





مشروع جلالة الملك حمد لمدارس المستقبل
KING HAMAD'S SCHOOL'S OF FUTURE PROJECT



مَشْرِعُ مَدِينَةِ الْمَلِكِ حَمَادِ بْنِ عَاصِمٍ وَابْنِ كَعْبٍ

KING HAMAD'S

SCHOOLS OF THE
FUTURE PROJECT



مَنْ رُوِيَ عَنَّا فِي حَدِيثٍ غَدِرَ عَنَّا مَثَقَاتِ



**KING HAMAD'S SCHOOLS OF
THE FUTURE PROJECT**





مَنْ رَوَعَ مَدْرَسَةً وَكَانَ مَدْرَسَتُهُ أَسْفَلَ

His Majesty
King Hamad's
Letter of Praise



مَدْرُوعٌ مَدْرُوعٌ مَدْرُوعٌ مَدْرُوعٌ مَدْرُوعٌ

Date: 5 October 2003

H.E. Dr. Majid bin Ali Al Noaimi

Minister of Education

Kingdom of Bahrain

Dear Dr. Al Noaimi,

We have looked upon this new educational project, the Future Schools Project, which you presented, and which bears our name, with satisfaction. This project undoubtedly is within the realm of the new complete and compressive development movement which we desire for our country and for future generations. This movement represents a way to coincide with the education-



مَنْ دَخَلَ مَدْرَسَةً وَلَمْ يَدْخُلْ مَدْرَسَةَ الْإِسْلَامِ

al and scientific demands of technical development in modern educational curricula which is the requirement for a knowledge-based economy. Just as Bahrain entered the era of progress with the Hidaiya Al Khalifia School Project, the Future Schools Project also will be a symbol for its entry into the future with all of its developments, which is, needless to say, an important turning point in history.

We would like to express our appreciation and support for this ambitious project, and would also like to convey our gratitude to all school principals, and all academic staff affiliated with this project for their endeavors in responding to the demands of this project. This enthusiasm has assured us that we are on the right track, and that we will be able to comply with the demands of this project due to our educational development staff, their ability, and constructive and dedicated efforts.



مَنْ دَرَسَ عِلْمًا فَلَهُ عِلْمٌ وَحُكْمٌ وَتَقْوَى

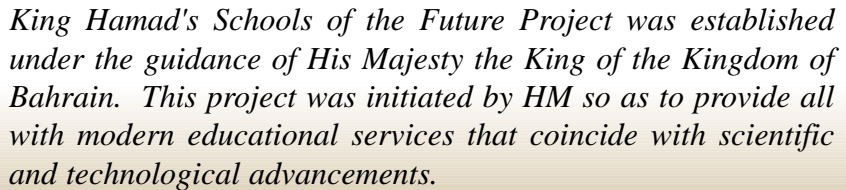
Thus, we would like to applaud you and all Ministry staff on this positive course and would like to reiterate our endorsement and support of this project, and to all efforts for the elevation of education in our dear Kingdom.

Sincerely,

Hamad bin Isa Al Khalifa
King of the Kingdom of Bahrain



Electronic Schools and the Future





مَنْ دَرَسَ عِلْمًا فَلَهُ أَجْرٌ عَدِيدٌ

This project is considered a substantial turning point in the field of education. It reassess the traditional learning system that we have been employing for many years, and turns it into an IT based system that prepares future generations to establish an advanced information society and build a knowledge-based economy.

Due to this transformation, many sources of information will be accessed. This will enable students to widen the scope of their knowledge and the process of individual learning, as well as the ability to benefit from the information revolution the world is experiencing. It will also enable teachers to interact with students, as well as oversee and asses them individually. Parents will be able to keep continual contact with their offspring's schools. In addition, traditional textbooks will be turned into e-books accessible with audio and video characteristics on select-ed items.



مَنْ رُوِيَ عَنِ النَّبِيِّ صَلَّى اللَّهُ عَلَيْهِ وَسَلَّمَ فَهُوَ كَالْحَبْلِ الْمَرْبُوعِ

The information revolution, and technological advancements in the world, force us to act fast so as to coincide with these advancements for any who do not take action will be offbeat with the modern world and its achievements. In accordance with these global advancements, teaching methods, languages used, methodologies, and specialties needed will be reassessed.

This step forwards will enable future Bahraini generations to face the challenges of the 21st century whilst armed with the new language of the era that includes the era's workings, respect for time and its investment, and the ability to deal with surrounding difficulties.

Technological renovation in society requires a change in the form of Arab society so that it may face its problems, and culturally grow so as to be able to face continual technological changes. This step can be achieved through exchange of scien-



مَنْ دَرَسَ فَقَدْ طَرَعَ عَلَى الْمَلِكِ عَمْرٍو

tific theories and their applications, and employing them to serve society by making curricula the basis for employing technological tools.

