RESEARCH ARTICLE



Combustion characteristics of briquette fuels from sorghum panicle-pearl millets using cassava starch binder

Sampathkumar Velusamy 1 D · Anandakumar Subbaiyan 1 · Ramesh Srikrishnaperumal Thangam 2

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Abstract

The utilization of agricultural wastes is an attractive and viable option to reduce the environmental pollution and reverse the overexploitation of fossil fuels. Now-a-days, the usage of fossil fuels has increased manifold causing twin serious problems such as depletion of limited source of fossil fuels and increase in environmental pollution with major consequences. In this study, briquettes were produced using sorghum panicles (SP) and pearl millet (PM) with different ratios (100:0, 10:90, 20:80, 30:70, 40:60, 50:50, 60:40, 70:30, 80:20, 90:10 and 0:100) using cassava starch as a binder with a planned compacting pressure level (200 kN) by exploring hydraulic compression method. The proximate parameters such as water content, level of fixed carbon, ash and volatile matter were determined using American Society for Testing and Materials (ASTM) standard procedures. The elemental analyses (SEM/EDAX) which include carbon (C), oxygen (O), potassium (K), calcium (Ca), chlorine (Cl), sulphur (S), phosphorus (P), aluminium (Al), silicon (Si), magnesium (Mg), cobalt (Co), iron (Fe), zinc (Zn) and sodium (K) were determined in all the briquette samples. Weight loss and optimum heating values of the samples were measured by adopting differential scanning calorimetry (DSC) and thermogravimetric analysis (TGA) respectively. In addition to that, the density and compressive strength of all the produced briquettes were determined. In comparison with pongamia-tamarind shell, sorghum panicle-pearl millet briquettes have better fuel properties. The pongamia-tamarind shell fuel has nitrogen and hydrogen whereas sorghum panicle-pearl millet has no identities on both nitrogen and hydrogen content. The occurrence of nitrogen absence is due to non-availability of NOx emissions during combustion. By the cause of more fixed carbon composition, there exists lack in hydrogen content. The sorghum panicle-pearl millet briquettes have better calorific value than pongamia-tamarind shells, and they produce better heating values. Hence, the prepared biomass briquettes are potentially good fuels that derived from agro wastes. Likewise, the determined parameters are compared with the other biomass briquettes.

Keywords Sorghum panicle—pearl millet \cdot Biomass briquettes \cdot Proximate parameters \cdot Elemental analysis (SEM/EDAX) \cdot TGA-DSC analysis

Introduction

The biomass from the biological background supports the government in producing bioenergy and utilizing the same (Purohit and Chaturvedi 2018). After the separation of grains,

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the remaining portion of the crop is said to be crop residue (Mamvura and Danha 2020). It is the fact that air pollution is caused mostly by burning of agricultural wastes, but an efficient use of it can minimize the air pollution considerably. The agricultural wastes are recycled in order to provide a useful renewable resource of energy in the form of briquettes. Addition of admixtures or binders is utilized as it does not cause air pollution and deforestation. These wastes mainly include jute sticks, groundnut shells, cotton stalks, coffee husk, rice hulls, mustard stalks, bagasse, and coir pith (Vijaya Lakshmi 2017; Akkolia et al. 2018). For rectifying this issue, a new product called biomass briquette can be produced by pressurizing with binding agents on the loose materials of agricultural wastes as an alternative for the fossil fuel. Besides, the replacement of coal and fossil fuel briquettes is







Article

Structural Retrofitting of Corroded Reinforced Concrete Beams Using Bamboo Fiber Laminate

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Abstract: Corrosion creates a significant degradation mechanism in reinforced concrete (RC) structures, which would require a high cost of maintenance and repair in affected buildings. However, as the cost of repairing corrosion-damaged structures is high, it is therefore pertinent to develop alternative eco-friendly and sustainable methods. In this study, structural retrofitting of corroded reinforced concrete beams was performed using bamboo fiber laminate. Three reinforced normal weight concrete beams were produced, two of which were exposed to laboratory simulated corrosion medium, and the remaining one sample served as control. Upon completion of the corrosion cycle, one of the two corroded beams was retrofitted externally with a prefabricated bamboo fiber laminate by bonding the laminate to the beam surface with the aid of an epoxy resin. The three beams were subjected to loading on a four-point ultimate testing machine, and the loads with corresponding deflections were recorded through the entire load cycle of the beams. Finally, the mass loss of embedded steel reinforcements was determined to measure the effect of corrosion on the beams and the steel. The result showed that corroded beams strengthened with bamboo laminates increase the bearing capacity. Using a single bamboo laminate in the tensile region of the corroded beam increased the ultimate load capacity of the beam up to 21.1% than the corroded beam without retrofit. It was demonstrated in this study that the use of bamboo fiber polymer for strengthening destressed RC beams is a more sustainable approach than the conventional synthetic fibers.

Keywords: concrete repair; sustainable materials; corrosion control; fiber laminate; structural failure; bamboo laminate



Citation: Awoyera, P.O.; Nworgu, T.A.; Shanmugam, B.; Prakash Arunachalam, K.; Mansouri, I.; Romero, L.M.B.; Hu, J.-W. Structural Retrofitting of Corroded Reinforced Concrete Beams Using Bamboo Fiber Laminate. *Materials* 2021, 14, 6711. https://doi.org/10.3390/ma14216711

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1. Introduction

Reinforced concrete is a widely used composite construction material that employs steel usage due to its remarkable tensile properties that help in the overall performance of the composite material. Steel has strong tensile properties, which allows it to be used in reinforced concrete and makes its relationship with concrete a mutually beneficial one. However, steel corrosion compromises this relationship and threatens to negatively change this relationship [1]. Steel is a thermodynamically unstable human-made occurring metal that deteriorates to return itself to a more stable natural state via corrosion. Steel corrosion in RC structures causes significant losses to a nation's economy. Losses of 4–5% of the

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Research Article

A Study on the Effect of Hollow Tubular Flange Sections on the Behavior of Cold-Formed Steel Built-Up Beams

Balaji Shanmugam , Manikandan Palanisamy , Paul O. Awoyera , Senthilnathan Chinnasamy, and Mahalakshmi Subramaniam

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This paper deals with a study conducted on flexural behavior of cold-formed steel built-up I-beams with hollow tubular flange sections. There were two types of test sections, namely, built-up sections that were assembled with either stiffened or unstiffened channels coupling back-to-back at the web and a hollow tubular rectangular flange at the top and bottom of the web to form built-up I-beam. The flexural behavior along with the strength and failure modes of the built-up sections was examined using the four-point loading system. Nonlinear finite element (FE) models were formulated and validated with the experimental test results. It was observed that the developed FE models had precisely predicted the behavior of built-up I-beams. Further, the verified FE models were used to conduct a detailed parametric study on cold-formed steel built-up beam sections with respect to thickness, depth, and yield stress of the material. The flexural strength of the beams was designed using the direct strength method as specified in American Iron and Steel Institute (AISI) for the design of cold-formed steel structural members and was compared with the experimental results and the failure loads predicted from FE models. Since the results were not conservative, a new customized design equation had been mooted and delineated in the study for determining the flexural strength of cold-formed steel built-up beams with hollow tubular flange sections.

