# Sree Vahini Institute of Science and Technology: Tiruvuru <br> (Approved by AICTE, New Delhi, Affiliated to JNTU, Kakinada) 

DEPARTMENT OF CIVIL ENGINEERING

## REPORT ON TWO DAY SEMINAR ON "HIGH PERFORMANCE MATERIALS \& SMART MATERIALS IN STRUCTURES"

Event type: seminar on "high performance materials \& smart materials in structures
Date/Duration: 13-02-2020 To14-02-2020/ 2 days
Resource persons: Mr.B.Chandra Sekhar-JE
Name of the coordinators: Mr. M. TULASI SAI, Assistant professor, Department of CIVIL Engineering

## Total Number of participants: 112

## Objective of the event:

India is witnessing construction of very interesting projects in all sectors of Infrastructure. High rise structures, under construction, include residential/commercial blocks up to a height of 320 m and RC chimneys for thermal power stations extending upwards up to 275 m . High performance concrete is a concrete mixture that has higher durability and high strength than conventional concrete. This concrete consists of one or more cementitious materials such as fly ash, silica fume or ground granular blast furnace slag and usually a superplasticizer. The use of certain mineral and chemical admixtures such as silica fume and superplasticizer greatly enhance strength, durability and practicality properties. In this two-day seminar students are able to understand high performance concrete.

## Outcome of the Event:

1. Understand the characteristic features of advanced construction technology
2. Know various engineering properties of high-performance concrete
3. Recognize the mechanisms of degradation of concrete structures and to design durable concrete structures
4. Understand the methods of strengthening methods for concrete structures
5. Different case studies are analyzed
6. Identify and apply appropriate structural and construction technologies

## Feed Back/Suggestions:



## ATTENDANCE REPORT