Education plays an imperative role by allowing more flexibility to educational systems and reassuring individual scientific growth so as to elevate the scientific standard and preparing specialized learners that have the ability to comprehend and absorb developments.

Undoubtedly, King Hamad's Schools of the Future Project will facilitate the Kingdom of Bahrain in gaining prominence in the technological world by producing capable future generations and elevating the educational standard within the Kingdom. In addition, I would like to take this opportunity to convey my gratitude, and the gratitude of those affiliated with the Ministry of Education, to His Majesty, Sheikh Hamad bin Isa Al Khalifa the



مَنْ رُوِيَ عَنِ النَّبِيِّ صَلَّى اللَّهُ عَلَيْهِ وَسَلَّمَ لَمْ يَكُنْ رِجَالًا

King of the Kingdom of Bahrain for this esteemed project and for his continual support of the educational process in the Kingdom. I would also like reassure that Minisrty affiliates have receive HM letter of praise and motivation to the Minister of Education, which will assuredly motivate them to exert all efforts to elevate education and the process human development. May we, with the guidance of Allah, all benefit from this project and be able comply with its requirements with honesty and dedication.

Dr. Majid bin Ali Al Noaimi

Minister of Education



مَنْ دُفِعَ عَنَّا وَلَمْ يَكُنْ حُدُودًا لَنَا وَنُسَبِّحُ

A Word of Praise



مَنْ رُوِيَ عَنِ النَّبِيِّ صَلَّى اللَّهُ عَلَيْهِ وَسَلَّمَ لَمْ يَكُنْ شَرًّا مِنْ كَلْبٍ

H.Exc. Dr Majid Ali Al Noaimi

Minister of Education

Kingdom of Bahrain

Your Excellency,

Let me first express to you my sincere congratulation for the election of the Kingdom of Bahrain as a member of the UNESCO Executive Board. The extremely high score you have obtained demonstrates the esteem that the UNESCO member States have for your country.



مَنْ دَرَسَ عِلْمًا فَلَهُ أَجْرٌ عَدِيدٌ وَاسْتَفِيدَ

I wish also to seize this opportunity to assure you of our support to the new initiatives of generalizing e-learning in schools, which will be known as King Hamad ' s Schools of the future. We have carefully examined this proposal and we consider it a very important project that is full of innovations and forward-looking ideas. We believe that if it is implemented in the way it should, it will provide an excellent model that many countries would like to follow.

This initiative falls within the framework of the " New vision for Bahrain" that was launched by your ministry an approved by the council of Ministers. In order ton assist you in implementing this important project, I have requested my colleagues Mr. Miloudi to undertake a mission to Bahrain at the time of your convenience. Mr. Miloudi is a leading expert in e-learning and his contribution will be valuable in developing a national capacity to produce courseware for your schools.



مَشْرِوعُ مَدَارِجِ الْمَلِكِ حَمَادٍ السَّنْبَلِ

The work on the other elements of the vision will be concluded in a few months. The task force that chair has advanced a long way in the preparation of a draft. Here again, I wish to assure you of our unwavering support in the finalization and implementation of this ambitious plan, the first part of which will be the completion of the King Hamad Schools project.

Please accept, Your Excellency, the assurances of my highest consideration.

M. El Tayeb

Director

Science Analysis & Policies Division

Science Sector



مَشْرِوعُ مَدَارٍ مَلَكٍ مُحَمَّدٍ لِمَا رَسَدَ لِمُسْتَقْبَلِ

King Hamad's Schools of the Future Project



مَنْ رَوَى عَنْهُ حَدَّثَنَا اللَّهُ وَكَرَّمَ وَجْهَهُ





مَنْ دَرَسَ عِلْمًا فَلَهُ عِزٌّ وَلَهُ رِزْقٌ وَهُوَ مُسْتَقْبَلٌ

A Vision for the Future

The Ministry of Education in the Kingdom of Bahrain is endeavoring to employ ICT Technology in the educational process. This move in the field of education will be established after a thorough study has been undertaken that aims to empower future generations with the basic skills necessary to transform the Kingdom into a knowledge-based economy.