1. Introduction

Cold-formed steel (CFS) sections have been transformed as inherent elements in the construction and building industry due to CFS products that have a larger strength to weight ratio, enhanced stiffness, mass production, and speedy and simple installation [1, 2]. With the advent of aluminum/zinc coating, the applications of CFS sections have become widespread across the world. The CFS built-up sections commonly have single or double symmetric shapes with stiffening lips on flanges and unstiffened or stiffened webs.

Quite a large number of investigations have been carried out in the recent past on the behavior and design of CFS beams under different loading conditions. Wang et al. [3] have optimized the cross-sectional shapes of CFS beams and beam-columns by considering the axial load and the bending moment for a single-symmetric section. Yuan et al. [4] and Moen and Schafer [5] have investigated the buckling behavior of CFS beams with holes in the web. Wang and Young [6] have studied the behavior of CFS built-up section beams with different screw arrangements. Ma et al. [7] also have suggested design equations for CFS tubular beams. However, it is observed that CFS hollow flange built-up sections are structurally more competent than the usual open channel sections [8]. The flexural performance of conventional built-up sections can be enhanced by means of hollow flange sections as a large amount of mass is placed away from the strong section axis [9].

In early 1990s, the hollow flange beams with better buckling capacities for their distinct shape were first

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Name: **K Jeevitha Pranusha** Ref. : UTP/CSD/SMO/VRAP/KEC/15/2021

Institution: **Kongu Engineering College, India** Date: 15th January 2021

Dear student,

OFFER LETTER: UTP VIRTUAL RESEARCH ATTACHMENT PROGRAMME (VRAP)

We are pleased to inform that your application to participate in Universiti Teknologi PETRONAS Virtual Research Attachment Programme has been accepted.

Details of program are as follow:

Name of : **Dr Husna Binti Takaijudin**

supervisor

Topic : Design and Analysis of Urban Drainage System using EPA-

SWMM odel

Course : Civil Engineering

Duration : 20 January 2021 – 19 March 2021



Name: Abisha Katherin R

Ref. : UTP/CSD/SMO/VRAP/KEC/16/2021

Institution: Kongu Engineering College, India

Date: 15th January 2021

Dear student.

OFFER LETTER: UTP VIRTUAL RESEARCH ATTACHMENT PROGRAMME (VRAP)

We are pleased to inform that your application to participate in Universiti Teknologi PETRONAS Virtual Research Attachment Programme has been accepted.

Details of program are as follow:

Name of Supervisor : Dr Wesam Salah Alaloul

Topic

: Off Site Fabrecation Construction System and BIM Integration

Course

: Civil Engineering

Duration

: 20 January 2021 - 19 March 2021

CERTIFICATE

CERTIFICATE of Completion

This is to certify that

ABISHA KATHERIN R

from

KONGU ENGINEERING COLLEGE, INDIA

has successfully completed

Virtual Research Attachment Program from 20 January 2021 to 19 March 2021

Universiti Teknologi PETRONAS Topic:

Off Site Fabrication Construction System and BIM Integration

Dr. Wesam Salah Alakul Supervisor Civil & Environmental Ergineering Universiti Tekndogi PETRONAS

Assoc. Prof. Dr. Nulldia Bt Mansor Senior Director Centre for Student Development Universiti Tekndogi PETRONAS





Ref. : UTP/CSD/SMO/VRAP/KEC/18/2021

Name: Amarnath .A Date: 15th January 2021 Institution: Kongu Engineering College, India

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We are pleased to inform that your application to participate in Universiti Teknologi PETRONAS Virtual Research Attachment Programme has been accepted.

Details of program are as follow:

Name of Supervisor : Prof Dr Nasir Shafiq

: Sustainable Building Design LEED RATING SYSTEM Topic

: Civil Engineering Course

: 20 January 2021 - 19 March 2021 Duration

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Universiti Teknologi PETRONAS Topic; Sustainable Building Design LEED RATING SYSTEM

Clark Prof Dr. Nasir Shafiq

Supervisor Senior Director
Civil & Environmental Engineering Centre for Student Development Universiti Tekndogi PETRONAS

Assoc. Prof. Dr. Nurldia Bt Mansor Universiti Tekndogi PETRONAS



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Name: Ananya.5

Institution Kongu Engineering College, India

: UTP/CSO/SMO/VRAP/XEC/19/2021 Ref.

Date 15th January 2021

Dear student.

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We are pleased to inform that your application to participate in University Teknologi PETRONAS Virtual Research Attachment Programme has been accepted.

Details of program are as follow:

Name of Supervisor : Dr Teh Hee Min

Topic Assessment of Wave Energy Resources in Palawan Island Course

: Civil Engineering

Duration : 20 January 2021 - 19 March 2021

This offer is subject to the following conditions:

1. Rules and work expectations.

- 1.1 While working remotely, students must adhere to all the terms and conditions.
- 1.2 Student may be eligible to work if their duties can be met through basic hardware and software agreed with Supervisor, they have proven to be trustworthy, disciplined, and selfmotivated, and have been given permission by the institution.
- 1.3 Students must follow the work schedules provided to them, be sure to meet deadlines, uphold high-quality standards, and submit the requested reports.
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- 2.3 Meetings shall be scheduled for at least once a week. Times are to be discussed and agreed

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from

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Virtual Research Attachment Program from 20 January 2021 to 19 March 2021

Universiti Teknologi PETRONAS

Topic: Assessment of Wave Energy Resources in Palawan Island

Supervisor

Assoc Prof. Dr. Nurlidio Bt Mansor Senior Director

Civil & Environmental Engineering Centre for Student Development Universiti Teknologi PETRONAS Universiti Teknologi PETRONAS





Name: J. Angeline Monica Ref. : UTP/CSD/SMO/VRAP/KEC/21/2021

Institution: Kongu Engineering College, India Date: 15th January 2021

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We are pleased to inform that your application to participate in Universiti Teknologi PETRONAS Virtual Research Attachment Programme has been accepted.

