

Six (6) years Progress and Contribution of Dr. Khan Muhammad  
Assistant Professor (TTS) Department of Mining Engineering  
UET Peshawar Pakistan from the year 2010 to 2015.

2014

## STUDENT EVALUATION

## NWFP University of Engineering and Technology

Course and Teacher Evaluation, Spring 2014

Name      Dr. Khan Muhammad  
Course     Mine Economics & Management

Department: Mining Engineering  
Campus       Peshawar

### Course

Question	A	B	C	D	E	WA
1. Information about the course (that is, textbooks and weekly lecture schedule) is provided at the beginning of semester.	2	8	1	0	2	3.6
2. In-class activities (for example, lectures and discussions) have helped me learn the course material.	2	7	2	1	1	3.6
3. Feedback on assignments, quizzes , projects, midterm exam and class presentations has helped me in learning the course.	2	7	2	1	1	3.6
4. The course material (for example, books, course notes and web) is useful in learning.	2	8	0	1	2	3.5
5. The course has increased my interest in the subject.	2	8	1	1	1	3.7
6. Classrooms are satisfactory (for example, in term of space, furniture and lighting).	2	6	0	3	2	3.2
<b>Total</b>	12	44	6	7	9	3.6

### Teacher

Question	A	B	C	D	E	WA
1. The teacher encourages students to ask questions and participate in class discussions.	3	8	0	0	2	3.8
2. The teacher explains the course contents and concepts clearly.	1	8	1	1	2	3.4
3. The teacher comes well prepared for the class.	2	9	1	0	1	3.8
4. How closely does the teacher follow the time table?	4	6	1	1	1	3.8
5. What percentage of classes has been taught by the assigned teacher himself/herself?	4	7	1	0	1	4.0
6. The teacher is fair to students in grading.	3	5	2	0	3	3.4
7. The teacher has completed the course (according to weekly lecture schedule).	4	7	1	0	1	4.0
8. The teacher arrives and leaves on time.	3	7	1	0	2	3.7
<b>Total</b>	24	57	8	2	13	3.7

*Khan*

15-7-14



# NWFP University of Engineering and Technology

Course and Teacher Evaluation, Fall 2014

Name      Dr. Khan Muhammad  
Course     Geostatistical Ore Reserve Estimation Lab


Department: Mining Engineering  
Campus       Peshawar

## Course

Question	A	B	C	D	E	WA
1. Information about the course (that is, textbooks and weekly lecture schedule) is provided at the beginning of semester.	2	2	1	0	0	4.2
2. In-class activities (for example, lectures and discussions) have helped me learn the course material.	3	1	1	0	0	4.4
3. Feedback on assignments, quizzes , projects, midterm exam and class presentations has helped me in learning the course.	3	1	1	0	0	4.4
4. The course material (for example, books, course notes and web) is useful in learning.	2	2	1	0	0	4.2
5. The course has increased my interest in the subject.	1	2	1	0	1	3.4
6. Classrooms are satisfactory (for example, in term of space, furniture and lighting).	1	3	1	0	0	4.0
<b>Total</b>	12	11	6	0	1	4.1

## Teacher

Question	A	B	C	D	E	WA
1. The teacher encourages students to ask questions and participate in class discussions.	4	0	1	0	0	4.6
2. The teacher explains the course contents and concepts clearly.	3	1	1	0	0	4.4
3. The teacher comes well prepared for the class.	3	1	1	0	0	4.4
4. How closely does the teacher follow the time table?	2	2	1	0	0	4.2
5. What percentage of classes has been taught by the assigned teacher himself/herself?	3	1	1	0	0	4.4
6. The teacher is fair to students in grading.	3	1	1	0	0	4.4
7. The teacher has completed the course (according to weekly lecture schedule).	3	1	1	0	0	4.4
8. The teacher arrives and leaves on time.	2	2	1	0	0	4.2
<b>Total</b>	23	9	8	0	0	4.4

  
 12-5-15  
 Head of Quality Enhancement Cell  
 NWFP University of Engineering & Technology  
 Peshawar, Pakistan

# NWFP University of Engineering and Technology

Course and Teacher Evaluation, Fall 2014

Name      Dr. Khan Muhammad  
 Course    Geostatistical Ore Reserve Estimation


Department: Mining Engineering  
 Campus      Peshawar

## Course

Question	A	B	C	D	E	WA
1. Information about the course (that is, textbooks and weekly lecture schedule) is provided at the beginning of semester.	3	1	1	0	0	4.4
2. In-class activities (for example, lectures and discussions) have helped me learn the course material.	4	0	1	0	0	4.6
3. Feedback on assignments, quizzes , projects, midterm exam and class presentations has helped me in learning the course.	3	1	1	0	0	4.4
4. The course material (for example, books, course notes and web) is useful in learning.	3	1	1	0	0	4.4
5. The course has increased my interest in the subject.	2	2	1	0	0	4.2
6. Classrooms are satisfactory (for example, in term of space, furniture and lighting).	1	3	1	0	0	4.0
<b>Total</b>	16	8	6	0	0	4.3

## Teacher

Question	A	B	C	D	E	WA
1. The teacher encourages students to ask questions and participate in class discussions.	4	1	0	0	0	4.8
2. The teacher explains the course contents and concepts clearly.	4	1	0	0	0	4.8
3. The teacher comes well prepared for the class.	4	1	0	0	0	4.8
4. How closely does the teacher follow the time table?	2	2	1	0	0	4.2
5. What percentage of classes has been taught by the assigned teacher himself/herself?	3	1	1	0	0	4.4
6. The teacher is fair to students in grading.	2	2	1	0	0	4.2
7. The teacher has completed the course (according to weekly lecture schedule).	3	1	1	0	0	4.4
8. The teacher arrives and leaves on time.	3	1	1	0	0	4.4
<b>Total</b>	25	10	5	0	0	4.5

  
 19-11-14  
 Head of Quality Enhancement Cell  
 N.W.F.P. University of Engineering & Technology  
 Peshawar, Pakistan.

