



PSN ENGINEERING COLLEGE

Melathedyoor, Palayamkottai Taluk, Tirunelveli District, Pin - 627 152.

(Approved by AICTE and Affiliated to Anna University)

An ISO 9001 : 2015 Certified Institution

Website : www.psnec.ac.in Email : principal@psnec.ac.in

☎ 04634-279078, 279079 Fax : 04634-279078

ISO 9001 : 2015



Ref No-PSNEC/2022-2023/CIVIL-III,IV/SEM/PL-06

Date: 12-10-2022

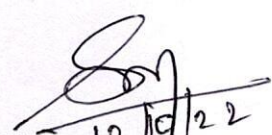
Permission Letter


Sub: Seeking Permission to Conduct seminar on Civil engineering reg.

The Civil Engineering department is planned to conduct Seminar on **Civil engineering** for III, IV year Students in this academic year 2022-2023 on **18th OCT2022** at Seminar Hall, PSN Engineering College.

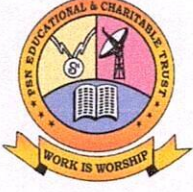
Hence, we are seeking permission to conduct the above stated seminar.

Thanking you,


12/10/22
HOD / Civil Engineering


PRINCIPAL
Dr. M.S. RAVIKUMAR
Principal
PSN ENGINEERING COLLEGE
Melathedyoor, Palayamkottai Taluk,
Tirunelveli District

Head of the Department
Department of Civil Engineering
PSN Engineering College
Tirunelveli - 627152



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Date: 12-10-2022

Circular

The Department of Civil Engineering is organizing Seminar in **Civil Engineering** for III, IV year students for Academic Year 2022-2023.

The date is scheduled for **18th OCT2022** at Seminar Hall, PSN Engineering College

PRINCIPAL
12/10/22
Dr. M.S. RAVIKU
Principal
PSN ENGINEERING COLLEGE
Melathediyoor
Tirunelveli

Copy to

1. Director (Academic)
2. Director IQAC
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DEPARTMENT OF CIVIL ENGINEERING

SEMINAR ON FIBRE REINFORCED CEMENT CONCRETE

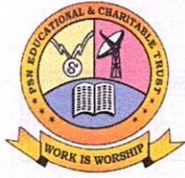
Name of the Course/Program	SEMINAR ON FIBRE REINFORCED CEMENT CONCRETE
Conducted on	From 18 OCT 2022 (no. of Days) 1
Duration (Minimum 30 hrs)	1.30hrs
Venue	PSNEC Civil Department Seminar Hall
Number of Participants	27
Dept/Year/Semester	Civil/ III,IV/ V,VII
Resource Person (s) Details	Ms.N.Makeshwari AP/Civil /PSNEC
Objective of the Course / Program	To Fiber-reinforced concrete is ideal for improving the durability and toughness performance of concrete and mortar. Fibers in concrete help reduce shrinkage cracks, increase strength, increase energy absorption and reduces dangerous spalling at high temperatures.

REPORT ON FIBRE REINFORCEMENT CONCRETE:

Department of civil engineering of PSNEC organized a seminar on “**FIBRE REINFORCED CEMENT CONCRETE**” on OCT 18th, 2022 in PSNEC Civil Department Seminar hall. The Fiber Reinforced Concrete is a composite material consisting of fibrous material which increases its structural integrity. to the student of Civil Engineering.

The Program started at 1:30 pm with the welcome address given by respected **Dr.G.Satish Pandian** (IQAC Director), followed by Inaugural address given by **Dr.M.S.Ravikumar** (Principal PSNEC), Felicitation Address given by **Dr.N.Prabhu** (Director PSNEC).

The Civil Department Assistant Professor **Ms.N.Makeshwari** delivered lecture on “**FIBRE REINFORCED CEMENT CONCRETE**” It includes mixtures of cement, mortar or concrete and discontinuous, discrete, uniformly dispersed suitable fibers. Fibers are usually used in concrete to control cracking due to plastic shrinkage and to drying shrinkage.



