“Made in Palestine 2010” program and competition

Introduction:

Made in Palestine “MIP” is one of the annual programs of Al Nayzak for supportive Education and Scientific Innovation. This pioneering program aims to link scientific university research and professional research on the one hand and business and industry on the other, in an effort to provide solutions to the technological, scientific and industrial problems faced by local society. The program’s essence is to provide Palestinian innovators inside and outside universities with the feasible opportunities and possibilities to achieve their hopes and aspirations, which in turn could lead to results of practical value in developing new products or solving technical problems using creative methods and mechanisms.

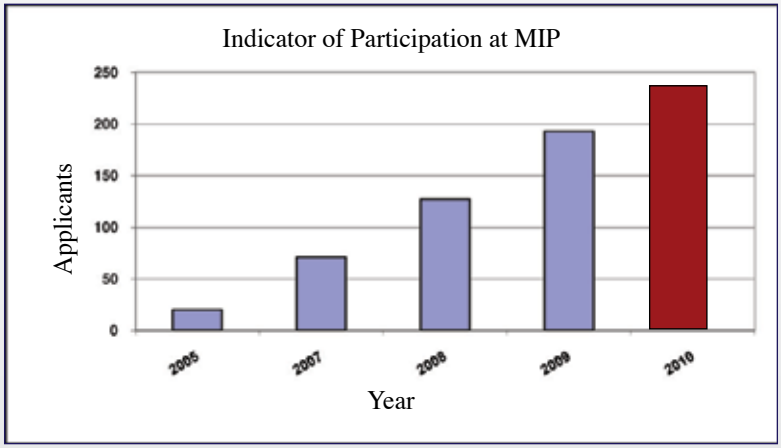
About “Al Nayzak” for Supportive Education and Scientific Innovation:

Al Nayzak is a non-profit non-partisan Palestinian Arab organization specialized in education, counseling, research and production in various fields of science. Al Nayzak adopts unique and innovative methods in its journey towards enhancing excellence and scientific and technological innovation and production in Palestine. The organization works to plant the thirst for knowledge and its pleasure in the learner so that s/he is a partner and not only a receiver. In addition, the organization’s programs work on developing cognitive skills in the individual so that the methodology of scientific thinking becomes a habit that he practices in his daily life. Al Nayzak is made up of a team of specialists with unique and rich skills and experiences in various scientific fields, including applied sciences, different types of engineering, specialists in social work and psychological and educational counseling as well as academic researchers.

Al Nayzak has four branches in Palestine covering Jerusalem, Ramallah, Nablus and Gaza.

Building a Culture of Excellence and Innovation in Palestine:

Al Nayzak was established in 2005 and the organization's achievements with its partners (Diakonia organization – Sweden, Naseej program and the Palestine Investment Fund) bore fruition in 2009 through winning three prizes in the "M.I.A. - Made in the Arab World" competition organized by the Arab Scientific and Technology Foundation (ASTF) of the United Arab Emirates, to whom Al Nayzak is the Palestinian tributary taking part in the competition. The following graph shows the growth of interest in the program of supporting and qualifying scientific and industrial innovation through indicating the number of applicants to this program.



"MIP 2010" Objectives:

- Developing a program to connect scientific innovation to industry and participate in closing the gap between them, by directing scientific research inside and outside Palestinian universities towards producing industrial or programmatic models.
- Building the participants' entrepreneurship skills through holding interactive training programs.
- Presenting ideas for unique and innovative technological projects to researchers and investors in Palestine and the Arab world.
- Establishing a communication link between scientific innovators in Palestine and their counterparts in the Arab world.

- Raising the awareness of researchers and innovators of the economic value of their intellectual properties and patents and of protecting them.
- Building confidence in the ability of Palestinian and Arab technology experts to formulate solutions and deal with national technological challenges.

Participants of Made in Palestine "MIP 2010" Program Received:

- Unique training in honing their personal and technological skills as well as business administration.
- Basic funding to implement the first model of application.
- Shedding light on the participating projects and presenting them to the business sector.

Training in the Made in Palestine "MIP 2010" Competition:

The participants in the Made in Palestine "MIP 2010" program and competition receive advanced training starting from life skills and fundamentals of logical, critical and innovative thinking, in addition to attention to the subject of writing business plans and preparing feasibility studies which helps them to compete with competitive projects in the local market and, in some cases, in the international market.

The trainers of this competition are chosen with extreme care, for our aim is for the performance of these trainers to reflect on the participants' work and crown their outputs with knowledge gained through which they can develop their projects technically and marketing-wise according to sound scientific bases. In addition, the management of the competition took care to have high quality technical training this year through inviting a number of specialized facilitators in order to give consulting assistance to each project.