Details of program are as follow:

Name of Supervisor : Dr Muslich Hartadi Sutanto

Topic : Simulating the Impact of Cornering Maneuver on Bituminous

Pavement Performance

Course : Civil Engineering

Duration : **20 January 2021 – 19 March 2021**

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- 1.1 While working remotely, students must adhere to all the terms and conditions.
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- 2.3 Meetings shall be scheduled for at least once a week. Times are to be discussed and agreed upon between the Supervisor and student.

3. Insurance and liability.

- 3.1 Students are advised to choose a safe and secure location to work from, and to maintain high levels of safety.
- 3.2 UTP is not liable for injuries suffered in the pre-defined workspace during work hours.

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 - b. Student fail to meet programme requirements, terms, and conditions.

This offer is made subject to you being given approval by your Institution and been accepted by UTP researchers to supervise you with the agreed topic.

Please confirm your acceptance by fill in the online acceptance form provided in your email by **22**nd **January 2021**. If we do not receive reply from you by then, this offer will be automatically considered void.

Thank you.

Yours sincerely,

Assoc Prof Dr Nurlidia Bt Mansor Senior Director

Centre for Student Development

Universiti Teknologi PETRONAS



Name: Arshiya .S Ref.: UTP/CSD/SMO/VRAP/KEC/23/2021

Institution: Kongu Engineering College, India Date: 15th January 2021

Dear student,

OFFER LETTER: UTP VIRTUAL RESEARCH ATTACHMENT PROGRAMME (VRAP)

We are pleased to inform that your application to participate in Universiti Teknologi PETRONAS Virtual Research Attachment Programme has been accepted.

Details of program are as follow:

Name of Supervisor : Dr Ho Yeek Chia

Topic : Design for Drinking Water Treatment Plant

Course : Civil Engineering
Duration : 20 January 2021 – 19 March 2021



NLC INDIA LIMITED 'NAVRATNA'- GOVERNMENT OF INDIA ENTERPRISE NEYVELI, TAMILNADU

CERTIFICATE

This is to certify that the Project report entitled "MANUFACTURE OF CONCRETE WITH PARTIAL REPLACEMENT OF FINE AGGREGATE BY BOTTOM ASH/MINES SAND, AT PRECASTING YARD, NLCIL" is done by S.AVENTHIKA (17CER025) in partial fulfilment of the requirement for the award of Bachelor Degree in "CIVIL ENGINEERING" from "KONGU ENGINEERING COLLEGE, PERUNDURAI". The project was done during the period from 08.02.2021 to 08.03.2021 at PRECASTING YARD, NLCIL, NEYVELI.

> K. RAGUPATHY CPF No.31433 Add Chief Manager/Civil Precasting yard, Block-4

(K.RAGUPATHY)

Precasting yaru, Disveli. ADDITIONAL CHIEF MANAGER, NLC India Ltd., Neyveli. PDECETTIONAL CHIEF MANAGER,

(EXTERNAL GUIDE)

PLACE: NEYVELI

DATE: 8/03/2021

CHIEF MANAGER,

Learning & Development Center,

NLC India Limited, Neyveli.

K. PANDIYAN CHIEF MANAGER / L&DC NLC India Ltd., Negvell.



Name: Dhinaharan .R

Institution: Kongu Engineering College, India

UTP/CSD/SMO/VRAP/KEC/17/2021

Date: 15th January 2021

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We are pleased to inform that your application to participate in Universiti Teknologi PETRONAS Virtual Research Attachment Programme has been accepted.

Details of program are as follow:

Name of Supervisor :

Dr Wesam Salah Alaloul

Topic

Construction Waste Management

Course

Civil Engineering

Duration

20 January 2021 - 19 March 2021

This offer is subject to the following conditions:

1. Rules and work expectations.

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2. Communication.

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- 5.2 Information and documents furnished to UTP must be true and correct.
- 5.3 Students shall not disclose, divulge, and make public, for whatever purpose or reason any information received from UTP, without specific written permission from UTP. "Confidential Information" shall mean any and all information, data, design, memoranda, models, prototypes, and/or other material whether of scientific, technical, commercial, financial or other nature, furnished to or obtained by the students from UTP, in written, oral or other tangible form clearly marked or designated as "Confidential" or orally or visually obtained during VRAP.

6. Cancellation of Offer

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 - b. Student fail to meet programme requirements, terms, and conditions.

This offer is made subject to you being given approval by your Institution and been accepted by UTP researchers to supervise you with the agreed topic.

Please confirm your acceptance by fill in the online acceptance form provided in your email by 22nd January 2021. If we do not receive reply from you by then, this offer will be automatically

Thank you.

Yours sincerely,

Assoc Prof Dr Nurlidia Bt Mansor Senior Director Centre for Student Development Universiti Teknologi PETRONAS

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Name: **Dhivya Priya T** Ref. : UTP/CSD/SMO/VRAP/KEC/24/2021

Date: 15th January 2021 Institution: Kongu Engineering College, India

Dear student,

OFFER LETTER: UTP VIRTUAL RESEARCH ATTACHMENT PROGRAMME (VRAP)

We are pleased to inform that your application to participate in Universiti Teknologi PETRONAS Virtual Research Attachment Programme has been accepted.

Details of program are as follow:

Name of Supervisor : Prof Dr Nasir Shafiq

Topic : Innovative Structural System for Super Tall Building
Course : Civil Engineering
Duration : 20 January 2021 – 19 March 2021



Name: A. J. Elavarasan Ref. : UTP/CSD/SMO/VRAP/KEC/20/2021

Institution: Kongu Engineering College, India Date : 15th January 2021

Dear student,

OFFER LETTER: UTP VIRTUAL RESEARCH ATTACHMENT PROGRAMME (VRAP)

We are pleased to inform that your application to participate in Universiti Teknologi PETRONAS Virtual Research Attachment Programme has been accepted.

Details of program are as follow:

Name of Supervisor : Dr Teh Hee Min

Topic : Design of an Oscillating Water Column for Harvesting Of Wave

Energy

Course : Civil Engineering

Duration : 20 January 2021 – 19 March 2021



Name: Geethanjali .N

Institution: Kongu Engineering College, India

Ref.

UTP/CSD/SMO/VRAP/KEC/26/2021

Date: 15th January 2021

Dear student,

OFFER LETTER: UTP VIRTUAL RESEARCH ATTACHMENT PROGRAMME (VRAP)

We are pleased to inform that your application to participate in Universiti Teknologi PETRONAS Virtual Research Attachment Programme has been accepted.

