

# PSN ENGINEERING COLLEGE

Melathediyoor, 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



## GUEST LECTURE ON GREEN CONCRETE

Date: 02-03-2018

Lr:No:- PSNEC/2018-19/CIVIL/GUEST LECTURE/PR - 04

### PERMISSION LETTER

Respected Sir,

It is proposed to conduct a Program on “Guest Lecture on Green Concrete on 14<sup>th</sup> of March 2018”.

Kindly provide your valuable permission for conducting the program on Guest Lecture on Green Concrete on the above said date.

By

*Raveey*  
2/3/18

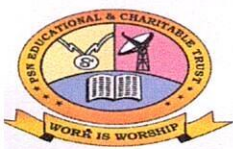
I/C HOD of Civil Department

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

*M.S. Ravikumar*  
PRINCIPAL

Dr. M.S. RAVIKUMAR  
Principal

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## GUEST LECTURE ON GREEN CONCRETE

Date: 09-03-2018

Lr:No:-PSNEC/ 2018-19/ CIVIL/GUEST LECTURE /Cr - 04


### CIRCULAR

All staff and students of PSNEC informed that a program on “**Guest Lecture on Green Concrete**” will be conducted on **14/03/2018** at **01.45 pm** at PSNEC Civil Department Lecture Hall.

All are request to attend the program.

CC-

- i) Director
- ii) Director -IQAC
- iii) HOD AUTOMOBILE, CIVIL, CSE, ECE, IT, MECH, MECH & AUTO, MBA, S&H, PD
- iv) Library
- v) Hostel warden

  
PRINCIPAL  
Dr. M.S. RAVIKUMAR  
Principal  
PSN ENGINEERING COLLEGE  
Melathediyoar, Palayamkottai  
Tirunelveli - 627 152



## DEPARTMENT OF CIVIL ENGINEERING

### GUEST LECTURE ON GREEN CONCRETE

Name of the Course/Program	<b>GUEST LECTURE ON GREEN CONCRETE</b>
Conducted on	<b>14 March 2018</b>
Duration (Minimum 30 hrs)	<i>1 Day (1hr 45mins)</i>
Venue	<i>PSNEC Civil Department Lecture Hall</i>
Number of Participants	44
Dept/Year/Semester	<i>Civil II/ III/ VI SEM / V SEM</i>
Resource Person (s) Details	<b>RTN Er.N.Esakki</b> , S.K construction, Tirunelveli.
Objective of the Course / Program	1. To a multicollinearity-aware multi-objective optimization (MA-MOO) framework was developed to minimize the main environmental issues and the cost of production of green concrete, while preserving the compressive strength in a desirable range with the help of machine learning modeling. 2. To A novel set of constraints were proposed to restrain the search space and eliminate the known statistical trap of multicollinearity.

### REPORT:

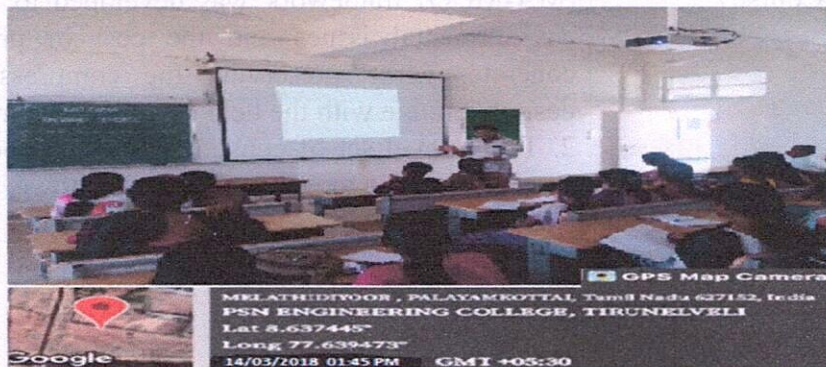
PSN ENGINEERING COLLEGE Civil Department organized a Guest Lecture on “GREEN CONCRETE” on 14<sup>th</sup> March 2018 in PSNEC Civil Department lecture hall.

The Program started at 1:45 pm with the, followed by Inaugural address given by **Dr.M.S.Ravikumar** (Principal PSNEC), Felicitation Address given by **Dr.N.Prabhu** (Director PSNEC).

