

The Launch of 'Advanced Diploma in Metallurgy and Materials Science'



Metallurgy and Materials Science, an important application area of Mechanical Engineering has primarily been treated as one of the core subjects of study in a diploma course and even in the undergraduate level of Bachelors of Engineering. The application of metallurgy and material science is one of the major areas in all kinds of manufacturing industries, automotive industries, foundries, forging shops, heat treatment shops, etc. The manpower available in these companies ranging from machine operators, line supervisors, quality personnel, etc., are not equipped with the theoretical knowledge of metallurgy and materials. The skills expected of these people, particularly in non-metallurgy, are offered through short term training programmes by companies themselves, or through apprenticeship / probation at the beginning of their career. Hence, there exists a big void in the lack of metallurgy and material science knowledge. Various training personnel, quality control executives, personnel managers and chief executives are all in the search of a formal education in the field of Metallurgy and Material Science.

The Department of Mechanical Engineering of Aarupadai Veedu Institute of Technology (AVIT), under the ambit of Vinayaka Missions University has conceptualised a tailor-made course, taking into consideration the requirements of core and allied industries of metallurgy, materials science and manufacturing.

The Mechanical Engineering Department is offering a one year course “Advanced Diploma in Metallurgy and Material Science” designed by a core team of experienced academicians and metallurgy consultants from industry. The course covers materials and processes involved in melting, hot and cold forming, metal finishing for corrosion resistance as well as wear resistance. It will meet most of the requirements of general engineering, automotive industries and chemical and petroleum industries.

The course was launched on 22nd January, 2011 at a programme conducted for the purpose at The Residency Towers, T. Nagar. The launch programme was presided by Dr. N. R. Alamelu, Principal, Aarupadai Veedu Institute of Technology. Mr. S. Srinivasan, Senior Manager, Centre for Quality Engineering, Ashok Leyland and the President of the Madras Metallurgical Society briefed on the details of the course.

The course regulations and curricula were released by Mr. B. Venkatramani, Executive Director, Sanmar Engineering Corporation and he also delivered the inaugural address. Shri. S. Manikandan, General Manager - Supplier Quality, Chrysler India Automotive Private Ltd, delivered the keynote address.

This course is a one year programme with a package of theory subjects and mandatory practical sessions in Metallurgy and Material Testing. The course also covers visits to core manufacturing industries. Classes pertaining to the course starts from February, 2011.

**ONE YEAR
ADVANCED DIPLOMA IN
METALLURGY AND MATERIAL
SCIENCE**

DEPARTMENT OF MECHANICAL ENGINEERING
(Accredited by NBA)
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY
(AN ISO 9001:2008 INSTITUTION)
OLD MAHABALIPURAM ROAD, PAIYANOOR



VINAYAKA MISSIONS UNIVERSITY
(ESTABLISHED UNDER SEC 3 OF UGC ACT 1956)

IN COLLABORATION WITH



MADRAS METALLURGICAL SOCIETY
THE SOCIETY FOR ASPIRANTS OF METALLURGY AND MATERIAL SCIENCE

VINAYAKA MISSIONS UNIVERSITY

Vinayaka Missions University (VMU) is a pioneering and vibrant university offering a multi-cultural experience with an ambience marked by the perfect harmony of living in diversity. VMU is committed to the vision of imparting quality education focusing on the betterment of society, emphasizing on the ethical values. VMU offers courses in medicine, allied health sciences, engineering, technology, management and computer applications. VMU offers excellent infrastructure and the right ambience to its students and constantly aims at achieving 'Excellence in Education'. The success of the VMU lies in its committed and experienced faculty, state of the art facilities and value based education. The sprawling campus and excellent infrastructure attract students for whom studying in VMU is a rich and rewarding experience.

AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY

Aarupadai Veedu Institute of Technology, AVIT was established in the year 1998 as an affiliated institution under the University of Madras and was later affiliated to Anna University, Chennai. In 2004, the institution was brought under the ambit of Vinayaka Missions University, Salem. Aarupadai Veedu Institute of Technology encompasses a sprawling 48.7 acres campus with a built-up area of 5.65 lakhs sq.ft. AVIT is an ISO 9001:2008 certified institution with the major programmes accredited by the NBA-AICTE. The college is committed to impart quality education to students from different socio-economic backgrounds. It offers under-graduate programmes in 14 different disciplines and five post-graduate programmes including the Master of Computer Applications and Master of Business Administration courses. It also offers part-time programmes both in undergraduate streams and postgraduate streams. The department of mechanical engineering of AVIT is accredited by NBA, AICTE with state of the art laboratories in CAD / CAM, Workshop, Metallurgy, Metrology, Thermal Lab, Fuels and Internal Combustion Engines lab, Fluid Mechanics and Machinery, Automobile Engineering Labs, etc.,.

MADRAS METALLURGICAL SOCIETY

Madras Metallurgical Society (MMS) traces its beginning to a group of conscientious and forward-thinking Metallurgists who met 30 years back to promote the arts and sciences of Metallurgy and Material Science. MMS is progressing strength to strength as a forward looking professional society for the materials community in this region. The activities include from tailor-made in-house courses to suit specific organizations both in English and vernacular, to update latest developments by organized technical lectures and national seminars.

ONE YEAR ADVANCED DIPLOMA IN METALLURGY AND MATERIAL SCIENCE

ADVISORY COMMITTEE & MEMBERS OF BOARD OF STUDIES

Dr.N.R.Alamelu

Principal, AVIT.

Dr.Sundara Ramaprabhu

Prof, IIT Madras.

Dr.N.Krishnaraj,

Senior Metallurgical Consultant

Mr.N.Sambathkumar,

Ambattur Metal Treaters.

Mrs.S.Dhanalakshmi,

Scientist E, CVRDE

Prof.K.V.K.Sastry,

Head, Dept. of Mech Engg., AVIT

N.Lakshminarayanan,

Assoc. Prof, Mech Engg. Dept., AVIT

Dr. (Prof.)Kalyankumar,

Director, AUA, VMU.

Mr.S.Sudharsan,

Vice President, Wheels India Ltd.,

Mr.Srinivasan,

Sr.Manger, CQE, Ashok Leyland

Mr.S.Shanmugam,

Member,R and D, Wabco-TVS.

Mr.Thirugnanam,

Sr.Mgr, Chrysler Automotive India

Mr.Bubesh Kumar,

Assoc. Prof, Mech Engg. Dept., AVIT

SALIENT FEATURES

- Exclusive Programme on Metallurgy and Material Science for both metallurgists and non-metallurgists.
- The classes will be held in Chennai.
- The course covers Materials and Processes involved in melting, hot and cold forming, metal finishing for corrosion resistance as well as wear resistance. It will meet most of the requirements of General Engineering, Automotive, Chemical and Petroleum Industries.
- Keeping non-metallurgists in mind the course is carefully designed to start from the fundamentals and progress to provide adequate knowledge to take right and cost-effective decisions to improve quality and productivity.
- The course will be highly beneficial for designers, material testing laboratory personnel and quality control engineers.
- Course enhances the career ladder in metallurgy field for non-metallurgists.
- Course includes mandatory practical sessions in metallurgy and material testing and visits to core manufacturing industries
- Examinations will be conducted at the end of each semester.
- Diploma shall be awarded by Vinayaka Missions University on successful completion of the course and passing the examination.

COURSE DURATION:

The duration of the programme is one year consisting of two semesters. The classes of the programme shall be conducted during weekends. The maximum duration for the completion of the course is two years.

COURSE ELIGIBILITY:

Bachelor's Degree of this university or any other university or any other qualification recognized as equivalent thereto with specialization in Mechanical Engineering / Automobile Engineering / Metallurgy or Bachelors degree in Science with Material Science / Physics / Chemistry / any relevant specialization or Diploma in Mechanical Engineering / Metallurgy / Automobile Engineering.

HOW TO APPLY:

Applications are available at the University's Corporate Office at Chennai on payment of application fee of Rs. 250/- in the form of DD / Cheque in favour of "Vinayaka Missions University", payable in Chennai or on payment of cash in person from our corporate office.

Applications can also be downloaded from our website.

VINAYAKA MISSIONS UNIVERSITY CORPORATE OFFICE

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