## PEERS EVALUATION



applicant Name : Dr. Khan Muhammad | Department : Mining Engg

PEER EVALUATION PROFORMA(PEP)

(for use in FEP)

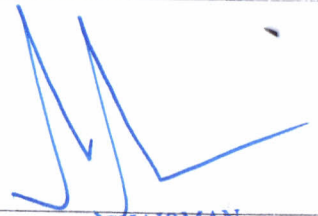
To be filled by the PEER Evaluation Committee comprising three senior faculty members of the Department nominated by the Chairman

*Instructions:*

- ✓ Marks (✓) in the relevant column.
- ✓ Do not use pencil
- ✓ Submit PEP in a sealed Envelope to the Chairman of the Department
- ✓ the chairman should forward the PEPs to the applicant for incorporation in FEP, Part A

Question No.	Description	Strongly Agree	Agree	Somewhat Agree	Disagree
1	The course folder indicates good quality course	✓			
2	The instructor has developed new course/updated course	✓			
3	The instructor contribute towards departmental development	✓			
4	The instructor contributes toward knowledge development in his field	✓			
5	Quality of presentation is excellent in seminars/ workshop/conference etc. with respect to subject contents. organization and communication	✓			

Date 2013-14

  
 CHAIRMAN  
 Chairman of the Department  
 Deptt. of Mining Engg.  
 University of Engg. & Tech.  
 Peshawar

applicant Name : Dr. Khan Muhammad | Department : Mining Engg

PEER EVALUATION PROFORMA(PEP)

(for use in FEP)

To be filled by the PEER Evaluation Committee Comprising three senior faculty members of the Department nominated by the Chairman

*Instructions:*

- ✓ Marks (✓) in the relevant column.
- ✓ Do not use pencil
- ✓ Submit PEP in a sealed Envelope to the Chairman of the Department
- ✓ the chairman should forward the PEPs to the applicant for incorporation in FEP, Part A

Question No.	Description	Strongly Agree	Agree	Somewhat Agree	Disagree
1	The course folder indicates good quality course		✓		
2	The instructor has developed new course/updated course	✓			
3	The instructor contribute towards departmental development	✓			
4	The instructor contributes toward knowledge development in his field	✓			
5	Quality of presentation is excellent in seminars/ workshop/conference etc. with respect to subject contents, organization and communication	✓			

Date : 2013-14

Chairman of the Department

**CHAIRMAN**  
Deptt: of Mining Engg:  
University of Engg. & Tech:  
Peshawar

applicant Name : Dr. Khan Muhammad | Department : Mining Engg

**PEER EVALUATION PROFORMA(PEP)**

**(for use in FEP)**

To be filled by the PEER Evaluation Committee Comprising three senior faculty members of the Department nominated by the Chairman

*Instructions:*

- ✓ Marks (✓) in the relevant column.
- ✓ Do not use pencil
- ✓ Submit PEP in a sealed Envelope to the Chairman of the Department
- ✓ the chairman should forward the PEPs to the applicant for incorporation in FEP, Part A

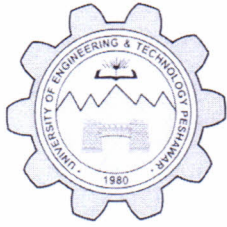
Question No.	Description	Strongly Agree	Agree	Somewhat Agree	Disagree
1	The course folder indicates good quality course	✓			
2	The instructor has developed new course/updated course	✓			
3	The instructor contribute towards departmental development	✓			
4	The instructor contributes toward knowledge development in his field	✓			
5	Quality of presentation is excellent in seminars/ workshop/conference etc. with respect to subject contents. organization and communication	✓			

Date : 2013-11-14

  
Chairman of the Department  
Deptt: of Mining Engg:  
University of Engg: & Tech:  
Peshawar

TEACHING





Chairman

DEPARTMENT OF MINING ENGINEERING  
UNIVERSITY OF ENGINEERING & TECHNOLOGY  
PESHAWAR

Phone: (091) 9222219

Email: chair\_min@nwfpuet.edu.pk


October 31/2017

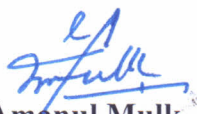
Ref. #: 1232/Min

**To Whom It May Concern**

This is to certify that *Dr. Khan Muhammad*, Assistant Professor at Department of Mining Engineering taught the following undergraduate courses to B.Sc. Engineering students during **Spring-2014 to Fall-2015**.

Year	Semesters	Courses	Semester
2014	Spring 2014	Mine Economics and Management	6 <sup>th</sup> Semester
	Fall 2014	Geostatistical Ore Reserve Estimation (Th)	5 <sup>th</sup> Semester
		Geostatistical Ore Reserve Estimation (Lab)	5 <sup>th</sup> Semester
2015	Spring 2015	Mine Economics and Management	6 <sup>th</sup> Semester
		Coal Technology	6 <sup>th</sup> Semester
	Fall 2015	Geostatistical Ore Reserve Estimation (Th)	5 <sup>th</sup> Semester
		Geostatistical Ore Reserve Estimation (Lab)	5 <sup>th</sup> Semester

  
**Engr. Talat Bilal**  
Semester Coordinator  
Department of Mining Engineering

  
**Engr. Amanul Mulk**  
Chairman  
Department of Mining Engineering

Copy:  
Office Record





DEPARTMENT OF MINING ENGINEERING  
UNIVERSITY OF ENGINEERING AND TECHNOLOGY (UET)  
PESHAWAR, PAKISTAN

Phone:091-9222219

D.No. 1229/Min.

Date: 31 October 2017

To Whom it May Concern

This is to certify that Dr. Khan Muhammad, Assistant Professor, Department of Mining Engineering taught the following postgraduate courses in 2014-15.

Year	Semester	Course No. and Title
2014	Spring 2014	Nil
	Fall 2014	MinE 5520 "Coal Preparation"
2015	Spring 2015	MinE 5535 "Computer Application in Mining and Advanced Programming"
	Fall 2015	MinE 5520 "Coal Preparation"

**Dr. Salim Raza**  
Postgraduate Advisor,  
Department of Mining Engineering

**Chairman**  
Department of Mining Engineering

c.c.