Winners of the Made in Palestine "MIP 2010" Program Receive:

- High level honors and monetary prizes presented by the competition's management in Palestine.
- The chance to participate in the Made in the Arab World competition and represent Palestine in it.
- An opportunity for work and internship in one of the Palestinian factories.
- Presenting their ideas to international investors with the aim of converting them to economic projects.

About Our Partners in 2010:

The Arab Science and Technology Foundation (ASTF)

The Arab Science and Technology Foundation (ASTF) is an independent regional and international, non-profit, non-governmental organization, formed by scientists and researchers from inside and outside the Arab world in addition to representatives of Arab and international scientific centers.

Diakonia, Sweden

Diakonia is an international network of individuals and organizations working together to provide a good living to the greatest number of people, with the aim of achieving sustainable development through raising standards of living and achieving equality and democracy.

The Palestine Investment Fund

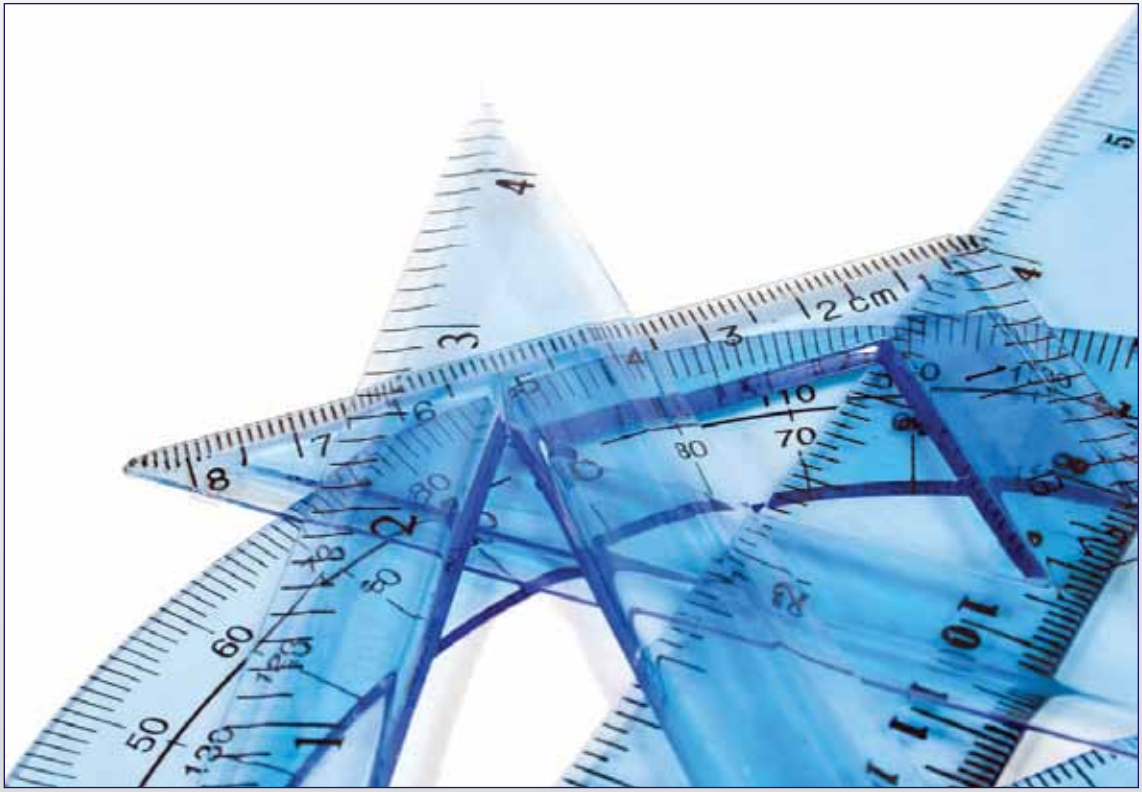
An independent Palestinian company whose profits go towards the benefit of the Palestinian people, and which works in the field of developing the national economy through investing in strategic and vital sectors and in partnership with the private sector.

Palestinian Federation of Industries (PFI)

Palestinian Federation of Industries (PFI) is the national institute that represents Palestinian industry sectors through their specialized unions.

Participants in Made in Palestine “MIP 2010”

Engineering Section



1. Ibrahim Al Hajj, Mohammed and Dima Shawahneh - Nablus

R.M.B. – Rashid Medical Bed

A medical bed which helps the ill and elderly to perform their biological need through an opening in the bed which is automatically opened and closed. The opening is connected to a system that works to wash and dry the bed's user and remove the waste through putting it in special containers which prevent the spread of smell. The bed is controlled through a control mechanism used to move the back and foot sections of the bed, in addition to completing the process of excreting waste and cleaning at the convenience of the user.

