

Pakistan Foundation for the Advancement of Engineering and Technology



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Pakistan Foundation offering Finite Element Course to the Participants of the Council of Works and Housing Research
Ministry of Science and Technology



Mission

Pakistan Foundation for the Advancement of Engineering and Technology is a non government, non commercial organization, instituted in the private sector with its members both as organizations and individuals from industries, academics, consultants and communities. It is dedicated to address the major issues of national importance through technology procurement and disbursement, entrepreneurship and capacity building among professionals, organizations, peoples, and communities.

Aims and Objectives

- 1.To procure latest know how and disburse the same to fellow professionals..
- 2. Professional uplift to meet the employment requirement in the international world.
- 3. Quality and productivity in our products and services to be able to combat the economic problems.
- 4. Poverty Alleviation at the bottom lines by imparting skills and employment specially overseas.
- 5.To conduct training programs at all levels from highly professional levels such as (ISO-9000), down to vocational skills.
- 6.To hold conferences, seminars all over the world.
- 7. To export professionally skilled resource persons.

Walk to Poor Neighborhoods



Directors

Chairman

Dr. Engr. Javed YunasUppal B.ScEngr. Hons., Ph.D. (London), MICE, Ceng, MASCE

Exective Director

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Managing Director

Asim Javed Uppal M.B.A /London, Certified Lead Auditor (M.I.QA.)

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- Khali Rasheed Uppal B.Sc. Engg.M.Sc. Ph.D.(Birm)C.Eng. FIMechE(Lond).C.B.S.T. M.A.S.H.A.E..(NY) M.A.S.M.E(NY)Manging Director U-Rhavem Consultaning Engineers
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- Mussarat Ullah Khan Afridi M.sc. Chem., Ph.D. (Japan), FIChemE, FPICCement Techonologist H.D Mahmood
- H.D.Mahmood B.Sc. B.Sc. Mech. Engg. M.A.S.M.E (USA), MBA LFIE(Pak)Exec. Director S.S Oil Mills Ltd.
- **Mohd.Saleem KhanSaleem.Khan** B.Sc, Engg M.Sc Engg. (USA)Chief Executive, SaleemConstruction Company

- **Zia –ud-Din Ahmed** M.Sc., MBA, M.I, ComputersChairman Punjab Board of Technical Education.
- **Azam Suhrawardy** B.A, LL.B Member Bar CouncilLegal Advisor, Daily News Paper Khabrain
- Asim Javed Uppal Managing. Director M.B.A U.K Deputy Secretary Legal TQM, ISO 9000 Lead Auditor Quality Systems Administrator Incharge International Business Affairs. Incharge Foreign Policy Affairs1. Managing Director P. F. A. E. &T 2. Overseas Employment Recruiter 3. Vice president Commercial Trading Germany. 4. Regional Manager NewPharm Internatinal Group Chur, Switzerland.

- **Ch.Aftab Ahmed Khan** B.E. (Civil).PE. P.E.C(IIIinois) M.A.W.A(USA)Chief Engineer, Lahore, Development Authority.
- Mr.Akram Mughal Diploma ConstractionChief Exective Mughals Pakistan (Pvt.) Limited
- **Dr. Faisal Javed Uppal** B.Eng (Hons). PhD, M.I.E.E (Control & Intelligence System EngineeringUniversity of Hull U.K
- Col. Engr.Mumtaz Hussain B.Sc. Civil
 Engg. M.Sc. Soil Sciences M.Sc.
 Environmental Engineering M.Ass. GeoScientists Chairman Environmental Media Forum

- **Zia –ud-Din Ahmed** M.Sc., MBA, M.I, ComputersChairman Punjab Board of Technical Education.
- **Azam Suhrawardy** B.A, LL.B Member Bar CouncilLegal Advisor, Daily News Paper Khabrain
- Asim Javed Uppal Managing. Director M.B.A U.K Deputy Secretary Legal TQM, ISO 9000 Lead Auditor Quality Systems Administrator Incharge International Business Affairs. Incharge Foreign Policy Affairs1. Managing Director P. F. A. E. &T 2. Overseas Employment Recruiter 3. Vice president Commercial Trading Germany. 4. Regional Manager NewPharm Internatinal Group Chur, Switzerland.

Projects



Project-043 Poverty Alleviation through Technology and Entrepreneurship

Facilitating people to acquire high tech machinery and know how and working in cell system, making the products at their own premises, while design, material and marketing are provided to them.