1. Office record

# RESEARCH

**Minutes of the Meeting regarding Progress Review of Pilot Research Study titled "Utilization, up-gradation & value addition of coal resources of Khyber Pakhtunkhwa" held under the Chairmanship of Director S&T, Directorate of S&T, Khyber Pakhtunkhwa**

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**Date:** Thursday Jan 30, 2014  
**Venue:** office of the Director S&T  
**Timings:** 1200 hrs to 1400 hrs

**Agenda of the Meeting:**

Progress review regarding pilot study titled "Utilization, up-gradation & value addition of coal resources of Khyber Pakhtunkhwa"

**Participants:**

1. Dr. Javed Abbas Bangash, Director S&T, Peshawar
2. Abid Sohail, Deputy Director S&T, Peshawar
3. Shaista Afridi, Deputy Director PRS, DoST, Peshawar
4. Dr. Khan Muhammad (PI), Mining Deptt UET Peshawar
5. Dr. Amadullah (PI), Chemical Deptt UET Peshawar

**Proceedings of the Meeting:**

The proceedings of the meeting started with a brief by the Director, DoST Khyber Pakhtunkhwa, wherein the participants were informed that the meeting has been convened in perspective that under one of the schemes of this office, a Pilot Research Study titled "Utilization, up-gradation & value addition of coal resources of Khyber Pakhtunkhwa" was awarded to Chemical & Mining Engineering Departments of UET Peshawar. This meeting has been convened in the perspective to review the physical & financial progress of the said study.

After the preliminary words, Deputy Director PRS informed the participants that the said Pilot Study was awarded in May 2013 and is of 01 year tenure. It is due for completion in May 2014. There are three main parts of the study as follow;

1. Development of pilot plant for Coal up gradation (By Dr. Khan Muhammad of Mining Engineering Dept UET)
2. Value Addition (Engr. Ammad of Chemical Engineering Dept UET)
3. Utilization of coal resources (Development of Cyclone Coal Combustor) by Engr. Naveed Mechanical Engineering Dept UET.

DD PRS informed that Cyclone Coal Combustor has successfully been developed by Engr. Naveed while Development of pilot plant for Coal up gradation is in progress. DD PRS informed that no progress has yet been made on the 3<sup>rd</sup> component i.e Value Addition by Engr. Ammad.

**Dr. Khan Muhammad informed that:**

- Float sink analysis of samples for deriving washability characteristics of Cherat coal is completed.
- Designs of coal washing jig with approx 100 kg/ Hr processing capacity have been finalized.
- Design of water only cyclone for processing fine coal particles is finalized.
- The tender for inviting bids for establishment of coal pilot plant is awarded to M/S Mobashir Engineers Hayatabad Peshawar.
- The pilot plant will be fully installed at the proposed site by the end of March.
- Tests for optimization of design parameters of water only cyclones will start by the end of Feb 2014.
- Further tests for optimization of operational parameters of jig and hydro cyclone will follow commence in April 2014.

The PI has requested for additional funds to complete his part of study.

- Engr. Ammad informed that:
- Finance Department of UET has not yet released funds amounting to Rs: 0.8 million to him.
  - He committed that he will complete his part of study in May 2014, if Finance Department UET release the funds to him in time.

DD PRS further informed that this office has released funds to UET in June 2013. But as informed by the PI, Engr. Ammad, it is the failure of Finance Dept UET for not releasing funds to the PI in time. Furthermore, Engr. Ammad has not informed this office in time for delay of funds on the part of UET Peshawar.

**Decisions:**

After detailed discussion, it has been decided & agreed upon that DoST KP will approach the Vice Chancellor UET for delay in funds release to the PI within a fortnight otherwise the funds will be re-appropriated to another deserving research study. Dr. Khan Muhammad has been advised to come up with written request thoroughly justifying the additional grant. Overall progress has been found satisfactory.

The meeting ended with the vote of thanks by the Director S&T.


-sd-  
Deputy Director PRS  
Directorate of S&T Peshawar

No. Dirtt/S&T/PRS/Pilot Research Studies/2013-14

Dated: 31.01.2014

Copy for information to,

1. The PS to Secretary, ST&IT Department Khyber Pakhtunkhwa Peshawar
2. The PS to Vice Chancellor, UET Peshawar
3. The Director S&T Khyber Pakhtunkhwa Peshawar
4. All participants

  
Deputy Director PRS  
Directorate of S&T Peshawar





DEPARTMENT OF MINING ENGINEERING  
UNIVERSITY OF ENGINEERING AND TECHNOLOGY  
PESHAWAR, PAKISTAN

University P.O. Box No.814, Peshawar, Pakistan

Tel: +92-91-9216501, Fax: +92-91-9216663

Website: [www.nwfpuet.edu.pk](http://www.nwfpuet.edu.pk)

Chairman

Ref. No. 6607 /Min

Dated: 17/01/2014

To

M/s Mobashir Engineering,  
13-F Industrial Estate Hayatabad,  
Peshawar.  
Phone: 091-5891679.

Subject: **Supply Order/Approval of Rates for coal Washing Pilot Plant**

Dear Sir,

Reference to your quotation regarding the subject and on the recommendation of the University purchase committee, lowest rates of your firm amounting to Rs 876,200/- (Eight hundred and seventy six thousand and two hundred only) has been approved for the complete installation and commissioning of coal washing pilot plant required for DOST funded project titled, "Upgradation, Utilization and Value addition of coal resources in KP" under the supervision of Dr. Khan Muhammad, Assistant Professor of Mining Engineering Department.

You are requested to supply the above mentioned items within 90 days on the receipt of this order and submit bill for payment along with GST invoice etc.

Payment will however, be released to you on production of satisfactory certificate from Dr. Khan Muhammad Assistant Professor of Mining Engineering Department and copy of professional Tax certificate for the year 2013-2014.

Yours sincerely,

**Prof. Dr. Noor Mohammad**  
Chairman

Copy To:

1. Convener Purchase Committee UET Peshawar for information please.
2. The Director Finance UET, Peshawar for information please.
3. Dr. Khan Muhammad, Department of Mining Engineering for information and further necessary action please.
4. The Supdt. Store UET Peshawar for information.



**DIRECTORATE OF SCIENCE AND TECHNOLOGY**  
**Govt of Khyber Pakhtunkhwa, Peshawar.**  
**TF: 250 3<sup>rd</sup> Floor, Deans Trade Center Sadar CANTT**



**091-9212881, 9212583, 9212676, 9212413, 9212254**  
**<http://www.dost.gov.pk>**

No.Dirtt:/S&T/ILP/PRS/F.A/2014-15.  
Dated November 27, 2014

To

Dr. Khan Muhammad  
Mining Engineering  
UET Peshawar.

2997

Subject: **Project Presentation on Financial Assistance Funded by Directorate of S&T under the Project "Pilot Research Studies".**

I am directed to refer to the subject noted above and to state that this office funded your Research project titled "**Development of Pilot Plant for indigenous Coal resources of KP : Up gradation , Utilization & Value addition**" is now completed.