2. Munjid Abu El Feelat, Raafat Al Ju'beh, Mahmoud Rajabi - Hebron

The eye mouse

This technology is an instrument designed for those with special needs, which is connected around the eye and enables them to control the pointer of the computer mouse through the eye's movement. This technology is based on controlling the mouse pointer in accordance with the direction of the eye's movement, which is done by picking up the electronic signals resulting from the movement of the eye's muscles, feeding these signals to a filter to remove extraneous signals then directing the mouse to move in the required direction.

3. Haitham Tahboub, Nagham Al Shehabi, Wardeh Wahdan - Jerusalem

Smart Electric Meter "SEM"

The project is a service presented to the Electricity Authority, through which the reading of the electric meter is done automatically without the need for a human reader. This is done by modifying the electric meters to add an electronic chip which transmits SMS messages to the authority, when requested to do so, containing the current reading of the meter, its number and the name of the user. When the reading reaches the electricity authority, the bill is calculated by a special program then sent to the mobile phone of the user through SMS.

4. Lu'ai Shaheen, Abed Abu Zainah – Hebron

School Bus Alarm SBA

This is an instrument which works to alert school students shortly before the bus arrives in order to help in synchronizing the movement of the students and the arrival of the bus. The project consists of two parts: the first is the transmission apparatus in the bus and the second is a receiver in the student's house. The transmitter works on sending a signal to activate the alarm in the student's house to alert him to his nearing the house.

5. Sami El Salameen, Bilal Al Tameemi, Oussama Dweik– Hebron

Mobile Emergency Request System

The project aims to solve the problems of the traditional emergency request system through the development of an integrated system based on using modern technologies including the global positioning system (GPS).

This project is unique in solving the problems of the deaf and mute in requesting help and the problem of differing languages between the requestor of help and the clerk receiving the call.

6. Ibrahim Da'abes - Nablus

Comfort

This project aims to make an amendment and addition to the traditional bathtub through placing a small electronic board on it to electronically control the water, temperature, brush and shampoo through small keys, as well as placing a box for the equipment and motors which will fulfill the request in the bathtub.

This project helps partially paralyzed patients and people with special needs to depend more on themselves, which also helps in improving their psychological state and development in daily life.

7. Mohammed Salamah, Rami Abu Sham'a and Mohammed Sfareeni-Tulkarem

Ball Robot

A ball-shaped robot remotely controlled through three mechanisms: the internet, the telephone and a remote control arm. This robot performs several functions such that you can move it in several directions and use it to speak to people around it and see them.

8. Bara'a Al Qawasmeh, Khaled Dofash and Rashad Abu Haikal- Hebron

Dangerous Materials Transporter

This robot works wirelessly to take pictures from a distance, in addition to its ability to hold dangerous materials in factories that work with chemicals difficult for humans to deal with. This robot can be programmed to perform routine movements and thus can be used in factories as a replacement for the human hand, given that this performance is flexible and the programming can be changed to suit any factory.

