV	NSTEMO2019042	Samtse HSS	Samtse	27	27	30	24	108	Selected
12	MADDE Logic Scarecrow	NSTEMO2019040	Royal Academy	Paro	30	23	27	27	107	Selected
13	Contrive Water Source for Farming	NSTEMO2019043	Sarpang HSS	Sarpang	25	25	32	25	107	Selected
14	Drukbots Farming Tech	NSTEMO2019009	Drukgyel CS	Paro	24	24	27	31	106	Selected
15	The Crop Doctor and the Diagnosis Operating Centre	NSTEMO2019028	Lungtenzampa MSS	Thimphu Thromde	23	24	28	30	105	Selected
16	SPAVA360	NSTEMO2019032	Nima HSS	Thimphu Thromde	23	23	28	30	104	Selected
17	Feed the soil not the plant	NSTEMO2019010	Druk School	Thimphu Thromde	24	22	29	27	102	Selected
18	The Air Aide	NSTEMO2019022	Karmaling HSS	S/Jongkhar	24	27	29	22	102	Selected
19	Zero Season Farm	NSTEMO2019004	Daga CS	Dagana	25	26	25	22	98	Selected
20	PSW Machine	NSTEMO2019058	Zhemgang CS	Zhemgang	26	25	23	23	97	Selected
21	Smart Crop Shielded Moisture Controller	NSTEMO2019030	Motithang HSS	Thimphu Thromde	22	21	28	25	96	
22	Spacing and Prematuring Device	NSTEMO2019041	Samcholing MSS	Trongsa	23	20	27	26	96	
23	Automated Irrigation System	NSTEMO2019024	Khasadrapchu MSS	Thimphu	24	21	26	24	95	
24	Agribot	NSTEMO2019050	Thrimshing CS	Trashigang	24	21	26	21	92	
25	Combo Tech Tool	NSTEMO2019005	Damphu HSS	Tsirang	23	19	21	26	89	

Handwritten signatures and initials in blue ink are present on the left side of the page, including a large signature at the top and several smaller ones below.

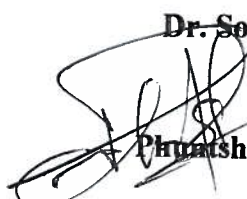


26	360° Protection for Crops	NSTEMO2019039	Rangjung HSS	Trashigang	26	19	24	19	88
27	Smart Farming	NSTEMO2019035	Peljorling HSS	Samtse	22	25	21	19	87
28	Electronic Farmer	NSTEMO2019036	Phuntsholing MSS	P/Ling Thromde	20	24	22	21	87
29	Smart Fish Farming	NSTEMO2019037	Phuntsholing HSS	P/Ling Thromde	24	18	21	24	87
30	Smart Agriculture with Smart Irrigation and Farming	NSTEMO2019057	Yangchenphug HSS	Thimphu Thromde	24	17	23	21	85
31	Water Pump for Sustainable Farmer	NSTEMO2019007	Dashiding HSS	Punakha	23	16	23	21	83
32	TCS FOUR in ONE	NSTEMO2019051	Tshangkha CS	Trongsa	19	19	22	22	82
33	Waste Water Treatment Plant for Agriculture	NSTEMO2019052	Tsangkha MSS	Dagana	20	17	22	23	82
34	FAR (Farming and Revolution) Bot	NSTEMO2019013	Gelephu HSS	Gelephu Thromde	18	20	22	20	80
35	Aquaponic System for Sustainable Farming	NSTEMO2019025	Kuzugchen MSS	Thimphu	24	17	20	17	78
36	Organic Sugarcane Farming boon to Bhutan	NSTEMO2019011	Garpawoong MSS	S/Jongkhar	18	17	20	22	77
37	Farm OctoBot	NSTEMO2019029	Mongar HSS	Mongar	18	16	20	20	74
38	Khotsa	NSTEMO2019033	Orong CS	S/Jongkhar	23	16	18	17	74
39	Agri Bot	NSTEMO2019014	Gelephu MSS	Gelephu Thromde	19	16	19	19	73
40	Soil Moisture Mapper	NSTEMO2019046	Sonamthang CS	Zhemgang	16	16	19	22	73
41	24x7 Smart Farm	NSTEMO2019012	Gaselo CS	Wangduephodrang	22	15	15	19	71
42	AI in Hydroponics	NSTEMO2019026	Lango MSS	Paro	19	14	20	18	71
43	AI in Aquaponic System	NSTEMO2019056	Yebilapta CS	Zhemgang	19	16	21	15	71
44		NSTEMO2019015	Gesarling HSS	Dagana	20	13	19	17	69
45	A Time machine with AI for more productivity, sustainability and GNH	NSTEMO2019049	Tashiste HSS	Trashigang	16	15	22	15	68
46	Extraordinary Multitask Farming	NSTEMO2019021	Kabesa CS	Punakha	17	13	19	18	67
47	Vertical Hydroponics	NSTEMO2019006	Darla MSS	Chukha	20	13	17	15	65
48	Auto Functioning Greenhouse	NSTEMO2019031	Nangkhor CS	Pemagatshel	16	13	16	20	65
49	Residential Electrical Security Device	NSTEMO2019059	Gongthung MSS	Trashigang	16	15	18	16	65
50	Multi Task Robot	NSTEMO2019054	Yadi CS	Mongar	16	18	15	15	64
51	Dragon Server	NSTEMO2019055	Yangchen Gatshel MSS	Thimphu	15	18	16	14	63
52	Pledger 4DX	NSTEMO2019016	Gomtu MSS	Samtse	18	11	17	15	61

54	The Solar Powered Weeding Robot	NSTEMO2019048	Tang CS	Bumthang	12	13	13	14	52	
55	Solar Powered Pump for Agriculture	NSTEMO2019003	Chundu AFPS	Haa	14	7	13	12	46	
56	Hay Cutter	NSTEMO2019018	Jakar HSS	Bumthang	10	5	11	10	36	
57	Smart Farmer web Application(SWFA)	NSTEMO2019002	Buli CS	Zhemgang	10	6	6	5	27	
58	Robo Tract	NSTEMO2019019	Jampel HSS	Haa	9	7	6	4	26	
59	Fodder Cutter	NSTEMO2019023	Keydikhar MSS	Mongar	5	6	4	7	22	
60	Druk Agri Bot	NSTEMO2019034	Pelkhil HSS	Thimphu Thromde	3	4	3	2	12	


Dupjay Pelzang
10/4/19


Jigme Yeshe
10/04/2019


Wangchuk


Dr. Som Gurung

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10/04/19


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