ICI Student's Chapter - Workshop

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A Report on –

"Application of Glass Fibre Reinforced Concrete" Half Day Workshop" Under ICI Students' Chapter VIIT,Pune on 28th August, 2018.

Indian Concrete Institute (ICI) students' chapter VIIT organized a half day workshop for final year students on Monday, 28th August 2018. The Resource Person Er.Prasad Sevekari –Honorable Secretary- ICI PC and Er. Hemant Joshi Ex – Honorable Secretary-ICI PC were felicitated by Prof.S.L.Gore. The program was initiated under the motive of introduced tools and modern techniques used in field as well as exposed to the latest trend knowledge of the field. The event comprised two sessions: first session 'Information about the 'Application of Fibre Reinforced Concrete' and second session 'Live Demonstration'.

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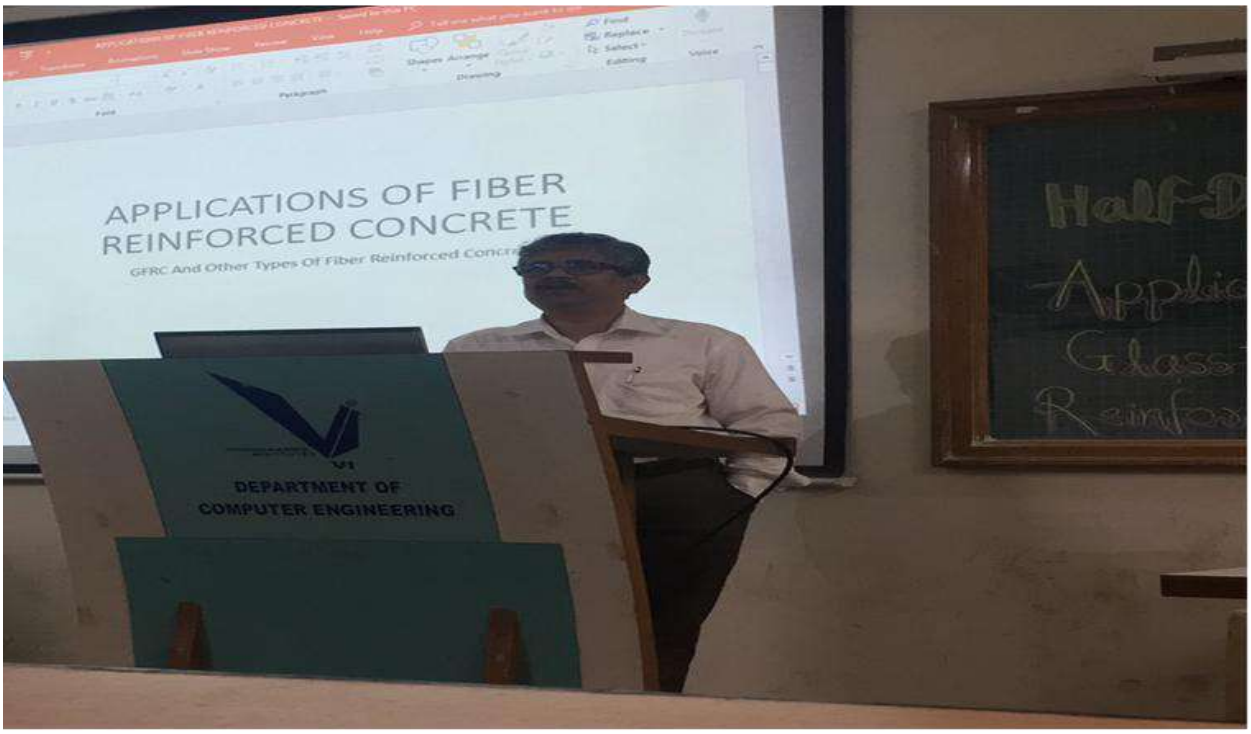
The first section of the program, i.e. an INTERACTIVE TALK, was conducted by Resource Person – Er.Prasad Sevekari. He opened the conversation by questioning and describing about the all types of fibres in construction industry.



- Delivering the lecture by Er.Prasad Sevekari sir

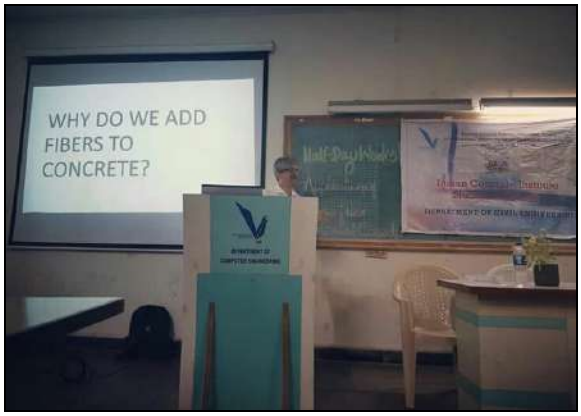
Reinforced concrete and various types of fibres such as -

1. Polymeric fibre- acrylic, polyester.
2. Mineral fibre-glass, basalt.
3. Naturally occurring fibre-bamboo, jute, coconut.
4. Metallic steel fibre- , stainless steel.

He has explained various properties of fibre reinforced concrete as-

1. It is not affected by rain, rust and sunlight.
2. It is not biodegradable.
3. Greater durability.
4. Ease of construction.
5. Economically feasible.

He has illustrated the concept by showing various videos on different types of fibre reinforced concrete. He also showed various structures constructed by them using glass fibre reinforced concrete such as 'Elanta Head Quarters, Pimpri'. The use of fibres in concrete increases the tensile strength of the concrete. Fibre reinforced concrete has flexural strength of 16Mpa and compressive strength of 85Mpa.



- Detail explaination by sir

Advantages of Glass Fibre Reinforced Concrete-

1. It can be easily spread and similar to self curing.
2. Low shrinkage, high flexural strength.
3. Low permeability, high ductility.
4. Strength upto 120Mpa.
5. Resistance to freezing and thawing.

The second session of the program i.e.LIVE DEMONSTRATION of mixing the fibre reinforced concrete and casting the design mould.

➢ Hands on mix design of GFRC

➢ Sample after curing

The vote of thanks in the event was delivered by one of the final year student Ms.Sonali Sonkar.

➢ Group Photo of ICI Members, Faculty VIIT and Core committee members of ICI Students Chapter

Outcome of Programme -

This workshop was very enlightening and we as students would really get benefit out of it and also know the modern techniques used in the field. Special thanks to the Er.Prasad Sevekari for giving us valuable information and exposed the latest trend knowledge of the field. And also thanks to Prof.A.G.Tanawade as well as civil department for arranging such an informative workshop for the final year students.