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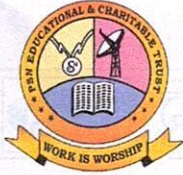
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Seminar presentation by Ms.N.Makeshwari AP/Civil on OCT 18th,2022 at PSNEC Civil department Seminar hall



Students Interactions with Seminar presenter Ms.N.Makeshwari,AP/Civil on 18th OCT 2022 at PSNEC Civil department Seminar hall



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Steel fiber is a metal reinforcement. A certain amount of steel fiber in concrete can cause qualitative changes in concrete's physical property. It can greatly increase resistance to cracking, impact, fatigue, and bending, tenacity, durability, and others. For improving long-term behavior, enhancing strength, toughness, and stress resistance, SFRC is being used in structures such as flooring, housing, precast, bridges, tunneling, heavy-duty pavement, and mining. This **FIBRE REINFORCED CEMENT CONCRETE** topic is very useful for B.E Students project in related to concrete.

SUMMARY:

- A one day seminar on Fibre reinforcement concrete was conducted in Department of Civil Engineering. The seminar starts on **18th oct 2022 at 1:30 pm.**
- The seminar was handled by **Ms.N.Makeshwari** On that Session the students learn about focused on Concrete Types, Fibre reinforced concrete (FRC) is cementing concrete reinforced mixture with more or less randomly distributed small fibers.
- The use of continuous reinforcement is as old as reinforced concrete; the use of short, discrete reinforcing elements is relatively new, although the significance of the fibre geometry and the need to improve the fibre shape to obtain adequate fibre-matrix bond was recognized more than fifty years ago.
- In spite of these early attempts to apply the ideas of composite action to building materials, the development and practical usage of fibre-reinforced cement composites, like reinforced earth, is barely two decades old.


20/10/22
HOD/CIVIL

S.Mispa Brown)

Head of the Department
Department of Civil Engineering
PSN Engineering College
Tirunelveli - 627152


20/10/22
DIRECTOR /IQAC

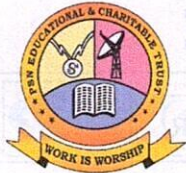
(Dr.G.Satish Pandian)

Dr.G.Satish Pandian
Professor of Mech & Auto
Director - IQAC
PSN Engineering College,
Tirunelveli 627152


PRINCIPAL

(Dr.M.S.Ravikumar

Dr. M.S. Ravikumar
Principal
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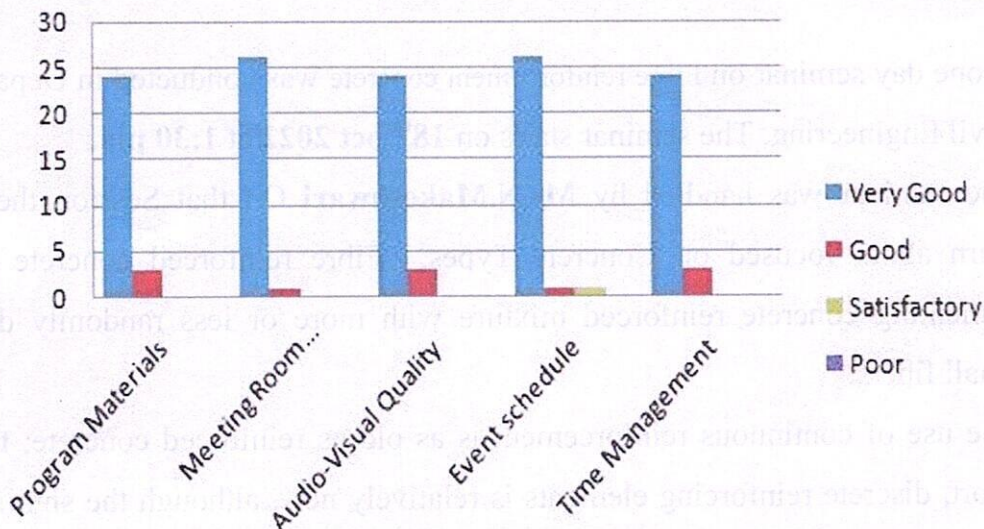
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DEPARTMENT OF CIVIL ENGINEERING

FEEDBACK ANALYSIS FOR ON FIBRE REINFORCED CEMENT CONCRETE

FEEDBACK ANALYSIS



PRINCIPAL
(Dr. M. S. Rajaraman)

DR. G. SATHISH PANDIAN
Professor of Mech & Auto
Director - IQAC
PSN Engineering College,
Tirunelveli 627152
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HEAD OF THE DEPARTMENT
Department of Civil Engineering
PSN Engineering College
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