The Foundation endeavors, to assist talented workers, artisans, individual households and small workshops so that they can be on their own guarding the quality of their product and enhance capacity of handling larger volumes by introducing high-tech.

This is done by:

- Providing latest and best technical machines and know-how.
- Providing raw material as credit to meet financial needs of producers.
- Providing orders obtained from global market networking.

Training Provided Under This Program

- Product Design Strategies
- Computer Aided Design & Manufacturer
- Reverse Engineering
- Innovation in products
- Quality in Services
- Marketing through Internet
- Controlling Bureaucracies
- Costing and Financing

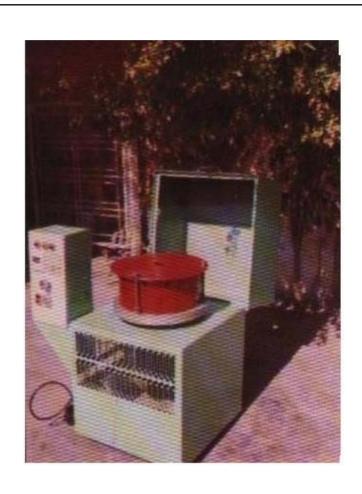
Sources of Funds

- Skill Development Council of Pakistan
- International Federation for World Peace
- Sponsorships from Industries
- Pakistan National Accreditation
 Council

Key Targets

- Income Generation Among Poor
- Introduction to New Technologies and Products
- Building Better World

Powder Metallurgy Casting Machines



Volume of Business US\$ 10,000 per month

Length in Years
 Continuous since 1995

Target Groups

Poor Households and Small Workshops

 Young Graduate Students and Pass Outs

References

Mr Seerat Mehdi

Skills Development Corporation of Pakistan 387-D/3, Gulberg III, Lahore, Pakistan Tel: 0333-422-7410

Justice Raja Afraseyab Khan

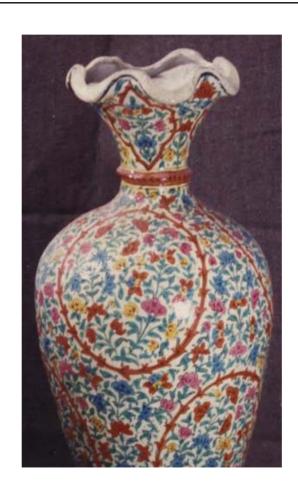
Chief Justice Supreme Court Rtd 478-G/III, Johar Town, Lahore Pakistan

Tel: 5301816

Typical Products



Typical Products



Project-051 Industry University Interaction Program

- This Program consists of sponsoring post graduate level researches on topics related to the pressing issues in the industries, and
- out reach training of the personnel in the industries.

The following industries and departments have been involved in this activity.

- Izhar Group of Industries
- Silver Streak (Pvt) Ltd.
- MAC Advertising (pvt)Ltd.
- Rasheed Builders
- Perfect Aluminum Corporation
- Pak Electron Limited.
- Rural Development Foundation
 Islamabad

Punjab Tourism Development Corporation Cement Research and Development institute

- National Building Research Institute Karachi
- Pakistan Council of Appropriate Technology Karachi
- Lahore Development Authority
- Multan Development Authority

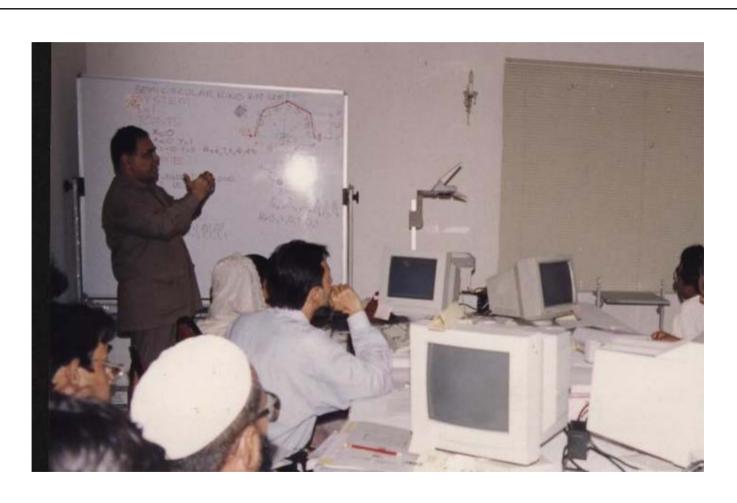
Ammar Textiles Pearl Continental

- Pakistan Atomic Energy Commission
- Naval Headquarters Islamabad
- Headquarters NLC
- Water and power Development Authority