9. Sa’ad el Deen Hasan Dababeesh – Gaza

The Lunar Clock

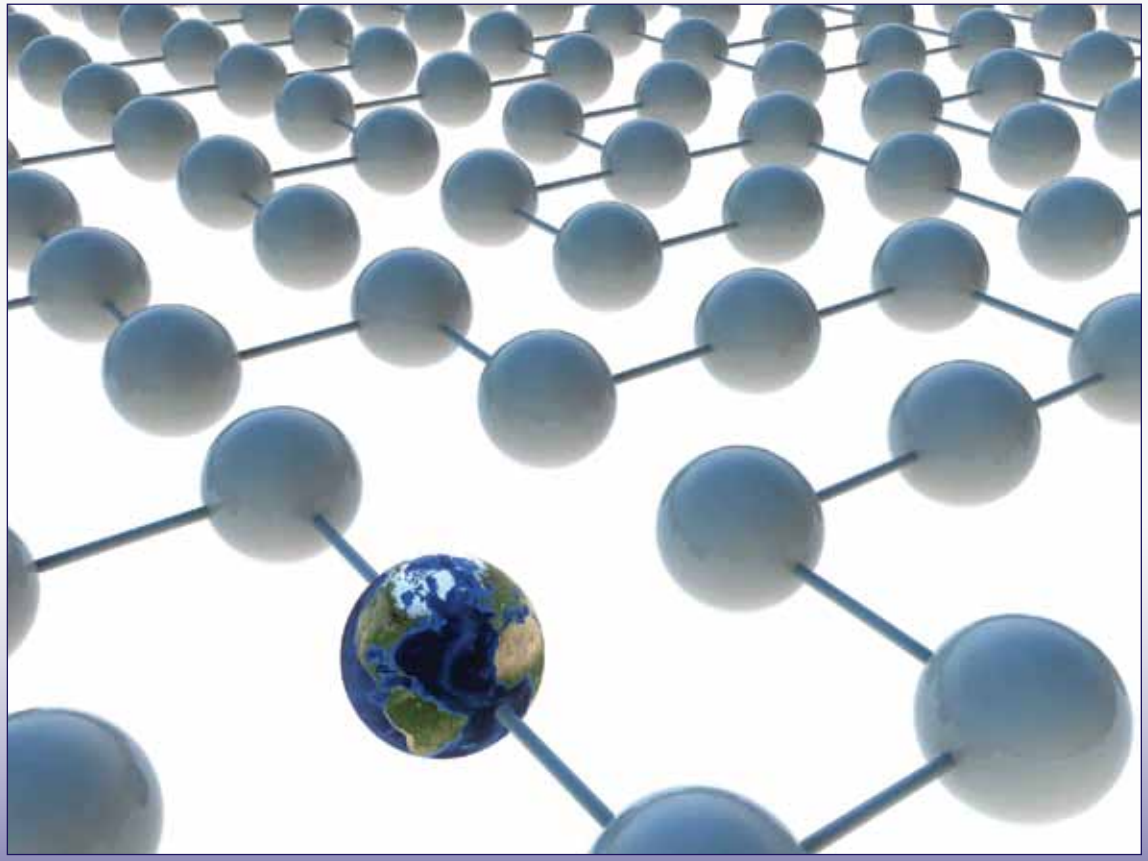
The project is based on the idea of developing a lunar clock to know the times of eclipse as well as sunrise and sunset. This clock specifies the position and time of the moon accurately and calculates the lunar period and the months according to the Hijri calendar with extreme speed and accuracy.

10. Ayman Mohammed Hassan and Ali Hassan – Gaza

Controlling the Water Distribution System Data

The project is a system that is beneficial to municipalities and water pumping stations. It works to develop a mechanism of distributing water in a specific area, where the program specifies the appropriate amounts of water and distributes them fairly and securely among the individuals of the targeted area. This program works to reduce the cost of water distribution, provide specialists with accurate information about the work of water wells, help them in formulating the necessary plans to manage and organize the process of extracting and distributing water, and save important information and data about the effectiveness of the stations’ work.

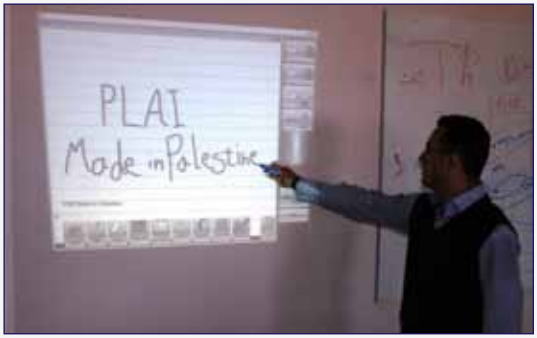
Information Technology (IT) Section



Information Technology

11. Khaled Mustafa, Ahmad El Rimhi and Othman Kharroubi –Ramallah

PLAI: Interactive Learning Platform



This is a learning platform which makes the learning process more effective and fun. The platform consists of two main parts: the first is the material part, comprising a special camera to capture ultraviolet radiation coming from the special pen which transmits it, in addition to the display station and computer, and the second part is the computer application and material part which provides a touch pad. The project's additions to the interactive learning methods available in the market are reduced cost, content independence of any particular curriculum, its suitability for all age groups and its support for the Arabic language, in addition to its easy transport from one place to another.

12. Abdulfattah Ahmad Mustafa El Najjar – Hebron

Numerical Zoo

The idea is that the visitor to the imaginary zoo can see how the animals see him, because each animal has a way of vision completely different from that of humans and other animals. Using the numerical zoo, each person can see how animals view things. The system can transmit the picture seen by the animal to mobile phones or display screens during people's visits to zoos.

13. Nidal Imad Hassan – Nablus

Candle of Hope

This program was designed to serve those with special needs who suffer from problems of hearing and speech, for the program teaches them how to pronounce names of shapes and bodies and thus provides a teacher and specialist for each child in place of a human specialist. This program was designed to teach the child in an uncomplicated, child-like, humorous and simple manner so as to fit the group of children who will deal with it.