Details of program are as follow:

Name of Supervisor :

Prof Dr Shamsul Rahman Bin M Kutty

Topic

Estimation of Runoffs from Logging Activities through Digital

Maps

Course

: Civil Engineering

Duration

: 20 January 2021 – 19 March 2021

CERTIFICATE

CERTIFICATE of Completion

This is to certify that

GEETHANIALI .N

from

KONGU ENGINEERING COLLEGE, INDIA

has successfully completed

Virtual Research Attachment Program from 20 January 2021 to 19 March 2021

Universiti Teknologi PETRONAS Topic:

Study on Runoff Estimation from Logging Activities Lojing, Kelantan, Malaysia

Prof Dr. Shamsul Rahman Bin M Kutty Supervisor Civil & Environmental Engineering

Universiti Tekndogi PETRONAS

Assac. Prof. Dr. Nurlidia Bt Mansor Senior Director

Centre for Student Development Universiti Tekndogi PETRONAS





Name: Prakadhesh N D

Institution: Kongu Engineering College, India

: UTP/CSD/SMO/VRAP/KEC/28/2021

Date: 15th January 2021

Dear student,

OFFER LETTER: UTP VIRTUAL RESEARCH ATTACHMENT PROGRAMME (VRAP)

We are pleased to inform that your application to participate in Universiti Teknologi PETRONAS Virtual Research Attachment Programme has been accepted.

Details of program are as follow:

Name of Supervisor : Dr Ahmad Mahamad Al-Yacouby

Topic

: Stress Analysis on Free Standing Risers Subjected to Vortex

Induced Vibrations-Finite Element Analysis

Course -

: Civil Engineering

Duration

: 20 January 2021 - 19 March 2021

TEKNOLOGI

PETRONAS

CERTIFICATE

CERTIFICATE of Completion

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PRAKADHESH N D

from

KONGU ENGINEERING COLLEGE, INDIA

has successfully completed

Virtual Research Attachment Program from 20 January 2021 to 19 March 2021

Universiti Teknologi PETRONAS Topic:

Stress Analysis on Free Standing Risers Subjected to Vortex Induced Vibrations-Finite Element Analysis

Supervisor

Civil & Environmental Engineering Universiti Tekndogi PETRONAS

Upper and Lewer Tapered Joins

Top deer assembly

Dr. Ahmad Mahamad Al-Yacouby Assoc. Prof. Dr. Nurlidia Bt Mansor Senior Director

Centre for Student Development Universiti Tekndogi PETRONAS



Name: Prince D Ref. : UTP/CSD/SMO/VRAP/KEC/29/2021

Institution: Kongu Engineering College, India Date : 15th January 2021

Dear student,

OFFER LETTER: UTP VIRTUAL RESEARCH ATTACHMENT PROGRAMME (VRAP)

We are pleased to inform that your application to participate in Universiti Teknologi PETRONAS Virtual Research Attachment Programme has been accepted.

Details of program are as follow:

Name of Supervisor : Dr Ahmad Mahamad Al-Yacouby

Topic : Dynamic Analysis of Floating Offshore Solar Farms-Numerical

Modelling

Course : Civil Engineering

Duration : 20 January 2021 – 19 March 2021

This offer is subject to the following conditions:

1. Rules and work expectations.

- 1.1 While working remotely, students must adhere to all the terms and conditions.
- 1.2 Student may be eligible to work if their duties can be met through basic hardware and software agreed with Supervisor, they have proven to be trustworthy, disciplined, and self-motivated, and have been given permission by the institution.
- 1.3 Students must follow the work schedules provided to them, be sure to meet deadlines, uphold high-quality standards, and submit the requested reports.
- 1.4 Flexibility is allowed, but the students must agree to work set hours as much as possible, five days a week. Performance and progress will be measured weekly.
- 1.5 Tools will be made available by Supervisor to students for managing time and tasks, communicating, logging, and tracking projects, and accessing resources.

2. Communication.

- 2.1 Students are to be online and accessible during agreed time set by Supervisor.
- 2.2 Any correspondence must be answered as per requested and tools for communicating with team on projects shall be decided earlier with Supervisor.
- 2.3 Meetings shall be scheduled for at least once a week. Times are to be discussed and agreed upon between the Supervisor and student.

3. Insurance and liability.

- 3.1 Students are advised to choose a safe and secure location to work from, and to maintain high levels of safety.
- 3.2 UTP is not liable for injuries suffered in the pre-defined workspace during work hours.

4. Intellectual Property Right

4.1 UTP asserts and claims the right, title and/or interest to all Intellectual Property created by Students during VRAP as detailed out in UTP Intellectual Property and Commercialisation Policy.

5. Security and confidentiality.

- 5.1 Upon start, securing data and research information should be students' utmost concern. Any breaches in security protocol will lead to strict and swift disciplinary action.
- 5.2 Information and documents furnished to UTP must be true and correct.
- 5.3 Students shall not disclose, divulge, and make public, for whatever purpose or reason any information received from UTP, without specific written permission from UTP. "Confidential Information" shall mean any and all information, data, design, memoranda, models, prototypes, and/or other material whether of scientific, technical, commercial, financial or other nature, furnished to or obtained by the students from UTP, in written, oral or other tangible form clearly marked or designated as "Confidential" or orally or visually obtained during VRAP.

6. Cancellation of Offer

- 6.1 UTP reserves the rights to withdraw the offer in the event:
 - a. Any information/document(s) furnished to UTP was found to be untrue.
 - b. Student fail to meet programme requirements, terms, and conditions.

This offer is made subject to you being given approval by your Institution and been accepted by UTP researchers to supervise you with the agreed topic.

Please confirm your acceptance by fill in the online acceptance form provided in your email by **22**nd **January 2021**. If we do not receive reply from you by then, this offer will be automatically considered void.

Thank you.

Yours sincerely,

Assoc Prof Dr Nurlidia Bt Mansor

Senior Director

Centre for Student Development

Universiti Teknologi PETRONAS



Name: Saranprasath M Ref. : UTP/CSD/SMO/VRAP/KEC/22/2021

Institution: Kongu Engineering College, India Date: 15th January 2021

Dear student,

OFFER LETTER: UTP VIRTUAL RESEARCH ATTACHMENT PROGRAMME (VRAP)

We are pleased to inform that your application to participate in Universiti Teknologi PETRONAS Virtual Research Attachment Programme has been accepted.

Details of program are as follow:

Name of Supervisor : Dr Muslich Hartadi Sutanto

Topic : Simulating the Impact of Extreme Temperature on Bituminous

Pavement Performance

Course : Civil Engineering

Duration : 20 January 2021 – 19 March 2021

This offer is subject to the following conditions:

Rules and work expectations.

