3 DAYS TRAINING PROGRAMME on COMPOSITES TECHNOLOGY from 04th to 06th July 2019 Organized by

FRP INSTITUTE
NP 23/24 Developed Plot Ekkattuthangal, Chennai – 600032
Email: courses@frpinstitute.org frpinstitute@gmail.com
Website: www.frpinstitute.org Mobile: +91-98414 26644 +91-9677402384

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 04th July 2019
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 05th July 2019
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 06th July 2019
09:00-10:00hrs. Vacuum infusion methods
10:00-11:00hrs. Pultrusion, Filament winding
11:15-13:00hrs. Resin Transfer Moulding
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.

REGISTRATION FORM

Name: ____________________________
Designation: ____________________________
Organisation: ____________________________
Address: ____________________________
Tel No: ____________________________
Mobile No: ____________________________
Email: ____________________________
Name of Bank: ____________________________
DD No: __________Date: __________
Amount Rs: ____________________________
Signature: ____________________________

**Course Fee: Rs. 9400 + 18% GST - Rs. 11092
For Members Rs.8400 + 18% GST- Rs. 9912
GST(33AAATF1026B1ZN). The demand draft should be in favor of "FRP INSTITUTE,",
Payable at Chennai. Please forward the registration form together with payment to:

Dr. A. Selvam
Executive Secretary
FRP INSTITUTE
NP 23/24, Developed Plot,
Ekkattuthangal, Chennai – 600032

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
FRP INSTITUTE
NP 23/24, Developed Plot,
Ekkattuthangal, Chennai – 600 032
Tel: +91 44 42900325
Mobile: +91 - 98414 26644, 9677402384
Email: courses@frpinstitute.org
frp@frpinstitute.org
Visit us: www.frpinstitute.org,
www.icerpshow.com

REGISTRATION FORM

Name: ____________________________
Designation: ____________________________
Organisation: ____________________________
Address: ____________________________
Tel No: ____________________________
Mobile No: ____________________________
Email: ____________________________
Name of Bank: ____________________________
DD No: __________Date: __________
Amount Rs: ____________________________
Signature: ____________________________

**Course Fee: Rs. 9400 + 18% GST - Rs. 11092
For Members Rs.8400 + 18% GST- Rs. 9912
GST(33AAATF1026B1ZN). The demand draft should be in favor of "FRP INSTITUTE,",
Payable at Chennai. Please forward the registration form together with payment to:

Dr. A. Selvam
Executive Secretary
FRP INSTITUTE
NP 23/24, Developed Plot,
Ekkattuthangal, Chennai – 600032

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
FRP INSTITUTE
NP 23/24, Developed Plot,
Ekkattuthangal, Chennai – 600 032
Tel: +91 44 42900325
Mobile: +91 - 98414 26644, 9677402384
Email: courses@frpinstitute.org
frp@frpinstitute.org
Visit us: www.frpinstitute.org,
www.icerpshow.com