14. Abdallah Ramadan – Nablus

Encryption Systems Converter (Sindbad)

The project is based on converting encryption systems using a single key for systems with two keys: private and public, thus making use of the speed of encryption systems using one key and yet using the factor of security and accuracy of encryption by using two keys.

This project protects a company's information in the local market and works with a unique, effective mechanism with a large competitive characteristic in terms of price and performance, and at a high speed in comparison to similar systems.

15. Haneen Abu Jeish, Rana Dweikat – Nablus

Articles Trap

This project is a system which classifies articles automatically from several web sites requested by the user. The program was designed for journalists and public relations professionals especially in ministries and universities such that it helps them to gather and classify published new and articles about the topic of interest.

16. Ashraf Kamal Qasas and Akram Kamal Qasas – Gaza

Access Generator to Data Layer

This program is used to build applications in a quick and easy manner, and targets database developers and those working in software development.

The project is unique in the ease of its use and that it does not need programming or the presence of a software development specialist. It also saves the state of the project as it is, so that you can continue working later after saving, and is multi-lingual.

17. Mohammed Yousef, Ahmad Fares and Nidal Shalayel – Gaza

Soft Modem

This project is a modern and simple technology based on transporting information through sound waves, thus solving the problem of moving data and files between computers especially when the electric current goes out.

The technology does not use any additional device other than the computer and land line or mobile telephone; that is, it is easy to use, uncomplicated and low in cost.

Free Space Optical Data Link

Ahmad Barbar, Mohammed Dughra and Mohammed El Jamal-Jerusalem

Environment and Health Section

18. Eng. Abdullatif Khaled- Nablus

Advanced Floater Model for Domestic Water Tanks

This is an advanced model for floaters inside domestic water tanks, designed to limit the loss of water through previously used meters or floaters. It is directly connected to the water tank just like a normal floater, yet designed with a special technology to avoid the previous problem of allowing slow water coming from the municipality's pipe to the tank through the meter to pass without the meter being able to calculate it.

This model is unique in not needing a source of energy to activate it and it works to cancel the gap resulting from water flowing at quantities less than the accuracy of currently used water meters, thus saving municipalities and local councils this unpaid deficit.

19. Hana Inaya and Maisa Hanani- Nablus

Natural Medical Soap

This project is considered among the most advanced ones in the manufacture of medical, natural liquid soap due to its not containing any form of chemicals, since it is manufactured from olive oil alone, with new kinds also produced using nigella sativa, rose oil and avocado.

20. Doa'a Nasr, Bisan Al Malki, Sa'adiyyah Sawalhi and Lajeen Mahmoud- Nablus

Love Essences from the Palestinian Environment

Oil-based perfumes and air fresheners extracted from plants selected from the Palestinian environment such as bitter almond oil, crayo, cinnamon and jasmine. This project is special because of the increasing demand for natural perfumes that reduce the possibility of having any kind of allergies.

21. Khaled Shahateet- Hebron

Production of Palestinian Perfumed Oils

This project is based on producing natural perfumed oils from natural plants and herbs growing in Palestine such as mint, thyme, chamomile and others. The product is described as natural menthol oil which is medically used as a mosquito repellent, sterilizer and antiseptic and is used in many cosmetic products, cleansers and medical drugs. This product supports local production, reduces the dependence on importing such secondary products and provides many job opportunities.

22. Adnan Jbareen-Ramallah

Super Amazing Detergent

An undisputed chemical phenomenon is that petroleum "non polar" oils do not mix with water, thus we use chemical components to achieve the desired result. These components are termed surface active components and the materials are divided into two main types: normal active materials and extended active materials. If we wanted to mix petrol and water using normal active materials, we need at least a 15% solution to achieve this result, but in case of using extended active materials, then we need no more than a maximum of 5% of the volume of the solution, from which we can form an extract that we can use in improving the production of petrol, the treatment of groundwater and cleaning.

23. Mohammed Hussein Abu Matar – Gaza

Home Agriculture

The project is an environmentally friendly apparatus which helps the consumer to plant flowers and plants even in places lacking suitable agricultural conditions. The apparatus works to provide important criteria for plant growth such as light and water, without the trouble of having to follow it up, so that you can just enjoy watching them grow and flourish.

24. Ayat Atallah and Haifa Mubarka- Nablus

Paper and Polyethylene Insulation Boards (PPIB)

The product is insulation boards (PPIB) made of recycled paper and low-thickness polyethylene. The suggested form for this kind of insulator is multilayered, reinforced paper and plastic boards (LDPE) which can have different dimensions and colors according to use. This product is used in external or internal insulation in buildings. The most important differentiators of these boards are their strong mechanical characteristics, good thermal insulation and resistance to humidity, in addition to the possibility of their use for purposes of sound insulation and their bearing sound vibrations.