- 1.1 While working remotely, students must adhere to all the terms and conditions.
- 1.2 Student may be eligible to work if their duties can be met through basic hardware and software agreed with Supervisor, they have proven to be trustworthy, disciplined, and self-motivated, and have been given permission by the institution.
- 1.3 Students must follow the work schedules provided to them, be sure to meet deadlines, uphold high-quality standards, and submit the requested reports.
- 1.4 Flexibility is allowed, but the students must agree to work set hours as much as possible, five days a week. Performance and progress will be measured weekly.
- 1.5 Tools will be made available by Supervisor to students for managing time and tasks, communicating, logging, and tracking projects, and accessing resources.

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- 2.2 Any correspondence must be answered as per requested and tools for communicating with team on projects shall be decided earlier with Supervisor.
- 2.3 Meetings shall be scheduled for at least once a week. Times are to be discussed and agreed upon between the Supervisor and student.

3. Insurance and liability.

- 3.1 Students are advised to choose a safe and secure location to work from, and to maintain high levels of safety.
- 3.2 UTP is not liable for injuries suffered in the pre-defined workspace during work hours.

4. Intellectual Property Right

4.1 UTP asserts and claims the right, title and/or interest to all Intellectual Property created by Students during VRAP as detailed out in UTP Intellectual Property and Commercialisation Policy.

5. Security and confidentiality.

- 5.1 Upon start, securing data and research information should be students' utmost concern. Any breaches in security protocol will lead to strict and swift disciplinary action.
- 5.2 Information and documents furnished to UTP must be true and correct.
- 5.3 Students shall not disclose, divulge, and make public, for whatever purpose or reason any information received from UTP, without specific written permission from UTP. "Confidential Information" shall mean any and all information, data, design, memoranda, models, prototypes, and/or other material whether of scientific, technical, commercial, financial or other nature, furnished to or obtained by the students from UTP, in written, oral or other tangible form clearly marked or designated as "Confidential" or orally or visually obtained during VRAP.

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Please confirm your acceptance by fill in the online acceptance form provided in your email by 22nd January 2021. If we do not receive reply from you by then, this offer will be automatically considered void.

Thank you.

Yours sincerely,

Assoc Prof Dr Nurlidia Bt Mansor

Senior Director

Centre for Student Development Universiti Teknologi PETRONAS

CERTIFICATEof Completion

This is to certify that

SARANPRASATH M

from

KONGU ENGINEERING COLLEGE, INDIA

has successfully completed

Virtual Research Attachment Program

from 20 January 2021 to 19 March 2021

at

Universiti Teknologi PETRONAS

Topic:

Simulating the Impact of Extreme Temperature on Bituminous Pavement

Performance

Dr. Muslich Hartae Sutanto Supervisor

Civil & Environmental Engineering
Universiti Tekndogi PETRONAS

Assoc. Prof. Dr. Nurlidia Bt Mansor Senior Director UNIVERSIT

TEKNOLOGI

PETRONAS

Centre for Student Development Universiti Tekndogi PETRONAS



03-Mar-2021 Kanimozhi Selvaraj B.Tech/B.E. Civil Engineering Kongu Engineering College ,Erode

Dear Kanimozhi,

Further to our offer for the position of Programmer Analyst Trainee and in response to your confirmation into the Internship opportunity we had extended, we are pleased to offer you an **Internship** with us for **a period of 3 to 6 months**, during which you will be offered a stipend Amount of **INR 12000/-** per month based on the Internship performance and completion.

Actual Internship dates and duration would be based on the business demand aligned skill tracks offered to you and would be shortly communicated to you.

Cognizant Internship being a pre joining skill and capability development program, it would form a critical part of your employment with Cognizant.

You will undergo a learning curriculum as per the learning track assigned to you. The learning path will include in-depth sessions, hands on exercise and project work. There will also be series of webinars, quizzes, SME interactions, mentor connects, code challenges, assessments etc. to accelerate your learning. The performance during Internship would be monitored through formal evaluations.

The Cognizant Internship completion would qualify as the entry criteria to your post joining training program and would be used as basis towards your allocation to projects/roles.

Prior to joining Cognizant, you must successfully complete the prescribed Internship program. In event of non-completion of the Internship, Cognizant may at its sole discretion revoke this offer of employment.

Please also note that:

- The Internship Training will be done from Monday through Friday for 8 hours from 9 am to 6 pm (IST).
- Interns are covered under Cognizant's calendar holidays of the respective location of internship and you would need to adhere with attendance requirements. Pre-approvals are to be sought towards unavoidable leave or break requests from the program.
- There would be zero tolerance to plagiarisms and misconduct during the internship.
- You would be required to ensure timely completion and submission of assignments, project work and preparation required prior to the sessions.
- You may be required, to travel to other locations within India if there is a business need as per your internship plan
- Cognizant reserves clauses regarding IT infra if applicable and access to information and material of Cognizant during the period and could modify or amend the Cognizant GenC program terms and conditions from time to time

At the time of your reporting for the internship, you will be required to sign a Non - Disclosure Agreement with the company. During the course of your Internship and after completion of the same, you are required to maintain strictest confidentiality with respect to company proprietary or products that you access or come into contact with, during your project as an Intern, at all times as per our Policy. Use of company proprietary information or products shall not be made without prior permission from the concerned authority.

You will also be required to submit the following documents at the time of reporting;

Photocopy of your Passport & Visa



- Photocopy of your Certificates / Mark Sheets in support of your Educational Qualification(s)
- 2 Passport-size photographs
- Pan Card
- Aadhar Card
- Personal individual bank account from a nationalized bank for processing stipend

Please do not hesitate to call us for any information you may need. We wish you good luck.

Yours sincerely,

For Cognizant Technology Solutions India Pvt. Ltd.,

Suresh Bethavandu

S. Duy

Global Head-Talent Acquisition

I accept the terms and conditions of the offer as mentioned above.

Signature: Date:



03-Mar-2021 Karthikeyan M B.Tech/B.E. Civil Engineering Kongu Engineering College ,Erode

Dear Karthikeyan,

Further to our offer for the position of Programmer Analyst Trainee and in response to your confirmation into the Internship opportunity we had extended, we are pleased to offer you an **Internship** with us for a **period of 3 to 6 months**, during which you will be offered a stipend Amount of **INR 12000/-** per month based on the Internship performance and completion.

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Please do not hesitate to call us for any information you may need. We wish you good luck.

Yours sincerely,

For Cognizant Technology Solutions India Pvt. Ltd.,

Suresh Bethavandu

S. Duy

Global Head-Talent Acquisition

I accept the terms and conditions of the offer as mentioned above.

Signature: Date:



03-Mar-2021 Mugeshkumar Loganathan B.Tech/B.E. Civil Engineering Kongu Engineering College ,Erode

Dear Mugeshkumar,

Further to our offer for the position of Programmer Analyst Trainee and in response to your confirmation into the Internship opportunity we had extended, we are pleased to offer you an **Internship** with us for a **period of 3 to 6 months**, during which you will be offered a stipend Amount of **INR 12000/-** per month based on the Internship performance and completion.