The competent authority desires to bring the project at commercialization level/stage.

You are therefore requested to furnish the commercialization / Industrialization / Replication Plan/Strategy of your research project at the earliest to proceed further in the matter.

  
Assistant Director (P&D)

Copy to:

1. Chief Planning officer (ST & IT) Department for information
2. PA to Director S&T for information please.

  
Assistant Director (P&D)



## UNIVERSITY OF ENGINEERING AND TECHNOLOGY PESHAWAR

### QUALITY ENHANCEMENT CELL

University P.O. Box No. 814, Peshawar, Pakistan

Tel: (091) 9216796 Ext: 3169, Fax: (091) 9218160

E-mail: [dirqec@nwfpuet.edu.pk](mailto:dirqec@nwfpuet.edu.pk)

October 16, 2014 -381

Director, Postgraduate Studies  
University of Engineering and Technology  
Peshawar.

Subject: **Thesis Originality Report**

The M.Sc. thesis of the following student has been checked for plagiarism:

Name of Student: Engr. Akram Shah  
Department: Mining Engineering  
Thesis Supervisor: Dr. Khan Muhammad  
Title of Thesis: Optimization of blast design to Minimize back break for  
Dewan Cement Limestone Quarry using artificial neural  
networks

Based on the Overall Similarity Index, it is verified that the thesis is **Not Plagiarized**.

Prof. Dr. Rizwan M. Gul  
Director, Quality Enhancement Cell

Copy to:

1. Chairman, Department of Mining Engineering
- ✓ 2. Dr. Khan Muhammad, Department of Mining Engineering  
(Thesis Supervisor)

**Dr. Rizwan Mahmood Gul**  
**Director (QEC),**  
**University of Engineering &**  
**Technology Peshawar**





**OFFICE OF THE DIRECTOR POSTGRADUATE STUDIES**  
**UNIVERSITY OF ENGINEERING & TECHNOLOGY**  
**PESHAWAR, PAKISTAN**

*Director*  
**Postgraduate Studies**

*Email : waqar.shah@uetpeshawar.edu.pk*

Phone: (091) 9216081 Ext: 3088

Fax: (091) 9216663

No: 1126 /PF/DPS

Dated: 30 /06/2015

The Deputy Registrar Academic (Regulations),  
University of Engineering & Technology,  
Peshawar.

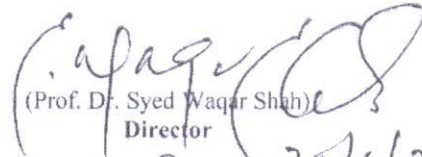
Subject: **Master's Thesis Defence Examination Bills**

Memo:

The Thesis Defence Examination of **Engr. Akram Shah s/o Matiullah** Department of **Mining** Engineering was held on **15.12.2014**. The following Examination Committee was constituted by the Vice-Chancellor vide Notification No.141/F-05(A)/ Vol-I/O-III/Acad, dated 26.11.2014.

1. Dr. Khan Mohammad, Thesis Supervisor  
Department of Mining Engineering,  
UET, Peshawar.
2. Prof. Dr. Khan Gul Jadoon, External Examiner  
Director, COMSATS,  
Abbottabad.
3. Prof. Dr. Noor Mohammad, Internal Examiner  
Department of Mining Engineering,  
UET, Peshawar.

Honorarium bills in respect of the above mentioned committee members are attached herewith for approval of the competent authority and payment may please be released accordingly.

  
(Prof. Dr. Syed Waqar Shah)  
Director  
30/6/2015

Encl: 3 bills in original

Copy to: -

The Chairman, Department of Mining Engineering

For.  
Dr. Khan - M.

Amir  
1.7.15





DEPARTMENT OF MINING ENGINEERING  
UNIVERSITY OF ENGINEERING AND TECHNOLOGY  
PESHAWAR, PAKISTAN

Ref: No. 6642/Min

Date: 24/02/2014

To,

1. Prof. Dr. Mohammad Ali Shah,  
Chairman, Department of Mining Engineering,  
Mehran University of Engineering and Technology, Jamshoro.
2. Prof. Dr. Taj Ali Khan,  
Department of Agriculture Engineering,  
University of Engineering and Technology, Peshawar.
3. Dr. Shahab Khanzada,  
Pavement Engineer, National Highway Authority,  
Islamabad.
4. ✓ Dr. Khan Muhammad,  
Department of Mining Engineering,  
University of Engineering and Technology, Peshawar.

Subject: Second Meeting of the Research Evaluation Committee (REC)

Respected Sir,

In continuation to this office letter No.6634/Min, Dated 19/02/2014, on the subject cited above, Second REC meeting of Engr. Muhammad Tahir, PhD Scholar at Department of Mining Engineering is re-scheduled to be held as follow:

**Date:** 7<sup>th</sup> March, 2014 (Friday)

**Time:** 9 :30 am

**Venue:** Reference Library Department of Mining Engineering

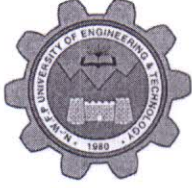
Inconvenience caused to you in this regard is highly regretted.

Regards,

**Prof. Dr. Noor Mohammad**

Chairman Department of Mining Engineering.

- Copy to:
1. The Dean Faculty of Engineering, UET Peshawar.
  2. The Director Postgraduate Studies, UET Peshawar.



DEPARTMENT OF MINING ENGINEERING  
UNIVERSITY OF ENGINEERING AND TECHNOLOGY  
PESHAWAR, PAKISTAN

Ref: No. 6634/n/min

Date: 19/02/2014

To,

1. Prof. Dr. Mohammad Ali Shah,  
Chairman, Department of Mining Engineering,  
Mehran University of Engineering and Technology, Jamshoro.
2. Prof. Dr. Taj Ali Khan,  
Department of Agriculture Engineering,  
University of Engineering and Technology, Peshawar.
3. Dr. Shahab Khanzada,  
Pavement Engineer, National Highway Authority,  
Islamabad.
- ✓ 4. Dr. Khan Muhammad,  
Department of Mining Engineering,  
University of Engineering and Technology, Peshawar.

