

3 DAYS

**TRAINING PROGRAMME
on
COMPOSITES TECHNOLOGY**

from
4th to 6th MAY 2017

Organized by



**FRP INSTITUTE
NP 23/24 Developed Plot
Ekkattuthangal,
Chennai – 600 032**

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Mobile: +91-98414 26644
+91-94880 68657

Venue

**RAJ PALACE SUNDAR
(Opp. to Sathya Studios)
Andhra Mahila Sabha
#12, Dr.Durgabai Deshmukh Road,
Raja Annamalai Puram,
Chennai – 600 028
044- 24938888, 2464 1234**

URL: www.hotelrajpalacesundar.com

INTRODUCTION

Composite materials have emerged as an important material system for industrial and societal applications. India has a good industrial base for making various products using these materials. However, there is no corresponding effort to impart education for beginners, how to use these materials and manufacture them. FRP Institute is conducting this training programme to give the basic understanding of the technology, manufacturing methods and applications. The aim is to provide the necessary knowledge to take up employment in composites (FRP) industry or enhance knowledge, if already employed in this industry.

Composites Industry, like information technology, is a knowledge driven industry. Hence acquiring the basic knowledge is very essential to be effective in the industry for making world-class products.

The training programme is intended to cover the technology of Fiber Reinforced Plastics (FRP) product manufacture utilizing various manufacturing processes. It consists of lectures, practical work and video demonstrations and a visit to an industry.

COURSE OUTLINE

Thursday 4th May 2017

09:00-10:00hrs. Introduction to Composites Materials
10:00-11:00hrs. Reinforcement fibers.
11:00-11.15hrs. Tea/ Coffee Break
11:15-12:15hrs. Glass fibers.
12:15-13:00hrs. Polyester Resins.
13.00-14.00hrs Lunch
14.00-17.00hrs Practical Demonstration on Materials, laminate making by Hand layup Process

Friday 5th May 2017

09:00-10:30hrs. Epoxy & Phenolic Resins
10:30-10:45hrs. Tea/ Coffee Break
10:45-12:00hrs. Fillers, Additives and Core materials
12:00-13:00hrs. Moulding compounds (DMC, SMC) Prepregs
13:00-14:00hrs. Lunch
14:00-17:00hrs. Practical demonstration on product making, finishing operation, Compression moulding of SMC/DMC,

Saturday 6th May 2017

09:00-10:00hrs. Vacuum infusion methods
10:00-11:00hrs. Pultrusion, Filament winding
11:15-13:00hrs. Sandwich construction
14:00-17:00hrs. Practical demonstration on laminates with stiffeners, sandwich construction and demonstration of vacuum infusion method.

FOR WHOM

This programme is suitable for beginners and also for engineers and technologists who are interested in the manufacture of FRP Products, marketing of FRP raw materials, etc. This programme will also benefit the end-users of FRP in understanding the basic technology. Science graduates who have necessary aptitude for engineering work will also find this programme useful for enriching their knowledge and skill to take up carrier in this field. There is a general shortage of trained composites technologists in the industrial sector. There is no formal education programme in the country to train engineers in the field of composite technology.

FRP Institute, therefore, strongly recommends to the composites industry to depute newly recruited engineers to get trained. This will certainly improve their capability and in turn will help to improve product quality and profitability of the industry.

NEFT/RTGS details for money transfer

Name of the account: **FRP INSTITUTE**

Account No: **10565622775**

Account Type: **Current Account**

IFS CODE: **SBIN0004327**

Name of the bank & branch: **State Bank of India, SME Branch, 1/65-A, GST Road Guindy, Chennai – 600 032.**

REGISTRATION FORM

Name: _____

Designation: _____

Organisation: _____

Address: _____

Tel No: _____

Mobile No: _____

Email: _____

Name of Bank: _____

DD No: _____ Date: _____

Amount Rs: _____

Signature: _____

****Course Fee: Rs. 8500/- which is inclusive of 15% service tax. The demand draft should be in favor of “FRP INSTITUTE., Payable at Chennai. There will be a concession of Rs.1000/- for FRP Institute members. Please forward the registration form together with payment to:**

Dr. A. Selvam

Executive Secretary

FRP INSTITUTE

NP 23/24, Developed Plot,

Ekkattuthangal, Chennai – 600 032

About FRP Institute

FRP Institute is a professional society registered under Govt. of Tamil Nadu Societies Act-1975. It has members from all over India consisting of scientists, composites specialists, fabricators, raw material suppliers, consultants, designers, educational institutions etc. The Institute works in close collaboration with the industries and institutions for upgrading the Composites Technology and to promote the growth of the Indian composites industry. FRP Institute works with the following three main objectives in-order to promote the growth of industry:

- Education & Training
- Technology Upgradation & Quality
- Industrial Growth & Exports

HRD Programme

Well-trained man power is an essential requirement for the rapid growth of composites industry. FRP Institute’s educational and training programmes are created to meet this need. For further details and information on the programme,

Contact:

Dr. A. Selvam

Executive Secretary

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