



Sandip Foundation's
Sandip Institute of Technology & Research Centre, Nashik
Department Of Civil Engineering
Academic Year 2016-17
Report on One Day Workshop

1. Event Title-One day Workshop On Ferrocement Technology

2. Event Date-15/3/2017

3. Event Conduction Duration-10.00 a.m to 5.00 p.m

4. Event Venue- SITRC Civil Department

5. Event Resource Person Details :-

1)Speaker Name- Dr.B.N.Divekar

Designation-President (Ferrocement Society)

2)Speaker Name- Er. Chandrashekhar Hangekar

Designation-Project Coordinator (Ferrocement Society)

Company Name-Ferrocement Society , India

3)Speaker Name- Er. Chandramohan Hangekar

Designation-Project Coordinator (Ferrocement Society)

Company Name-Ferrocement Society , India

6. Name of Event Coordinator

1) Prof.A.S Jadhav 2) Prof. D.B Mule

7. Event Objective

To make student aware of ferrocement Technology in global environment

8. Event Summary

The inaugural function of Ferrocement Workshop started at 10.30 am in Sandip University , Law School .Among the dignitaries present on dais were Dr.B.N.Divekar (President, Ferrocement Society), Er. Chandramohan Hangekar (Vice President),Er. Chandrashekhar Hangekar (Project coordinator) , Dr .S.T Gandhe (Principal , SITRC) , Dr. P.R Baviskar (Dean Academics), Dr. R.S Patil (Dean Administration) and event Organiser Dr.R.V Kherde (HOD, Civil) . The dignitaries present of the dais were Dr. S.N Patil (HOD, ESH) , Dr. G. M Phade (HOD, E&TC) , Dr. P.G Burade (HOD, Electrical), ,Dr. Amol Potgantwar (HOD,Computer), Prof. J.G Nayak (Associate Professor, Civil), Prof. R.V Thorat (Asst. Professor) of SITRC.

The Lightening of the lamp was done with hands of the dignitaries present on the dais.

The objective of workshop were learning the basics, unique features of the constituent materials, designs, techniques of fabrication and construction, various fields of applications.

In the First session, Er.Chandrashekhar presentation was very informative. He explained the application of Ferrocement in various structures. He said ferrocement walls can save 40 to 60 percent cost against the traditional RCC walls. Right from bungalow entrance gate, swimming pools , pergolas, doors,walls, lintels, stairs, water tanks, and decorative elements can be constructed using ferrocement. He explained the advantages of ferrocement technology . Ferrocement has low weight , it can be fabricated to any shape, low construction material cost , better resistance against earthquake ,basic raw materials are readily available in most countries and making it a durable and ecofriendly material.

The demonstration of ferrocement technique was arranged at the open space in front of Nursery University college building. The skeleton with weld mesh and chicken mesh layers tightened on it was explained to the participants by Er.Chandrashekhar showed the mortar and the filling method of mortar while Dr. B.N Divekar and Er. Chandramohan Hangekar assisted him. Each individual students tried to fill the cement mortar on skeletal mesh. . The participants appreciated that no form work is needed for such construction because the mortar is with held by the layers of the chicken meshes.

After the lunch Er. Chandrashekhar Hangekar and Dr. B.N Divekar continue their presentation on application of ferrocement Technology. Dr. B. N. Divekar then explained about his patented thermo coal sandwiched panel walls and the mass housing concepts using the Ferrocement formwork for beams and columns. He advised the students to have this as a project work. He explained the advantages and construction details of the cavity wall, floor construction. He said there is huge

potential for the precast industry for the fresh engineers after their graduation for becoming entrepreneurs instead of searching any employment

There was a question and answer session in which lot of technical questions on ferrocement and its applications were asked by the student participants and all the questions were answered by Dr. B.N Divekar .

The workshop was fruitful as the students gained a new platform from career point of view. As they have a chance for becoming an entrepreneur and starting a small business or taking-up contracts using the above ferrocement technology instead of a job Society.

We are also thankful to CESA team and all the staff members of Civil Department for their support and guidance for the event to be successful.

9. Event Outcomes

The objectives of the workshop were learning the basics, unique features of the constituent materials, designs, techniques of fabrication and construction, various fields of applications

10. Event photos which must include photos of Inauguration, felicitation, event conduction and valedictory ceremony.