So much innovation has ensued in the concrete industry in the last decade, especially in terms of ensuring concrete sustainability and its green initiatives. A call for sustainability is imminent in the industry as the production of Ordinary Portland Cement (OPC) which is the main binder of concrete contributes about 8% to the world's human-induced carbon dioxide emission. In addition, the production of concrete has posed a huge threat on natural deposits of raw materials.

Green concrete is defined as a concrete which uses waste material as at least one of its components, or its production process does not lead to environmental destruction. It should also have high performance and life cycle sustainability. In other words, green concrete is an environment friendly concrete. Green concrete improves the three pillars of sustainability environmental, economic, and social impacts. The key factors that are used to identify whether the concrete is green are: amount of Portland cement replacement materials, manufacturing process and methods, performance and life cycle sustainability impacts. This **GUEST LECTURE ON GREEN CONCRETE** topic is very useful and Students project in related to concrete.

## PHOTO GALLERIES OF GUEST LECTURE ON GREEN CONCRETE



*Lecture presentation by RTN Er.N.Esakki, S.K construction, Tirunelveli on 14<sup>th</sup> March 2018 at PSNEC Civil department Lecture Hall*



*Students Interactions with Lecture presenter RTN Er.N.Esakki, S.K construction, Tirunelveli on 14<sup>th</sup> March 2018 at PSNEC Civil department Lecture hall*



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## SUMMARY:

- The guest lecture on **GREEN CONCRETE** was successfully conducted in our college Department of Civil Engineering on **14<sup>th</sup> March 2018 at 1:45 pm.**
- The Guest Lecture was handled by **RTN Er.N.Esakki**, S.K construction, Tirunelveli on that Session the students learn about focused on network system.
- PSN Engineering College students from civil department attended the seminar
- It is a concept of thinking environment into concrete considering every aspect from raw materials manufacture over mix design to structural design, construction, and service life.

*R. Suresh*  
23/3/18

**HOD/CIVIL**

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

*G. Satish Pandian*  
23/3/18

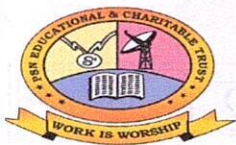
**DIRECTOR / IQAC**

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

*M.S. Ravikumar*

**PRINCIPAL**

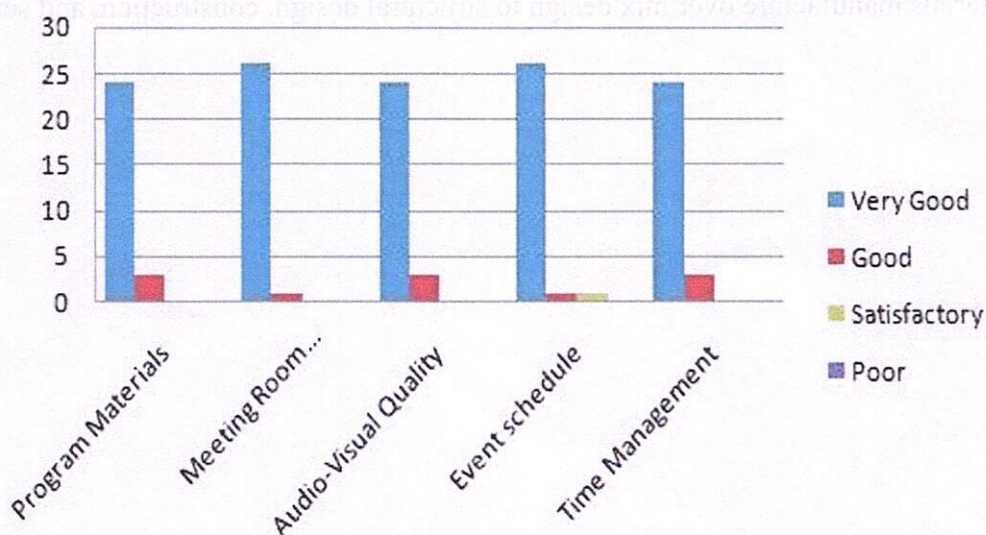
**Dr. M.S. RAVIKUMAR**  
Principal  
PSN ENGINEERING COLLEGE  
Melathediyoor, Palayamkottai  
Tirunelveli - 627 152



## DEPARTMENT OF CIVIL ENGINEERING

### FEEDBACK ANALYSIS FOR GUEST LECTURE ON GREEN CONCRETE

### FEEDBACK ANALYSIS



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

Head of the Department  
Department of Civil Engineering  
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