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11. Dr. Ram Keval

About Short Term Course

Science comes from the Latin word "scientia" meaning knowledge, is the systematic organization of knowledge in the form of testable explanations and predictions. Physical science deals specially with Physics and Chemistry and is called as natural science. It deals with how things interact in nature. Mathematics is used in Physical Science to calculate the measurements of objects and their characteristics, as well as to show the relationship between different functions and properties. Arithmetic, Algebra and advanced Mathematics may be used to understand the various concepts of physical sciences. Archimedes (3rd century BC) fundamentally applied mathematics to the solution of physical problems and brilliantly employed physical assumptions and insights leading to mathematical demonstrations, particularly in problems of statics and hydrostatics

Objective of Short Term Course

- ◆ To introduce the basics of Physics, Chemistry and Mathematics, along with the diverse modern numerical techniques to solve the problems in general .
- ◆ To discuss the applications of physical sciences in engineering and technology.

Course content

The focus area will include but not limited to:

Differential Equations
Advanced Numerical Analysis
Fourier Analysis
Special Functions and Integral Transforms
Cryptography
Fluid dynamics
Active and smart Materials
Crystalline and amorphous semiconducting materials
Experimental Techniques of characterization
Nano materials: properties and applications
Thermodynamics
Polymer Science

TEQIP –II Sponsored Short Term Course

On

Application of Physical Sciences in Engineering and Technology

(STCAPSET-16)

2-8, July 2016



Sponsored by

Technical Education Quality Improvement Programme-II



Organized by

Department of Applied Science
Madan Mohan Malaviya University of Technology
Gorakhpur-273010 (UP), India

Eligibility for Participation

Teachers from University/ Academic Institutions / Participants from Industries.

How to apply

Interested persons may apply in the form given herewith alongwith the registration fee in the form of demand draft drawn in favour of 'STCAPSET-16' payable at Gorakhpur. The application should be sent to the mailing address of the course coordinator latest by June 30, 2016. The total number of seats in this course is limited to 30. In view of the limited seats, selection will be made on first come first serve basis.

Course fee:

Course fees for Teachers : ` 500.00

Industry personnel : ` 1000.00

(Course fee includes lecture notes and refreshments during the course.)

Address for Correspondence:

Dr. Amit Kumar Barnwal

Coordinator
(STCAPSET-16)

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Fax: 0551-2270011 Phone: 0551-2273958,6050031

<http://www.mmmut.ac.in>

About University

Madan Mohan Malaviya University of Technology, Gorakhpur (formerly Madan Mohan Malaviya Engineering college, Gorakhpur established in 1962, upgraded to University status in December, 2013) is a residential Technological University established by Government of U. P., with an aim to evolve and impart comprehensive higher education with focus on Applied Science, Engineering, Technology, Management and Allied Areas. The University is situated on state highway Gorakhpur-Deoria road about 8 km from Gorakhpur Railway and 5 Km from Gorakhpur air port. Website : <http://www.mmmut.ac.in>.

About The Department

The Department of Applied Science was established in the year 1962. The Department has well qualified, devoted and dedicated team of teaching staff. The faculty members of Department are actively engaged in research activities in the field of Solid State Physics, Material Science, Polymer Science, Special functions, Boundary value problem and Algebra.

About Gorakhpur

Gorakhpur which derives its nomenclature from the great ascetic saint Gorakhnath is an important city of eastern U.P. It is the head quarter of north-east railways and is well connected by rail and road to all important cities of India. It also connected by air to the metro Politian cities as well. It is about 5 - 6 hours run by road from Lucknow and Varanasi. The city is famous for its well-known Gorakhnath Temple and Gita Press.

A number of historical, cultural and tourist sites lie in the vicinity of town. Kapilvastu, the home town of Lord Buddha, is about 90 km from here. The famous Buddhist site, Kushinagar, the nirvana sthal of Lord Buddha, lies at distance about 50 km. Maghar, the holy place of saint Kabir Das, is very near to Gorakhpur city and Nepal border is at a distance of only 60 km from it.

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REGISTRATION FORM

Full Name & Designation :

Organization :

Field of Specialization :

Official Address :

Email :

Mobile :

Educational Qualification :

Accommodation Required: Guest House/hotel*

Registration Categories: Academic/ Industry

Registration fee: Rs.

Details of Payment : D.D. No.

Bank Name:.....

DatedAmount

(In favour of "STCAPSET-16" payable at Gorakhpur)

Signature:

Signature of Sponsoring Authorities

* Limited accommodation is available in University Guest House. However accommodation in city hotel is available on payment basis. The charges of hotel occupancy shall be born by the participant.