Delegation from the Michigan State University on Joint Venture Agreement with the PFAET

Setting Up the Target Researches



Sources of Funds

Foreign Universities
Ministry of Science and Technology
Sponsorships from Industries

Key Targets

- Introduction to New Technologies and Products
- University Research Toward Industrial Application

Volume of Business US\$ 15,000 per month

- Length in Years
- Continuous since 1992
- Target Groups
- Young Graduate Students
- Individual Industries

References

- Mr Khalid Mahmood
- Director
- Pakistan National Accreditation Council
- Ministry of Science and Technology
- H-2, St-07, Fb/2
- Islamabad, Pakistan
- Tel: 051-9209507
- Prof Dr Khalid Aftab
- Vice Chacellor
- Government College University
- Lower Mall, Lahore, Pakistan
- o Tel: 0300-846-4289

ISO 9000 Certificate Awards



Project-041 **Professional Training Courses**

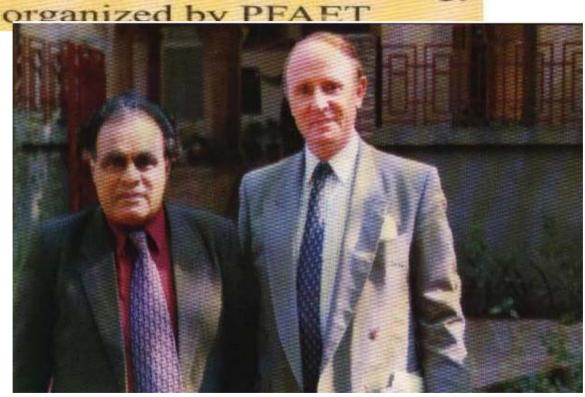
- o Topics covered:
- Low Cost Housing
- Environmental Protection
- Mud Architecture
- Energy Saving
- Quality Management Systems

PFAET has undergone joint venture agreements for education ,training ,consultancy and research and development with top and we know universities such as:

- Ø Indiana University-Purdue University, USA Western University and Pennsylvania
- State University USA.
- Ø Jiangsu Research Institute of Building science of china, largest institute dealing in
- modernization of construction technology and methods in china ,has special I
- o inkage whose know how and services are available.
- Ø Mr. Ather A Khan ,Consultant Specialist, Environmental Protection Agency ,
- California ,USA is available to provide environmental expertise know how and
- o information.

- Ø Appropriate Rural Technology Institute of Flencbury, Germany Is a special institute
 - establishment to import technologies for the development of the rural masses in
 - the developing countries.
 - Ø Prof. R. H. Lyon of Massachusetts institute of technology Harvard USA, a world
- authority in machine vibration is available to provide back in the field
- Ø Pennsylvania State University of the USA has entered into joint venture
- agreement for training ,implementation and registration services for the ISO 9000
- International system of total Quality Management.

British High
Commissioner,
Mr. Christopher, at
the opening ceremony
of the Workshop on
Environmental Technology



Key TargetsProfessional Uplift

- Sources of Funds
- Foreign Universities
- Ministry of Science and Technology
- Sponsorships from Industries
- Pakistan National Accreditation
 Council

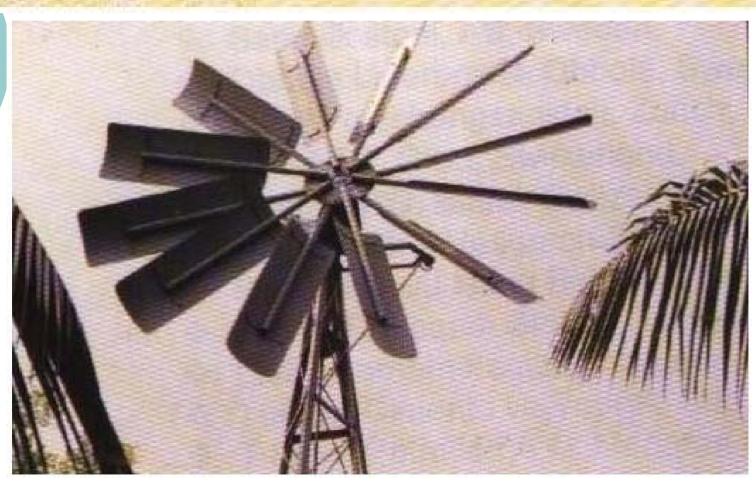
Volume m US\$ Annually US\$ 6,000 per month Length in Years Continuous since 1996