Subject: **Second Meeting of the Research Evaluation Committee (REC)**

Respected Sir,

Second REC meeting of Engr. Muhammad Tahir, PhD Scholar at Department of Mining Engineering is scheduled to be held according to the following schedule:

**Date:** ~~6<sup>th</sup> March, 2014~~ 7<sup>th</sup> March, 2014  
**Time:** 10:30 am  
**Venue:** Reference Library Department of Mining Engineering

**Agenda:** Engr. Muhammad Tahir will give detailed oral progress presentation about the research conducted so far, since the 1<sup>st</sup> REC Meeting held on 27/03/13. He will also talk about his achievement about the targets and goals set by REC in its previous meeting. (Copy of the minutes attached as Annexure-I). Later on Engr. Muhammad Tahir will talk about two research manuscripts from his PhD work before submitting for publication. The research manuscript titled "*Prediction Performance and Generalization of the Empirical Estimation of*

*Rock mass Deformation Modulus Based on Rock mass Classification Systems*” was recommended by the REC members in the 1<sup>st</sup> meeting (Copy of both manuscripts are attached as Annexure-II and III). The scope of the research work done so far will be determined for recommendation of writing draft thesis.

It is requested to please make it convenient to attend the meeting. Out of station members are requested to inform about their arrival date and time, so that arrangements in University’s guest house could be made in time.

Regards,



**Prof. Dr. Noor Mohammad**

Chairman Department of Mining Engineering.

- Copy to:
1. The Dean Faculty of Engineering, UET Peshawar.
  2. The Director Postgraduate Studies, UET Peshawar.



# UNIVERSITY OF ENGINEERING & TECHNOLOGY, PESHAWAR

(Academic Operation)

No. 13 /F-05(A) Vol-II/O-III/Acad

Dated. 12-02-2014

## NOTIFICATION

The following Examination Committee for thesis Defence Examination in respect of Engr. Wahid Ali, student of M.Sc Department of Mining Engineering, UET Peshawar is constituted as laid down under Section 1.9.2.1 of the Postgraduate Prospectus 2013-2014: -

**Thesis Title: -** "Rock Mass Characterization for Diversion Tunnels at Diamer Basha Dam, Pakistan-A Design Perspective".


**External Examiner:** Prof. Dr. Khan Gul Jadoon,  
Director,  
COMSAT, Abbottabad.

**Internal Examiner:** Dr. Khan Mohammad,  
Assistant Professor,  
Department of Mining Engineering,  
UET, Peshawar.

**Research Advisor:** Prof. Dr. Noor Muhammad,  
Department of Mining Engineering,  
UET, Peshawar.

The date of Examination shall be fixed after consultation with the external and internal examiners.

This is issued with the approval of the competent authority.

  
Dean,  
Faculty of Engineering

No. 153-158 /F-05/O-III/Acad

Copy to: -

1. The Director, Postgraduate Studies with reference to his letter No. 434/PF/DPS dated 10.01.2014.
2. Prof. Dr. Khan Gul Jadoon, Director, COMSAT, Abbottabad. Thesis copy of the candidate is enclosed with the request to bring the same on the date of examination.
- ✓ 3. Dr. Khan Mohammad, Assistant Professor, Department of Mining Engineering UET, Peshawar. Thesis copy of the candidate is enclosed with the request to bring the same on the date of examination.
4. Prof. Dr. Noor Muhammad, Department of Mining Engineering, UET, Peshawar.
5. The Controller of Examinations.
6. The Deputy Registrar (Regulation).
7. Master File.

  
Dean,  
Faculty of Engineering

## PROFESSIONAL DEVELOPMENT

# UNIVERSITY OF ENGINEERING & TECHNOLOGY

No. 14433 /27/34/Estt-I/Vol-V

Dated 2/9 /2014

To

Mr. Amjad Hussain,  
Joint Scientific Advisor (IL),  
Ministry of Science & Technology,  
Islamabad.

**SUBJECT: TRAINING PROGRAMME ON FULLY MECHANIZED COAL MINING TECHNOLOGY, SEPTEMBER, 09-28, 2014, BEIJING, CHINA**

Sir,

I am directed to invite a reference to your letter No.7(01)/2013-CR(TA) dated 13.03.2014 on the above noted subject and to inform you that Dr. Khan Mohammad, Assistant Professor, Department of Mining Engineering of this University has been nominated for the subject training, subject to the condition that all expenditures will be borne by the nominee himself and there will be no financial liability on the part of this University.

  
-Registrar  
University of Engineering  
& Technology, Peshawar

No. 14434-36 /27/34/Estt-I/Vol-V

Copy to:-

1. The Chairman, Deptt: of Mining Engineering
- ✓ 2. Dr. Khan Mohammad, Assistant Professor
3. The P.S to Vice Chancellor

## Schedule of International Training Workshop on Fully Mechanized Coal Mining Technology

(September 9 ----28, 2014, Beijing/Tangshan, P. R. China)

**(The schedule may be a little adjusted according to the actual condition)**

Time	Subject	Venue Info.
2014/09/09 (Tuesday)	Participants arrival in Beijing; Registration place: Lobby of Phoenix Grand Hotel; 培训班学员抵京, 在凤展大酒店报道; Contact person: Madame Shen Aimin Mobile: +86-13911814872	Phoenix Grand Hotel 凤展大酒店 Address: No. 57, Andingmenwai Street, Dongcheng District, Beijing 100011, P. R. China Tel: +86-10-84138886/84139999 Fax: +86-10-84138880
2014/09/10 (Wednesday)	Morning: Opening Ceremony of International Training Workshop on Fully Mechanized Coal Mining Technology 上午开班典礼; Afternoon: Introduction to China Coal Industry by CODCO; Introduction to coal industry of participants' countries 下午中国煤炭工业介绍和学员介绍;	Beijing
2014/09/11 (Thursday) to 2014/09/19 (Friday)	Training in Kailuan Coal Mining Group located in Tangshan City during 2014/09/11 to 2014/09/19	Xinhua Hotel Address: No. 105 Xinhua Dong Street, Tangshany, Hebei Province 063000, Tel: 86-315-2851588 Fax: +86-315-3727780
2014/09/20 (Saturday)	Return back to Beijing by bus in the morning; Visit Tiananmen Square & Forbidden City in the afternoon; 早晨从唐山出发回北京,午餐后游览故宫;	Beijing