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Please do not hesitate to call us for any information you may need. We wish you good luck.

Yours sincerely,

For Cognizant Technology Solutions India Pvt. Ltd.,

Suresh Bethavandu

S. Duy

Global Head-Talent Acquisition

I accept the terms and conditions of the offer as mentioned above.

Signature: Date:



03-Mar-2021 Pragathieswari S B.Tech/B.E. Civil Engineering Kongu Engineering College ,Erode

Dear Pragathieswari,

Further to our offer for the position of Programmer Analyst Trainee and in response to your confirmation into the Internship opportunity we had extended, we are pleased to offer you an **Internship** with us for a **period of 3 to 6 months**, during which you will be offered a stipend Amount of **INR 12000/-** per month based on the Internship performance and completion.

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Please do not hesitate to call us for any information you may need. We wish you good luck.

Yours sincerely,

For Cognizant Technology Solutions India Pvt. Ltd.,

Suresh Bethavandu

S. Duy

Global Head-Talent Acquisition

I accept the terms and conditions of the offer as mentioned above.

Signature: Date:



03-Mar-2021
Praveen S R
B.Tech/B.E. Civil Engineering
Kongu Engineering College ,Erode

Dear Praveen.

Further to our offer for the position of Programmer Analyst Trainee and in response to your confirmation into the Internship opportunity we had extended, we are pleased to offer you an **Internship** with us for a **period of 3 to 6 months**, during which you will be offered a stipend Amount of **INR 12000/-** per month based on the Internship performance and completion.

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Please do not hesitate to call us for any information you may need. We wish you good luck.

Yours sincerely,

For Cognizant Technology Solutions India Pvt. Ltd.,

Suresh Bethavandu

S. Duy

Global Head-Talent Acquisition

I accept the terms and conditions of the offer as mentioned above.

Signature: Date:



03-Mar-2021 Ranjani S B.Tech/B.E. Civil Engineering Kongu Engineering College ,Erode

Dear Ranjani,

Further to our offer for the position of Programmer Analyst Trainee and in response to your confirmation into the Internship opportunity we had extended, we are pleased to offer you an **Internship** with us for a **period of 3 to 6 months**, during which you will be offered a stipend Amount of **INR 12000/-** per month based on the Internship performance and completion.

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Please do not hesitate to call us for any information you may need. We wish you good luck.

Yours sincerely,

For Cognizant Technology Solutions India Pvt. Ltd.,

Suresh Bethavandu

S. Duy

Global Head-Talent Acquisition

I accept the terms and conditions of the offer as mentioned above.

Signature: Date:



03-Mar-2021 Sudharsana V B.Tech/B.E. Civil Engineering Kongu Engineering College ,Erode

Dear Sudharsana.

Further to our offer for the position of Programmer Analyst Trainee and in response to your confirmation into the Internship opportunity we had extended, we are pleased to offer you an **Internship** with us for a **period of 3 to 6 months**, during which you will be offered a stipend Amount of **INR 12000/-** per month based on the Internship performance and completion.

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Yours sincerely,

For Cognizant Technology Solutions India Pvt. Ltd.,

Suresh Bethavandu

S. Duy

Global Head-Talent Acquisition

I accept the terms and conditions of the offer as mentioned above.

Signature: Date:



03-Mar-2021 Vignesh Kumar K B.Tech/B.E. Civil Engineering Kongu Engineering College ,Erode

Dear Vignesh Kumar,

Further to our offer for the position of Programmer Analyst Trainee and in response to your confirmation into the Internship opportunity we had extended, we are pleased to offer you an **Internship** with us for **a period of 3 to 6 months**, during which you will be offered a stipend Amount of **INR 12000**/- per month based on the Internship performance and completion.

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- There would be zero tolerance to plagiarisms and misconduct during the internship.
- You would be required to ensure timely completion and submission of assignments, project work and preparation required prior to the sessions.
- You may be required, to travel to other locations within India if there is a business need as per your internship plan
- Cognizant reserves clauses regarding IT infra if applicable and access to information and material of Cognizant during the period and could modify or amend the Cognizant GenC program terms and conditions from time to time

At the time of your reporting for the internship, you will be required to sign a Non - Disclosure Agreement with the company. During the course of your Internship and after completion of the same, you are required to maintain strictest confidentiality with respect to company proprietary or products that you access or come into contact with, during your project as an Intern, at all times as per our Policy. Use of company proprietary information or products shall not be made without prior permission from the concerned authority.

You will also be required to submit the following documents at the time of reporting;

Photocopy of your Passport & Visa



- Photocopy of your Certificates / Mark Sheets in support of your Educational Qualification(s)
- 2 Passport-size photographs
- Pan Card
- Aadhar Card
- Personal individual bank account from a nationalized bank for processing stipend

Please do not hesitate to call us for any information you may need.

We wish you good luck.

Yours sincerely,

For Cognizant Technology Solutions India Pvt. Ltd.,

Suresh Bethavandu

Global Head-Talent Acquisition

I accept the terms and conditions of the offer as mentioned above.

Signature: Date:



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Three days Webinar on

An overview on 3R Technology to Post Construction Distress in Buildings

12th - 14th August, 2020



3R TECHNOLOGY

Mrs. R.S. Gandhimathi
Associate Professor & Head- Civil
Annapoorana Engineering College, Salem.
12/08/2020 @ 11.30AM to 12.30PM



2451

CONCRETE CORROSION AND ITS PREVENTIVE TECHNIQUES Dr. G.S. Rampradheep

Associate Professor,
Department of Civil Engineering,
Kongu Engineering College Perundurai, Erode district.
13/08/2020 @ 11.30AM to 12.30PM



NON DESTRUCTIVE TESTING TECHNIQUES Dr.K.Vidhva

Professor & Head,
Department of Civil Engineering
Mahendra Engineering College, Tiruchengode.
14/08/2020 @ 11.30AM to 12.30PM

Convenor

Dr. A. Anbuchezian Principal

Co-convenor

Prof. R.S. Gandhimathi Civil Department

Organizers

Mr. S. Sathish kumar - 9790428776 Mr. R. A. Shivasakthivadivelan 9489249494 Mrs. N. Shilpa





E-Certificate for all Participants.