- Target Groups
- Mid Career Professionals
- Individual Industries

References

- Ms Zara Ashraf
- Director Quality Management and Chief Architect
- Communication and Works Department
- Government of the Punjab
- C&W Secretariat, Lahore, Pakisatn
- o Tel: 0300-844-2827
- Prof Dr Khalid Aftab
- Vice Chacellor
- Government College University
- Lower Mall, Lahore, Pakistan
- o Tel: 0300-846-4289

Wind pump developed to meet water shortage problem in rural desert areas



Project-042 Youth Promotion Program

- Training needs identification, training, certification examinations, resume posting, employers demand collection, arranging interviews, arranging appointments and placement.
- Demands from the employers are processed and analyzed to meet their exact requirement in the time and budgetary frame work.

Main Fields

- 1.Construction
- 2.Oil.refinery
- o 3.Chemical
- 4.Offshore
- o 5.Marine
- 6.Environment
- o 7.Manufacturing
- 8.Electronics
- 9.Productioin
- 10.Information Technology

Key TargetsYouth Employment Promotion

- Sources of Funds
- Foreign Universities
- Skill Development Council of Pakistan
- Sponsorships from Industries

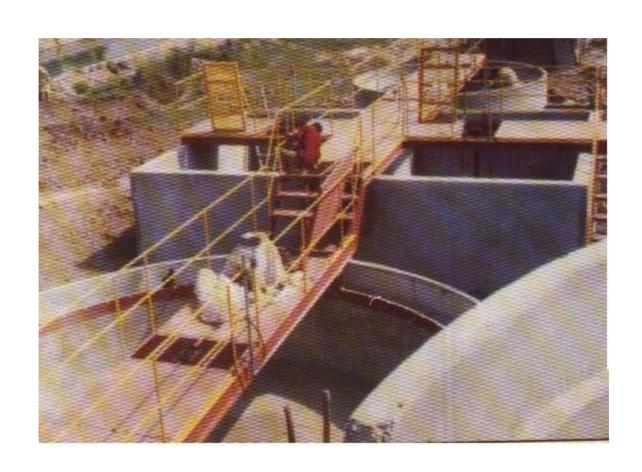
Volume of Business
US\$ 15,000 per month
Length in Years
Continuous since 1997

- Target Groups
- Young Graduate Students and Pass Outs

References

- Mr Seerat Mehdi
- Skills Development Corporation of Pakistan
- 387-D/3, Gulberg III, Lahore, Pakistan
- o Tel: 0333-422-7410
- Raja Munawar Ahmad
- Advisor to the President of Pakistan
- 176 Abu Bakar Block, Garden Town, Lahore, Pakistan
- o Tel: 0320-481-7349

Modern Sewage Treatment Plant Delivered for environmental uplift



Project-051 Technology Disbursement Program

- What form of technology is appropriate, how it is generated or acquired, what are the channels of flow, what potentials and hazards exist and what industrial frameworks are available are the questions to be addressed to before an overall view of the situation is gathered and a well planned national policy can be formulated.
- For this purpose selected displays of different crosssections of technological development are focused in this Program and presentations from various multi disciplinary fields are arranged in the form of International Technological Exhibition and Seminars.

Displays

- Technical Training centers in joint ventures with foreign countries.
- Research institutions offering R and D facilities
- Marketing Institutions offering marketing of R and D
- Production organization in joint venture with foreign bodies.

Key Targets

Introduction to New Technologies and Products Professional Uplift

- Sources of Funds
- Sponsorships from Industries
- Volume of Business
- US\$ 15,000 per month
- Length in Years
- Continuous since 1992

Target Groups Individual Industries

References

- Ms Rukhsana Rahooja
- Secretary
- Council of Works and Housing Research
- Ministry of Science and Technology
- F-40, SITE, Hub River Road
- Karachi, Pakistan
- o Tel:
- Ms Zara Ashraf
- Director Quality Management and Chief Architect
- Communication and Works Department
- Government of the Punjab
- C&W Secretariat, Lahore, Pakisatn
- o Tel: 0300-844-2827