2014/09/21 (Sunday)	Rest in Beijing 放假一天	Beijing
2014/09/22 (Monday)	Leave Beijing for Pingshuo Mining Area by a coach (about 480km) 离京去朔州，途中参观长城；	Shuozhou City, Shanxi Province
2014/09/23 (Tuesday)	Visit a top coal caving working face and surface facilities, discussion with Chinese engineers 参观平朔放顶煤工作面 and 地面设施等；	Ditto
2014/09/24 (Wednesday)	Leave Shuozhou for Zhangjiakou City in the morning, visit AFC manufacturer in the afternoon 离开朔州去张家口，参观 AFC 制造厂；	Zhangjiakou City, Hebei Province
2014/09/25 (Thursday)	Visit the new industrial zone in the morning, then return back to Beijing 参观新工业园区，然后回京	Beijing
2014/09/26 (Friday)	Visit Beijing Power Support Factory and technical exchange; 参观北京厂并技术交流	Beijing
2014/09/27 (Saturday)	Closure Ceremony of the training workshop in the morning	Beijing
2014/09/28 (Sunday)	After breakfast, all the participants must check out, that is the end of the training workshop 早餐后退房，培训班结束。	

Time Schedule 时间表:

Breakfast 早餐: 7:30 – 8:30

Lunch 午餐: 12:00 – 13:00

Dinner 晚餐: 18:00 – 19:00

Time Schedule for class 课程表:

Morning 早晨: 9:00 – 11:00

Afternoon 下午: 14:00 – 16:00

45 minutes for each class and 15 minutes for break  
每节课 45 分钟，15 分钟课间休息



# *Certificate*

This is to certify that Mr. KHAN MUHAMMAD  
has successfully completed the study in  
International Training Workshop on Fully  
Mechanized Coal Mining Technology from  
September 9, 2014 to September 27, 2014 at China  
Coal Overseas Development Co., Ltd, P.R. China.

Department of International Cooperation

Ministry of Science and Technology

The People's Republic of China

September 27, 2014

NO: 141419

## PROFESSIONAL CONTRIBUTIONS





GOVERNMENT OF KHYBER PAKHTUNKHWA  
DIRECTORATE OF SCIENCE & TECHNOLOGY

TF 250, 3<sup>rd</sup> floor, Deans Trade Centre, Saddar Cantt, Peshawar

Phone # 091-9212881-713 Fax # 091-9212583

No. Dirtt/S&T/KP/PLC/ADP/2013-14/ \_\_\_\_\_

Dated Peshawar, March 12, 2014

To

- 1. Director P&D/ CPO, Home & Tribal Affairs Department, KP
- 2. Director P&D/ CPO, Mines & Minerals Department, KP
- 3. Director P&D/ CPO, Energy & Power Department, KP
- 4. Director P&D/ CPO, Industries Department KP
- 5. Director P&D, Hazara University, Mansehra
- 6. Director P&D, University of Peshawar.
- 7. Director P&D, UET Peshawar
- 8. The Principal, KMU, Peshawar

Subject: Consultative meeting on ADP 2014-15

Since its creation and as per mandate, the Directorate of Science & Technology (DoST) has launched a number of developmental initiatives for the promotion of Science & Technology under the provincial Annual Development Programmes.

However during the course of implementation of developmental initiatives, instances have been noted that there is a lack of participation/coordination of relevant sectors.

Therefore, keeping in view of the lessons learnt and as per advice of the concerned quarters it is decided that while formulating the forthcoming ADP 2014-15, the relevant sectors will be taken on board.

In this regard, a consultative meeting on the following scheme(s) included in the ADP 2014-15 of the sub-sector S&T, relevant to your sector(s), has been scheduled on March 19, 2014 (1030 hrs) at this office.

- 1. Strengthening of R&D in Forensic Science.
- 2. Efficient utilization of coal resources in KP.
- 3. Value Addition Park for all Mineral and metallic ores of KP and FATA.

It is therefore requested to attend the meeting or nominate a well conversant representative as per given schedule, please.

Encl: Concept Paper(s)

Copy to:

- 1. The Chief Section (Industries) P&DD Khyber Pakhtunkhwa with the request to attend the meeting as per given schedule, please.
- 2. Planning Officer (S&T), ST&IT Department with the request to attend the meeting as per given schedule, please.
- 3. The PS to Secretary ST&IT Department Khyber Pakhtunkhwa for information

*[Signature]*  
Director (S&T)  
*[Signature]*

*kindly nominate someone from your Dept. Mr. Shahid Nawaz SDA will also coordinate*

*Received today on 17/3/2014 at*

**DIRECTOR FINANCE**  
Engineering & Technology

*Prof is nominated to attend the meeting*  
*18/3/14*



University of  
Engineering & Technology  
Peshawar, Pakistan



International Conference

24<sup>th</sup>-25<sup>th</sup> April, 2014

# Economic Development

Through Higher Education

**Certificate of Appreciation**

Awarded to **Dr. Khan Muhammad**  
*for*

Successfully arranging  
International Conference on Economic Development through  
Higher Education

Focal Person





## SEMINARS, WORKSHOPS & CONFERENCES

### Experts from UK Universities and Pakistan Recommend Sustainable HE Model for Economic Development

A two-day conference on "Economic Development through Higher Education" was held at HEC in collaboration with UET Peshawar, COMSATS and Campus Consultancy, UK.

The vice chancellor, in his opening address said HE is the only sustainable engine for the economic growth of a country. In last few years, HEC has directed its energies to achieve this goal. However, there is need that academics at HEI's and universities get engaged with industry and find out indigenous solutions to the real problems of Pakistan. He said, UK universities are already partners of Pakistani Higher Education but there's a need to build joint partnerships in the promotion of research.

Prof. Phil Thomas, from Cardiff University highlighted the role of intellectual in promoting education and building the culture of research and development. He said a developing nation needs to invest on its intellectuals and scholars more aggressively. For that matter the university management and vice chancellors should work together to produce quality research which has an impact on country's development. However, he lamented the fact that a good quality research output was not being produced from Pakistan. He advised that Vice chancellors' research and leadership capabilities could take a university research output to an international level. He also emphasized over the internationalization of education adding, Pakistani universities should review research skills and output for sustainable partnerships with UK universities.

Eminent personalities who spoke on the occasion included Dr. Masoom Yaseen zai, VC, Quaid-e-Azam University, Dr. Rasool Jan, VC University of Peshawar, Dr. Shabir Dastgir, University of Hutherfield, Dr. Shah Bano, VC Hazara University, Dr. Bilal, Dean, School of Engineering, NUST and speakers from UK universities.