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Saravanampatti, Coimbatore

Department of Civil Engineering & Civil Engineering and Planning

Webinar on

Sustainable Concrete

Date: 01.08.2020 Time: 11.00 A.M



Resource Person

Dr.G.S.Rampradheep,

Associate Professor,

Department of Civil Engineering,

Kongu Engineering College,

Perundurai,

Erode.

https://meet.google.com/kwaw-kftr-ngd

Google Meet

Co-ordinators

Mr.G.Ramasamy Assistant Professor Dr.K.Thirumalai Raja HoD/Civil & CEP Ms.R.Priya Assistant Professor

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Dr. SNS College



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https://tinyurl.com/snsct-feedback



Organized by: Department of Electronics and Communication Engineering
Coordinators: V. SENTHIL, Assistant Professor, Mobile Number: 9715441113



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DEPARTMENT OF CIVIL ENGINEERING

FACULTY DEVELOPMENT PROGRAMME ON

Research Paper Drafting, Funding & Patent Methodologies

July 02 - 04, 2020



RESOURCE PERSONS



Dr. R. Malathy
Professor & Dean (R&D)
Head of the Department
Department of Civil Engineering
Sona College of Technology, Salem.

Topic of the session:
"Art of Research Paper Writing"
Date: 02.07.2020



Dr. G. L. Sathyamoorthy
Professor
Department of Civil Engineering
Kumaraguru College of Technology
Coimbatore

Topic of the session:

"Funding Opportunities for Researchers"

Date: 03.07.2020



Or. G. S. Rampradheep
Associate Professor
Department of Civil Engineering
Kongu Engineering College
Erode

Topic of the session:

"IPR and its Importance"

Date: 04.07.2020

- ✓ No registration fee
- ✓ E-certificates will be provided for all active participants
- ✓ Online Platform:
 Google Meet & Youtube Live Telecast
- √ Timing: 11.00 AM 12.00 PM

Registration Link:

https://forms.gle/wdgJN2i55qhsTtL58 To Note:

The session links will be circulated to the registered participants a day before the commencement of the programme

FOR ANY QUERY PLEASE CONTACT

Mobile: +91-9865164865 Email: manoj@drngpit.ac.in



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DEPARTMENT OF CIVIL ENGINEERING

In Association with



FIVE DAYS WEBINAR ON

"Sustainble Development in Structural Engineering"



SUSTAINABLE CONCRETE THROUGH THE EFFECTIVE USE OF INDUSTRIAL WASTES



Ву

Dr. P. Dinakar, HOD

IIT, Bhubaneswar

(pdinakar@iitbbs.ac.in)

On **20.07.2020** @**10** am to **11.30** am

SUSTAINABLE CONCRETE: IN FUTURE

Ву



Dr. G.S. Rampradheep,Asso. Prof.

Kongu Engineering College

(rampradheep@kongu.ac.in)

On **20.07.2020** @ **11.30am to 1pm**

DAY 2

FRACTURE TOUGHNESS OF COMPOSITES AND METAL ALLOYS



Ву

Dr. M. Gattu, Asst. Prof.

NIT Rourkela

gattum@nitrkl.ac.in

On **21.07.2020** @**10** am to **11.30** am

ENERGY DISSIPATION TECHNIQUES FOR PROTECTION OF CIVIL ENGINNERING STRUCTURES



By

Dr. D. Das, Asso. Prof.

NIT Durgapur

(d diptesh@yahoo.com)

On **21.07.2020** @ **11.30** am to 1pm

DAY 3

CHARACTERIZATION AND DEVELOPMENT OF ECO-FRIENDLY CONCRETE

Ву



Dr. A.K. Samanta, HOD NIT, Durgapur

(amiyak.samanta@ce.nitd gp.ac.in)

On **22.07.2020** @**10** am to **11.30** am

CONNECTING YOUNG CIVIL ENGINEERING
MINDS TO NEWER AND ROBUST
TECHNOLOGIES TO MITIGATE RCC/PSC
CORROSION -KEY TO SUSTAINABLE
CONCRETE STRUCTURE

Dr. S. K.Mo



Βv

(info@sunandaglobal.com)

On **22.07.2020** @**11.30** am to 1pm



DAY 4

EARTHQUAKE RESISTANT DESIGN OF RC BUILDINGS



Ву

Dr. P. Sarkar, Professor NIT Rourkela

(sarkarp@nitrkl.ac.in)

On **23.07.2020** @**10 am** to 11.30 am

CONCRETE THE WONDER MATERIAL MOSTLY DEPLOYED FOR MODERN CONSTRUCTION



Ву

Shri. Satish C. Dhupelia, Past President & Head -Student Chapters, IC-ACI

(satishcdhupelia@yahoo.c om)

On 23.07.2020 @11.30 am to 1pm

DAY 5

CONSERVATION OF INDIAN HERITAGE STRUCTURES – A SUSTAINABLE EFFORT



Ву

Mr. Chetan R. Raikar, Past President, IC-ACI

(<u>chetan.raikar@structwel.c</u> om)

On **24.07.2020** @**10** am to **11.30** am

DURABILITY ASSESSMENT TECHNIQUES AND PREDICTION OF PERFORMANCE LIFE OF STRUCTURES



Ву

Dr. Yogini Deshpande, Director, IC-ACI

(yogini@renukac.com)

On **24.07.2020** @**11.30** am to 1pm

FINISHING SCHOOL FOR FRESH CIVIL ENGINEERS









AGENDA - 15 DAYS PROGRAMME

WEEK 1

	Welcome Note	Dr M Z Shaikh	
MONDAY	About ICACI	Saurabh Manjrekar	
15/06/20	Finishing school	Prof Vinod Vanvari	
6:30 pm - 7:30 pm	Key note Address	Er Satish Dhupelia	
	ZOOM Session	Shirin - Fave HR Solutions	
TUESDAY	Business ethics and etiquettes	Anitha S	
16/06/20 6:30 pm - 7:30 pm	What's App Session	Fave HR Solutions	
0.30 pm - 7.30 pm	•		
WEDNESDAY 17/06/20	Introduction to Special concretes	Dr G.S.Rampradeep	
6:30 pm - 7:30 pm	Google classroom	Asst Professor Kongu Engg college	
		Kongo Engg college	
THURSDAY 18/06/20	Negotiation skills	Anitha S	
6:30 pm - 7:30 pm	What's App Session	Fave HR Solutions	
FRIDAY	Business communication	Anitha S	
19/06/20	What's App Session	Fave HR Solutions	
6:30 pm - 7:30 pm	What's App Session		
SATURDAY	Check on Construction materials	Mr Chetan Raikar	
20/06/20 6:30 pm - 7:30 pm	ZOOM Session	CMD Structwel	
0.50 рні 7.50 рні	200M 363310H	Ex President ICACI	
SUNDAY	Repair, Rehabilitation of Pavements,	Dr Vishal Thombare	
21/06/20	Ultra Thin White Topping	MCGM	
11:00 am - 12:00 pm	ZOOM Session		