Energy Section

25. Dr. Mohammed Rabah Salem and Eng. Nash'at Mohammed Abdul Aziz-Bethlehem

The Green Path "Air Turbine Operated by the Movement of Vehicles"

The air turbine is placed in main streets to generate electricity by the wind. The vertical-axis turbine is made up of fans fixed to a main axis connected to an electric generator. When the fans move by the wind generated through the fast movement of vehicles, the axis turns, moving the rotating part of the electric generator and leading to the generation of electricity. This energy may be saved in a battery or used directly.

26. Mahmoud Mujahid- Hebron

Green Technology "Mariam-cedes"

An electric car designed and manufactured in Palestine and that works in a new and unique way, accelerating to a maximum speed of 272 km/hour through a three-tiered electric motor. This vehicle is special in having electric brakes as well as the traditional brakes used in most cars, which makes stopping the car more effective. It also uses the phenomenon of inertia to store electric energy.

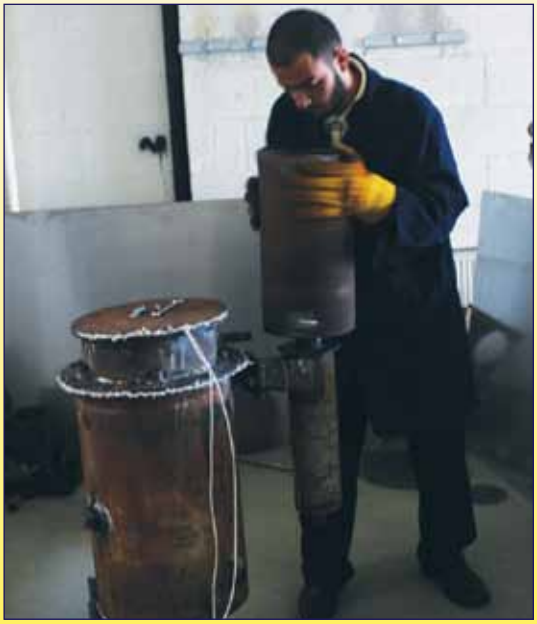
27. Abed Abbas El Fahham - Jerusalem

Solar Energy Project

This is a multi-use apparatus since it works to heat water through storing it at a temperature higher than that of solar heaters; in addition, it works to supply the house with electricity taken from solar cells, which is sufficient to light a house using energy-efficient lamps, and on heating the air in the house during the winter. The apparatus is differentiated in its speed of heating and its saving time, effort, money and even space.

28. Ashraf Mreish - Nablus

Converting Hard Petrol to Gaseous Petrol



This is a special device able to convert plant extracts of a hard nature and that are not economically viable to gaseous, flammable products which can be useful in place of cooking gas, and to operate electric generators which work on internal combustion in addition to a number of different chemical industries.

Among the advantages of this project is its consideration as one of the renewable energy sources, which are considered environmentally friendly, as well as it being free of poisonous waste and undesired faults, in addition to its high effectiveness when flammable.

29. Mohammed Salah and Mais Al Aloul- Nablus

Using Solar Energy for Cooling "The Solar Refrigerator"

A refrigerator working on solar instead of electric energy and which aims to use clean, renewable and free energy instead of using non-renewable, high-cost energy such as the electric one.

The principle on which the refrigerator works is similar to sweating in human beings, for when a human sweats, the sweat absorbs body heat in order to evaporate so that the person's temperature drops and he feels cold.

30. Samir Khalil Ismail Mattar – Gaza

Water Treatment Through Solar Energy

This is a simple machine to assemble and it works to activate solar energy in treating water waste coming out of the treatment plant. It treats this water waste or polluted water in order to make it possible to use it in areas of life.

It gathers the solar energy that falls on it in one, mathematically calculated point, and this high-energy point can be used to treat water and kill bacteria.

Other projects:

31. Mansour Abu Ni'meh, Ahmad Abu Mhadi and Abdul Hamid Khdeir – Gaza

Palestinian Prepayment Meters

32. Ahmad El Zenati, Seif El Deen Srour, Salaheddin Al Fayyoumi, Naji El Faq'awi and Noureddine Miqdad – Gaza

Using Sea Wave Energy to Pump Water

33. Sa'ada Daoud El Zir, Shurouq El Barghouthi and Faten Abdul Haqq-Ramallah

Electronic Shopping Through the Internet

34. Muhannad Saleh, Naseem El Froukh- Hebron

Traffic Light Reader Project

35. Nuha Zgheir – Hebron

Electronic Elections

36. Ahmad Barbar, Mohammed Dughra and Mohammed El Jamal-Jerusalem

Free Space Optical Data Link

37. Mohammed Sa'id Salah – Gaza

Electronic Attendance Recording in Institutions

38. Mohammed Aqel and Halim Abdul Aziz – Gaza

Prayer Times

39. Haitham El Hafni and Abdul Rahman Dalloul – Gaza

Electronic Waiting System

40. Sharif Ramadan Na'im – Gaza

Electronic Shopping Service

41. Fahad Sami Abdelkader Alsmnh - Gaza

Deaf Radio

Jury's Members in MIP 2010

The juries in the Made in Palestine "MIP" Competition are divided into six, two of them to judge the projects in Gaza and four juries to judge the projects of the West Bank and Jerusalem. The juries are made up of businessmen and academics covering all engineering , applied sciences environmental and IT specializations.

Dr. Amer Mahmoud El Hmouz An-Najah National University	Holds a Ph.D. from UMIST in the U.K. Currently works as contributing professor in the Department of Chemical Engineering. Worked in numerous scientific research subjects as well as a consultant for many organizations in the area of environment. Has many areas of interest including the environmental impact of chemical industries, safety engineering, manufacturing chemical products and solid and dangerous waste management.	
Dr. Nabil Hasasneh Hebron University	Assistant Professor and Head of Computer Science Department at Hebron University. Holds a Ph.D. in Computer Engineering from University of Hull, U.K. Presented more than 15 scientific papers in international magazines and conferences in the field of computer science and information technology.	
Dr. Khalid Khanfar Arab American University	Holds a Ph.D. in Computer Science, currently holds the post of Head of the Computer Science Department at the Arab American University – Jenin. Worked for many years in the field of information technology in many international companies and universities and has numerous publications in the field of information technology.	

Dr. Samer Yaseen El Saadi Palestine Technical University - Kadoorie	Worked in the Municipality of Jenin as an electrical engineer then received a Ph.D. in Electrical Engineering from the Moscow Energy Institute (Technical University) and subsequently worked in Palestine Technical University. Has numerous publications relating to the field of energy.	
Dr. Ishaq Mohammed Sharif Sider Palestine Polytechnic University	Is currently the decision maker and Head of the Committee of the Fourth International Energy Conference in Palestine. Holds a Ph.D. in Mechanical Engineering in cooling and heating. Held a number of management posts in the Palestine Polytechnic University and currently also holds the position of Head of the Committee of the Hebron Branch of the Engineers Association.	
Dr. Safa' Nasreddine Palestinian Ministry of Telecommunications and Alquds University	Holds a Ph.D. in Electronic Engineering from ENSEIRB, Bordeau University in France, 2003. Was involved in many consulting activities in order to improve the quality of education in Palestine generally and Jerusalem specifically. Currently works as a consultant to the Ministry of Communications and Information Technology and also the Dean of the Hind al-Husseini Women's College in Jerusalem.	
Eng. Firas Nabeel Al Khuffash Municipality of Nablus	Holds a B.Sc. in Electronic Engineering from Yarmouk University in 1995. Worked in the field of wireless communications then in the Municipality of Nablus, until the present, in the field of electronic control and maintenance.	

Eng. Aref Al Husseini «Al Nayzak» for Scientific Innovation in Palestine	A physicist and electronics engineer who worked over the last six years to develop programs to supply the educational system in Palestine with skills, expertise and experiences that stimulate logical, critical and creative thought, and interweave them firmly with scientific, productive skills.	
Eng. Wassim Abdullah Freelancer	Holds a Masters in Numerical Electronics and Communications. Worked as an informational and communications consultant for a number of ministers, and currently works as the consultant of the general supervisor of official media and as an engineer for a number of TV and radio stations. Worked in developing several national projects, the most important of which is the strategic informational plan and also for electronic education in Palestine. He is currently the manager of the electronic government project with Estonia.	
Dr. Imad Hamada Birzeit University	An Electronic System Design & Applications Entrepreneur with 15+ years of both industrial and academic experience, twelve years of which were in the Silicon Valley. Held various R&D, engineering and team leading positions in chip design, data communication applications, computer system and SoC (System-on-Chip) companies.	
Eng. Ayman Sbeih Businessman	Considered one of the pioneering Palestinian figures specialized in developing industrial investments projects, in addition to being a businessman who has held several posts including Secretary General of the Palestinian Federation of Industries which represents the industrial segment in the country.	