The event was organized by a group of faculty members including Dr. Ali Mehmood, Dr. Gul Muhammad Khan (Electrical Engineering Department), Dr. Khan Muhammad (Mining Engineering Department) and students. The focal person of conference was Munir Lone, Director Campus Consultancy Services (PVT) Ltd.



Munir Lone, Director Campus Consultancy, Dr. Mukhtar Ahmad, Chairman HEC, Engr. Syed Imtiaz H. Gilani, Vice Chancellor UET Peshawar and others addressing on the occasion

### Professional Development Course

As part of continuous professional development program of Continuing Engineering Education Center (CEEC), an eight week program on professional development course was held in collaboration with the Urban Policy Unit, KPK, sponsored by USAID. The participants of the courses included nominees from various government departments, P&D, C&W, Public Health, Cantonment Board, and NGOs etc.

Earlier, Engr. Zubair Qureshi, Executive Director, Urban Policy Unit, KPK highlighted the role and importance of Urban Policy Unit and shed light on existing development projects. He also emphasized the participants to draw maximum benefit out of the opportunity, besides, making themselves abreast with the techniques, and develop the networking. Mr. Zubair Qureshi appreciated University's role and termed it as a partner in major assignments.

### Global Entrepreneurship Week at Mardan Campus

The Department of Computer Software Engineering, UET Mardan Campus organized a one-day seminar on "Global Entrepreneurship Week". The seminar was aimed to intimate idea sharing, connect participants to potential collaborators, mentors and investors, introducing them to new possibilities and exciting opportunities in "entrepreneurship". The seminar speakers, Engr. Asad and Engr. Hilal, entrepreneurs and experts from the field discussed the new trends in software industry and guided the students for promoting their ideas.

### Internet of Things (IoT)

A one-day lecture on "Internet of Things (IoT)" was arranged at DCSE on 17th February. Engr. Fida Khattak, a researcher and PhD Candidate at Aalto University, Helsinki Finland was the speaker on the occasion. He is an alumnus of UET Peshawar and did his Master from Aalto University in the area of communications. He has been actively participating in different working groups of IETF, CORE and Glowpan in particular regarding standardization of protocols for IoT.



## Conference Agenda

Day-1 (24th April, 2014)

Time	Activity	Speaker
9:00 -9:30 AM	Registration	
<b>Theme 1: Role of Higher Education as a Driver of Economic Development</b>		
9:30-9:35 AM	Recitation of the Holy Quran	
9:35-10:00 AM	Opening Remarks by the Chairman HEC	
10:00-10:35 AM	Presentation: The Intellectual and the University in a Developing Nation	Professor Phil Thomas, Cardiff University
10:35-11:10 AM	Creating Prosperity: Embedding Entrepreneurship in Higher Education for Economic Development in Pakistan	Professor Dr. Javed Hussain, Birmingham City University
11:10-11:30 AM	<b>Tea Break</b>	
11:30-12:00 PM	The Role of Universities for the Economic Development of the Country	Dr. Shabbir Dastgir, University of Huddersfield
12:00-12:25 PM	Universities and the Knowledge Based Economy: Perceptions from a Developing Economy	Dr. Shah Bano, Hazara University
12:25-1:30 PM	<b>Q &amp; A Session---Lunch</b>	
<b>Theme 2: Research, Technology &amp; Industry</b>		
1:30-2:00 PM	Communication skills: Higher Education and Industry	Dr. Richard Wills, University of Southampton
2:00-2:25 PM	Centres for Advanced Studies as Economic Engines in the Energy, Water and Agriculture	Dr. Muhammad Bilal Khan, NUST
2:25-2:55 PM	Industry Relevant Research – Approach for Higher Impact and Commercialization of Research Ideas	Dr. Haitham Cruickshank & Dr. Muhammad Ali Imran University of Surrey
2:55-3:20 PM	Role of Science and Technology Park in the University setting	Professor Dr. Arshad Ali, SEECS, NUST
3:20-3:40 PM	<b>Tea Break</b>	
3:40-4:15 PM	Presentation	Mrs. Jo Nesbitt, University of Southampton
4:15-4:30 PM	Impact of the Global League Tables and University Rankings	Munir Lone, Campus UK
4:30-5:00 PM	<b>Summing Up , Q &amp; A Session</b>	

## Day-2 (25th April, 2014)

Time	Activity
9:00 -9:15 AM	Panel includes Engr. Syed Imtiaz Gilani (Chairman HEC), Dr. Junaid Zaidi (Rector COMSATS), Tahir Naeem, Prof. Phil Thomas, Jo Nesbitt, Richard Wills, Dr. Haitham Cruickshank, Dr. M Ali Imran, Mrs. Sue Staples, Prof. Khurshid Khan, Prof. Javed Hussain and Munir Lone
<b>Theme 1: International Collaborations</b>	
9:15-10.30 AM	Opening Remarks: Prof. Junaid Zaidi followed by panel discussions. Panel Chair: Prof. Phil Thomas
<b>Theme 2: Mobility of Highly Skilled to Pakistan</b>	
11:35-12:45 PM	Opening Remarks by Munir Lone. Panel Chair: Mrs. Jo Nesbitt
12:45-1:00 PM	Q & A Session
1:00 PM	Wrap-up

**Day1 Venue: Higher Education Commission, Islamabad**

**Day2 Venue: COMSATS, Islamabad**







中国煤炭海外开发有限公司

China Coal Overseas Development Co. Ltd.

中国北京安定门外大街 192 号煤机大厦

192 Andingmenwai Street, Beijing, P.R. China

邮编(Postcode):100 011

传真(Fax):+86-10-64268340

+86-10-64265505

电话(Tel): +86-10-64268343

Email: [amshen@hotmail.com](mailto:amshen@hotmail.com)

[amshen@263.net](mailto:amshen@263.net)

Date: September 26, 2014

To whom it may concern,

This is to certify that Dr. Khan Muhammad, Assistant Professor, Department of Mining Engineering, University of Engineering and Technology, Peshawar, Pakistan presented a talk "Pilot scale coal up-gradation study for Khyber Pukhtunkhwa province, Pakistan" on 16-9-2014 in Hebei Energy College of Vocational Technology, Tangshan, China during International Training Workshop on Fully Mechanized Coal Mining Technology held from Sept 9-28, 2014 in China.

