



AICTE Sponsored Short Term Course  
On

## “COAL QUALITY MANAGEMENT AND UTILIZATION”

24- 29 JULY 2017

DEPARTMENT OF MINING ENGINEERING  
INDIAN INSTITUTE OF TECHNOLOGY  
(BANARAS HINDU UNIVERSITY)



Quality Improvement Program Center  
Indian Institute of Technology (BHU)  
Varanasi - 221005, (U.P.)

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## About the Course

The Coal Quality Management and Utilization Course provides an understanding of the importance of assessing and managing coal quality from the mining to its marketing. It also provides an overview of the end-use of coal in the power generation sector, metallurgical and other industries and the impact of coal quality on these processes. This course is an ideal introduction for newcomers to the coal. Industry and academic institutions, particularly young professionals and teachers or more senior personnel from other disciplines who need to understand the “Bigger picture” behind coal quality.

## Course Content

1. Coal genesis and seam characterization.
2. Origin of Coal and coal classification.
3. Coal properties – petrographic, physical and mechanical
4. Sampling and grading of coal.
5. Coal marketing.
6. Coal properties and their significance.
7. Cleaning characteristics of coal.
8. Trends in coal utilization and preparation.
9. Carbon taxes & carbon credits.

## Course Coordinator(s)

**Prof. A. Jamal (Prof. & Former Head of Department)**  
**Prof. R. Kumar (Visiting Faculty)**  
**Prof. S. Ratan (Emeritus Prof.)**

**Co-coordinator(s)**  
**Dr. A. Kumar (Associate Prof.)**  
**Dr. Nawal Kishore (Assistant Prof.)**

## List of Short Term Courses during 2017-18

S No	Department	Course Coordinator	Title of Short Term Course	Duration
1	Civil Engineering	Prof. K K Pathak	APRRASCE - 2017	May 29 - June 9, 2017
2	Chemical Engineering & Tech.	Prof. M K Mondal	Recent Advances in Wastewater Treatment	June 26-30, 2017
3	Bio-Chemical Engineering	Prof. Pradeep Srivastava	Advances in Bioprocess Engineering	June 19-25, 2017
4	Mathematical Sciences	Prof. S K Upadhyay	Algebra, Analysis & Application	July 03-09, 2017
5	Electrical Engineering	Prof. M K Verma	Power System Stability & Control in Smart Grid Architecture	July 03-08, 2017
6	Mechanical Engineering	Prof. A K Agarwal	Total Quality Management	July 10-15, 2017
7	Mathematical Sciences	Prof. T Som	Fixed Point Theory & Dynamical Systems	June 19 - July 01, 2017
8	Mining engineering	Prof S P Gupta	Advance Techniques of Project Management	July 10-15, 2017
9	Electronics Engineering	Prof. S Jit	Modelling & Simulation of Adv. Semiconductor Devices	July 17-22, 2017
10	Mining engineering	Prof. Arif Jamal	Coal Quality Management & Utilization	July 24-29, 2017
11	Electronics Engineering	Prof. Kishore P Sarawadkar	HDL for Signal, Image & Video Processing	August 21-26, 2017
12	Metallurgical Engineering	Dr. Jaysurya Basu	AMMDISMM - 2017	Sept. 11-16, 2017
13	Computer Science & Engg.	Prof. K K Shukla	Machine Learning, Trends, Perspective & Prospects	Sept. 18 - 25, 2017
14	Mechanical Engineering	Prof. S K Sharma	Engineering Economics	Sept. 18-23, 2017
15	Chemical Engineering & Tech.	Prof. P K Mishra	Recent Advances in Bio-Energy	October 02-06, 2017
16	Bio-Chemical Engineering	Prof. S Kundu	Bioprocess Instrumentation & Control in Bioreactor Design	Nov. 07-13, 2017
17	Chemistry	Prof. Y C Sharma	Adv. Treatment Processes for Indust. Effluents	Feb. 09-14, 2018
18	Material Sciences	Dr. A K Singh	Materials Characterization for Engineers	Feb. 05-10, 2018

**Application Form for  
QIP SHORT TERM COURSE  
On**

**“COAL QUALITY MANAGEMENT AND UTILIZATION”**

24- 29 JULY 2017

**1. Name (block letters):**

**2. Designation & pay scale:**

**3. Organization:**

**4. Address for communication:**

**Pin code:**

**Ph. No.:**

**Fax No.**

**E-mail:**

**5. Highest Academic Qualification:**

**6. Specialization:**

**7. Experience (in years):**

**(a) Teaching:**

**(b) Industrial:**

**8. Amount of TA required as per entitlement mentioned in the brochure (only for AICTE approved college teachers):**

Please register me for the course on “COAL QUALITY MANAGEMENT AND UTILIZATION” to be held at IIT (BHU) Varanasi.

Place:

Date:

Signature of the applicant

**SPONSORSHIP**

Prof./Dr./Mr./Ms./Mrs./\_\_\_\_\_ is an employee of our institute and his/her application is hereby sponsored. The applicant will be permitted to attend the short-term course “COAL QUALITY MANAGEMENT AND UTILIZATION” at IIT (BHU) Varanasi during date of Short Term Course, if selected.

Date: \_\_\_\_\_ Signature of Sponsoring Authority  
Designation: \_\_\_\_\_ Official Seal:

Refundable Security Deposit Details:

DD No. \_\_\_\_\_ Date:

Bank:

Amount: ₹ 2000/- in favour of The Registrar, (IIT BHU),  
Varanasi

Signature of the Applicant

**Important Dates**

**Last Date of receiving application: 03- JULY- 2017**

**Intimation to the applicants: 07- JULY- 2017**

**Contact Details**

**Prof. AARIF JAMAL**

Course Coordinator

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**Dr. Nawal Kishore**

Co-coordinator

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**General Information**

The Banaras Hindu University established in 1916 by Pt. Madan Mohan Malviyaji is one of the most prestigious Central Universities of the country. The Indian Institute of Technology (BHU) Varanasi is in the campus of Banaras Hindu University. It is having 13 branches of engineering and three interdisciplinary schools along with several research and facility centres.

The Department of Mining was established in 1923. The department is actively engaged in research and development, and rendering valuable services to the industry since last 94 years. This Department is one of the premier institutions, with established leadership in knowledge creation in technical education, technical services and solutions in mining and allied industries. Among its greatest assets are its students and faculty with specialized identity and capabilities, in terms of focused research. While the department has already made a worldwide impact through its alumni and scholarly contribution, it is poised to further enhance its influence continuously through the efforts of teaching, research and knowledge dissemination.

**How to Reach**

Varanasi Railway Station is well connected to almost all parts of the India. Also it is well connected by Airlines. The Institute is located in BHU in the extreme south of the Varanasi city .It is about 7 km away from Varanasi Railway Station and 35 km from the Babatpur (Varanasi) airport..

**About Varanasi**

Varanasi (or Banaras) is one of the oldest living cities in the world; situated on the bank of sacred river Ganga. It is also called the city of spiritual light (Kashi). To be in Varanasi is an experience in itself.