Dr. Ahmad Nasser	Holds a Ph.D. in Environmental Chemistry and is a researcher and main scientist in the Institute of Environmental Research and Agriculture. Oversees many science programs in Al Nayzak and has many advanced scientific publications and research papers.	
Dr. Ahmad Abu Haneieh Birzeit University	Head of Department of Mechanical Engineering at Birzeit University and an assistant professor in it. Specialized in the field of mechanical vibrations and megatronics. Author of many books and publications in the field of controlling vibrations and fluid power, in addition to being a member of the Palestinian Society of Solar and Sustainable Energy.	
Dr. Allam Mousa An-Najah National University	Contributing professor in the Department of Electrical Engineering, who was the Head of the Department from 2002 – 2009. Currently holds the position of assistant to the Dean of the University for Planning, Development and Quality affairs and is considered one of the esteemed members of the Institute of Electrical and Electronics Engineers (IEEE). Also works as a scientific arbitrator in some international magazines such as IET and IEEE and has many publications in the technology and communications sector.	
Dr. Abdulrahim Abu Safa An-Najah National University	Assistant professor in the Chemical Engineering department and holds the position of Head of Department. Holds a Ph.D. from the Middle East Technical University. Has many scientific publications and has supervised many Masters theses in clean energy engineering and rationalization of consumption.	

Mr. Sam Bahour Applied Information Management (AIM) company	Palestinian business consultant specialized in the area of business development with a special focus on the information technology sector and startup projects/companies.	
Mr. Jameel Sufian Sultan Provider of Innovative Services (PIS)	Researcher interested in the development of institutions, holds a Master›s degree from the University of Detroit in the field of computer and information systems, now works as a consultant in management and information systems, carried out some projects related to quality management and market studies.	
Mrs. Fairuz Said Darwich Birzeit University	Interested in financial markets, holds a Master›s degree from the University of Western Michigan in 2003, worked in various private and governmental institutions, where she served as a main financial analyst in PADICO in addition to her work as an administrator for financial and civil institutions in the Ministry of Finance.	
Mr. Rami Mohammed Hedreb Arab American University	Holds a Master›s degree in the field of Business Administration from An-Najah National University. Worked in several private companies in which he assumed several administrative positions. Has a special scientific interest in what is termed «knowledge engineering».	

Jury for the Gaza Projects

Eng. Abdulmunim Ahmad Chairman of the Board of Directors of the Safe Agriculture Producers Society – Gaza	Holds a Master›s degree in Agricultural Engineering from the University of Bari in Italy.	
Dr. Mohammed Abu Heibeh Islamic University – Gaza	Assistant Professor in the Department of Industrial Engineering, holds a Ph.D. in Mechanical Engineering from the University of Toledo - United States. Former Head of the Department of Industrial Engineering.	
Dr. Mohammed El Hanjouri Islamic University – Gaza	Holds a Ph.D. in Electronics and Communications Engineering from Mansoura University – Egypt, former Director of the Center of Research and Projects in the university. Has a broad research activity, has supervised and discussed many Masters theses and has many published papers in several areas of research.	

Dr. Hatem El Aidi Islamic University – Gaza	Assistant Professor in the Department of Electrical Engineering – Faculty of Engineering. Holds a Ph.D. in Systems and Control from the State University of New Mexico, U.S. and the former President of the Center for Development of University Sources.	
Dr. Faisal Khalafallah Al-Azhar University – Gaza	Holds a Ph.D. in Economics from the University of Istanbul – Turkey. Currently a lecturer in the Department of Economics in the Faculty of Economics and Administrative Sciences.	
Dr. Sana Wafa Tawfiq El Sayegh University College of Applied Sciences – Gaza	Assistant Professor – Coordinator of Technological Education in the Bachelors degree. Holds a Ph.D. in Computer Science from the Graduate Institute of Computer and Informatics – Baghdad – Iraq. Member of the scientific committee to evaluate research papers for the Arab International Conference of Information Technology.	

Dr. Ihab Zaqqout Al-Azhar University – Gaza	Holds a Ph.D. in Artificial Intelligence from the University of Malaysia in Kuala Lumpur. Has a broad research activity and many published papers in several areas of research.	
Dr. Asaad Nimer Abu Jasser Islamic University – Gaza	Holds a Ph.D. in Electrical Power Engineering from the University of Bremen, Germany. Assistant Professor in the Department of Electrical Engineering, Faculty of Engineering. Previously worked as Graduate Program Coordinator at the Faculty of Engineering and served as Head of the Department of Electrical Engineering and Computer Science from 2004 to 2006.	
Dr. Samir Mustafa Abu Mdallaleh Al-Azhar University – Gaza	Holds a Ph.D. in Economics from the University of Sudan for Science and Technology. Presented many economic, political and social working papers in numerous conferences. Published many working papers in scientific journals and is an economic and political analyst for numerous local radio stations and Arab satellite channels.	

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