Shen Aimin



Assistant Managing Director of CODCO

& Event Organizer



**PMDC FATA DA MINERAL EXPLORATION OFFICE**

Plot # 44, Sector B1, Phase V, Hayatabad Peshawar.

Exploration & Development of Copper in North Waziristan Agency

Ref. No: PMDC/Copper-8/ 1028

Dated: 2.04.2014

**Dr. Khan Muhammad**  
**Assistant Professor**  
**Dept. of Mining Engineering**  
**UET Peshawar**

**Subject: CONSULTANCY SERVICES FOR OUR NORTH WAZIRISTAN COPPER EXPLORATION PROJECT.**

Dear Dr. Khan Muhammad,

We are working on detailed exploration of our North Waziristan copper for evaluation of its minable resources. We have generated multi-layered data including detailed surface geological map, IP geophysical survey, probe and pattern drilling, drill core geochemical assay at regular one meter interval in our past exploration history of the project.


Our next phase of exploration drilling is expected to be started in near future. The project will be conclude on defining mineable reserves for moving forward to the pre-feasibility of the project.

In view of your expertise and area of research in the field of reserve estimation, it is expected that your association with our project at this stage will conclude it with success in defining its workable reserves by using all the available data in computer based data modeling and mine optimization techniques.

You are hereby approached with expectation that you will spare some time to work with our project as consultant to conduct study and research on 3D modeling, quantification and classification of the contained reserves for conceptual mine plane, mine optimization and feasibility of the deposit".

The terms of reference and duration of consultancy can be negotiated and materialized later in the form of written agreement after your consent.

Looking forward to hear from you

Yours faithfully,  
  
(ASHFAQ SAJJAD)  
Project Director



UNIVERSITY OF ENGINEERING & TECHNOLOGY  
University P.O. Box No. 814, Peshawar, Pakistan



Registrar

Phone:(off) 091-9216496  
Fax:091-9218097

No. 14057/Estt-II/PF  
Date 26/8/2014

**NO OBJECTION CERTIFICATE**

This is to certify that Dr. Khan Muhammad is working as Assistant Professor (T.T.S) in the Department of Mining Engineering, UET, Peshawar.

The University of Engineering & Technology, Peshawar has no objection to his Private Consultancy to be provided to PMDC, FATA DA Exploration and Development of North Waziristan Copper Project under the University Consultancy Rules on the terms and condition mentioned the agreement executed by him with the University.

A handwritten signature in black ink, appearing to be 'Dr. Khan Muhammad', is written over a horizontal line.

Registrar  
University of Engineering  
& Technology, Peshawar



BOARD OF ADVANCED STUDIES AND RESEARCH  
UNIVERSITY OF ENGINEERING AND TECHNOLOGY,  
PESHAWAR.

boasar@nwfpuet.edu.pk  
Phone: 091-9216791

Secretary

No. 336 /BOASAR/UT

Dated. 18.3.2014.

NOTIFICATION

In pursuance of the decision of the Syndicate made in its 30<sup>th</sup> meeting held on 20.12.1992, clause 1.3 of the Postgraduate Prospectus 2013-14 and in continuation of this Office notification No. 239/BOASAR/UT dated. 10.2.2013, the Vice Chancellor is pleased to extend the period of appointment of Dr. Khan Muhammad, Assistant Professor as Postgraduate Advisor for the Department of Mining Engineering, UET for another term of one year with effect from 15.3.2014.

*Sahan*  
SECRETARY BOASAR

No. 289-300 /36-E/BOASAR/UT

1. The Chairman, Department of Mining Engineering
2. The Director Finance
3. The Director Postgraduate Studies
4. The Director, Campus Management Solution
5. The Director Quality Enhancement Cell
6. The Resident Deputy Director (Audit)
- ✓ 7. Dr. Khan Muhammad, Postgraduate Advisor, Dept. of Mining Engg.
8. The Superintendent Pay bills, Estt: Section
9. P.S to the Vice Chancellor
10. P.S to the Dean, Faculty of Engineering
11. P.S to the Registrar
12. Master file

*Sahan*  
SECRETARY BOASAR

*2 SNo 7 above*

UNIVERSITY OF ENGINEERING & TECHNOLOGY, PESHAWAR

NOTIFICATION

No. 367/A (17)Estt-V/Vol-III

Dated 23/6/2014

In continuation of Notification No 294/4(17)Estt-V/Vol-III dated 24.05 2013, the Vice-Chancellor is pleased to constitute the Proctorial Board consisting of the following members for a period of one year at allowance @ Rs.700/- P.M. each with effect from 03.04.2014 to 02.04.2015.

1. Dr. Nasir Ahmad (Department of Computer System Engineering).
2. Dr. Muhammad Sadiq (Mechanical Engineering Deptt)
3. Engr. Rashid Nawaz (Department of Industrial Engineering)
4. Dr. Muhammad Fahad (Department of Civil Engineering)
5. Engr. Shiraz Ali Khan (Mechatronics Engineering Deptt.)
6. Mr. Iqbal Uddin (Basic Sciences Deptt.)
7. Engr. Gulzar Ahmad (Electrical Engineering Deptt.)
8. Engr. Zubair Ahmad (Mechatronics Engineering Deptt.)
9. Engr. Amad Ullah Khan (Chemical Engineering Deptt.)
10. Engr. Zuhair Ali (Mechanical Engineering Deptt.)
11. Engr. Arsalan Khan (Civil Engineering Deptt.)
12. Engr. Hamid Khan, (Agricultural Engineering Deptt.)
13. Dr. Khan Muhammad (Mining Engineering Deptt.)
14. Mr. Imran Rashid ((Department of CS& IT)
15. Engr. Imran Khan Swati (Chemical Engineering Deptt.)
16. Engr. Tayyaba Bibi (Department of Civil Engineering).

*S/A*  
Registrar

No. 10234-42 Estt-III

Copy to:

1. The Dean, Faculty of Engineering
2. All Heads of Teaching Departments
3. The Chief Proctor, UET Peshawar
4. The Treasurer
5. The Manager, IT Centre
6. The Additional Director Budget
7. The Resident Deputy Director (Audit)
8. The Faculty concerned
9. Estt-I

*Par*  
Registrar  
University of Engineering  
& Technology, Peshawar

*Seen*  
*copy to P/F of Dr. Khan*

*23/6/14*