Strategic Outlook of the Project

- * Continuing economical and social development.*
- * Investment in knowledge - technical competition.*
- * Developing a knowledge society.*
- * Educational system based on employing educational information and communication technology.*



مَنْ رُوِيَ عَنِ النَّبِيِّ صَلَّى اللَّهُ عَلَيْهِ وَسَلَّمَ لَمْ يَكُنْ كَافِرًا

The Goals of the Project

- * Developing the educational system in the Kingdom and elevating its products.*
 - * Accelerating the pace of human development.*
 - * Establishing an Information Society.*
 - * Building a Knowledge-Based Economy.*
- (Which will ultimately lead to Achieving Economic Development and Societal Elevation)*

Towards an e-Learning Environment

Program Execution

- * Starting with 11 schools spread over the 5 governates.*
- * Providing schools with the necessary equipment, projection screens, and linking them via a network.*
- * Cooperating with Batelco to develop a network so as to link the schools with the educational portal.*



مَشْرِوعُ مَدَرَّةٍ لِلرَّحْمَةِ الرَّحِيمَةِ

- * Establish a centralized educational portal to provide e-Learning services.*
- * Transforming textbooks into interactive e-books.*
- * Systematically developing textbooks and edifying e-learning contents.*
- * Training teachers to use e-learning systems.*

The Schools in the First Phase of the Project

Boys Schools:

- * Sheikh Khalifa Technological Institute*
- * Al Hidaiya Al Khalifia Secondary School*
- * Ahmed Al Omran Secondary School*
- * East Rifa Secondary School*
- * Hamad Town Intermediate Secondary School*

Girls Schools:

- * Al Istiqlal Secondary Commercial School*



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مَنْ دَرَسَ عِلْمًا فَلَهُ عِزٌّ وَلَهُ رِزْقٌ وَسُكْرٌ

- * *Al Hoorra Secondary Commercial School*
- * *Sitra Secondary School*
- * *West Rifa Secondary School*
- * *Isa Town Secondary Commercial School*

Benefiting from the First Phase of the Project

- * *11,000 students*
- * *1,000 Administrative and Academic Staff*

A Glimpse of the Project

- * *It is a fundamental turning point from the traditional teaching-learning process to a future process based on technological employment.*
- * *It provides a learning environment for the students,*



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teachers, administrative staff, and society which allows interaction at any given point.

** It is an ideal solution to the demands of e-learning which covers a large number of users at once.*

** It is an educational model which contains teaching and learning tools, as well as tools of assessment.*

** It completely changes the limited resources of the traditional class environment to an open interactive motivated environment which improves the learning process, and helps benefit from various information resources:*

** Allows every student to learn according to their ability, at the same time taking into consideration the different learning abilities of the students.*

** Allows teachers to interact with students, and continually assess them individually.*

** It helps students to benefit various positive skills and values illustrated by:*

** Embodying cooperative learning*



مَنْ دَرَسَ عِلْمًا وَفَلَاحَ عَمَلٍ وَفَلَاحَ عَمَلٍ وَفَلَاحَ عَمَلٍ وَفَلَاحَ عَمَلٍ

- * Developing assessment and building skills.*
- * Developing artistic thinking*
- * Reinforcing criticism and assessment skills*
- * Reinforcing conversation skills*
- * Developing students personality and enabling them to generate knowledge, and not just be a recipient of it. It also enables students to be active members of an information society based on economic knowledge.*





مَنْ دَرَسَ عِلْمًا فَلَهُ عِلْمٌ وَفِيهِ رِزْقٌ

Project Characteristics

The Project entails a complete educational organization that includes an educational portal that allows students, teachers, administrative staff, and parents to each access it according to their needs and restriction level.

1. The School Administration

Provides the school administration with a complete system that contains information about the following:

- * Staff*
- * Teachers*
- * Students*
- * Parents*
- * Educational Subjects*



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- * *Schedules*
- * *Administrative Systems*

2. The Teacher

Provides teachers with a program where any given subject, after its transformation into an e-book, can be taught at a click of a button, and where teachers can convey any piece of knowledge they see fit via this program.

It also enables teachers to give live lectures to all schools within the network, and will also enable teachers access to educational sites so that they can obtain the most benefit.

3. The Student

The educational organization allows students to:

- * *Interact with other students and teachers.*



مَنْ دَرَسَ عِلْمًا وَلَمْ يَكُنْ لَهُ عَمَلٌ فَهُوَ كَالْشَاظِرِ الْمُرِيدِ

- * *Ask questions.*
- * *Give opinions.*
- * *Exchange opinions, information, and ponderings with others in their school, other schools, and schools all over the world.*
- * *Individual learning.*

4. The Parent

The Parent interacts with the organization to access:

- * *Offspring's academic performance.*
- * *Behavior.*
- * *Attendance.*





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** Aids them to oversee their offspring and keep the School-Home tie active.*

5. Curricula

This organization enables curricula specialists to prepare electronic education material, and keep in contact with students and instructors.

Conclusion

The project ties schools together, as well as with the Ministry, and also enables educators in recording selected courses and sending them to all schools. It also allows a larger number of students in the Kingdom to benefit from the transmitted studies.



مَنْ رَوَعَ مَدْلَهُ وَلَمْ يَجِدْ مَدْلَهُ لَمْ يَسْقِ





مَنْ دَرَسَ عِلْمًا وَتَلَّاهُ لَمْ يَمُتْ وَلَمْ يَلْزَمْهُ الْمَوْتُ

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