FINISHING SCHOOL FOR FRESH CIVIL

ENGINEERS

AGENDA - 15 DAYS PROGRAMME











MONDAY 22/06/20 6:30 pm - 7:30 pm	Time management What's App Session	Anitha S Fave HR Solutions
TUESDAY 23/06/20 6:30 pm - 7:30 pm	Email Etiquettes What's App Session	Anitha S Fave HR Solutions
WEDNESDAY 24/06/20 6:30 pm - 7:30 pm	High performance concrete Google classroom	Dr Ambika, Kongu Engineering college
THURSDAY 25/06/20 6:30 pm - 7:30 pm	Business meetings What's App Session	Anitha S Fave HR Solutions
FRIDAY 26/06/20 6:30 pm - 7:30 pm	Conflict management What's App Session	Anitha S Fave HR Solutions
SATURDAY 27/06/20 6:30 pm - 7:30 pm	Winning attitude What's App Session	Anitha S Fave HR Solutions
SUNDAY 28/06/20 11:00 am - 12:00 pm	 Campus to corporate Resume making/ Linkedin Profile building What's App Session 	Anitha S Fave HR Solutions

FINISHING SCHOOL FOR FRESH CIVIL

ENGINEERS

AGENDA - 15 DAYS PROGRAMME





WEEK 3





MONDAY 29/06/20 6:30 pm - 7:30 pm	Presentation skills Canva – How to create engaging presentations and present them with confidence What's App & Zoom Session	Anitha S - Fave HR Solutions Yoheswaran Gnanavel Lead - Marketing and Partnerships, Canva
TUESDAY 30/06/20 6:30 pm - 7:30 pm	Why Capstone Projects? ZOOM Session	Praveen H J Fave HR Solutions

THANK YOU!



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From
Dr.R.Malathy,
Professor & Head of the Department,
Department of Civil Engineering,
Sona College of Technology,
Salem – 636005.

To
Dr. P.S. Kothai,
Professor & Head,
Department of Civil Engineering,
Kongu Engineering College,
Perunduari.

Respected Mam,

Sub: Thanking for presenting a webinar on Lean Construction Management - Reg.

We thank you for delivering a presentation to our students on the webinar topic "Lean Management Construction" on 20.06.2020. Your presentation on the topic lean management was very useful to our students. The information in your speech and the additional reference material you provided were fascinating in a need of hour.

We hope that our students gained knowledge and utilize that in future. Once again we thank you for sparing your precious time and shared your knowledge with us.

Thanking you,

Place: Salem

Date: 24.06.2020

Dr. R. IVIAL Alarhy

Head Of The Department.

Dean (R&D) of Civil Engg.

Sona College of Technology,

SALEM-636 005.

Yours Sincerely/



Join with Google Meet https://meet.google.com/pin-midw-ygp

'INTRODUCTION TO SPECIAL CONCRETES'

Webinar on 16th June 2020 (Tuesday)

@ 10:30 am - 11:30 am



Resource Person:

Dr. G.S.RAMPRADHEEP

Associate Professor,

Department of Civil Engineering,

Kongu Engineering College.

Organized by

Department of Civil Engineering

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EVENT COORDINATORS

Mrs. L. REENA - 9488392524

Ms. K. SURIYA PRABHA - 9626946943



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RATHAN V MOORTHY PRINCIPAL

Date: 20.11.2020

To

Dr.P.S.Kothai
Professor and Head
Department of Civil Engineering
Kongu Engineering College
Perundurai

Warm Greetings,

I am very happy to invite Dr.D.Ambika, Associate Professor, Department of Civil Engineering, Kongu Engineering College, as a resource person for the Webinar on Construction Technology - Perspective on Systems, Practice and Management to our Final year B.Arch Students on 23.11.2020, 02:00 PM (IST) through online mode and the meet ID is https://meet.google.com/gtw-ptvy-bgc

Thank You for your kind support.

Principal

Phone: 04294 - 226567, 226569

E-mail: ksa@kongu.ac.in; Website: www.ksakongu.edu.in



HOD Civil Engineering Thu 11/12/2020 6:35 PM Get Outlook for Android

From: Principal Kongu Engineering College <principal@kongu.ac.in>

Sent: Thursday, November 12, 2020 4:28:14 PM

To: HOD_Civil Engineering <hod_civil@kongu.ac.in>; Arul S. <registrar@kongu.ac.in>

Subject: Fw: Fwd:

Dr. V. Balusamy BE (Hons), MTech, PhD Principal Kongu Engineering College Perundurai 638 060.

Ph: 04294220583 Mobile: 9942820583

email: principal@kongu.ac.in

From: Hod CIVIL < hod.civil@mec.edu.in>

Sent: Wednesday, November 11, 2020 7:00 AM

To: Principal Kongu Engineering College <principal@kongu.ac.in>

Subject: Fwd:

To

The Principal, Kongu Engineering College Perundurai, Erode - 638060.

Dear Sir

Subject: Requisition letter for deputing Dr.K.Nirmalkumar as a chief guest for Seminar

As I request you to invite and send your college professor Dr.K.Nirmalkumar, department of civil engineering deputed as chief guest for the seminar series named as "Introduction to surveying" for that herewith i have attached the requisition letter for your kind reference, please find the attachment

----- Forwarded message ---

From: Hod CIVIL < hod.civil@mec.edu.in>

Date: Wed, Nov 11, 2020 at 6:36 AM

Subject: Fwd:

To: <nirmalkumar@kongu.ac.in>

INVITATION FOR CONDUCTING WEBINAR-REGD

Inboxx

Civil Engineering HOD <hod.civil@pmctech.org>

Sun, Aug 23, 1:42 PM (20 hours ago)

to nirmalkumar, me

Dear Sir,

Greetings from PMC TECH. It is our pleasure to invite you to the Webinar on "Prestressed Concrete Structures" for Final Year & Third year civil engineering students in our campus on 24.08.2020 from 11am to 12.30pm.

We hopefully look forward to the enlightenment of our students by your presence.

Submitteel to the Principal
Webinas (Non Remuneration)

Requisition for Guest Lecture Reg.



HoD Civil <hodcivil@gct.org.in> Tue, Jul 28, 8:21 PM (13 days ago)

to me

Dear Sir,

We Department of Civil Engineering organizing online Faculty Development Program (FDP) - "Emerging Advancements in Diverse Fields of Civil Engineering" from 11.08.2020 to 15.08.2020 [11.00 a.m to 12.00 p.m] is being conducted on behalf of Gnanamani College of Technology, Namakkal, Tamilnadu, India.

In this regard you are invited to deliver a lecture of your choice for a duration of 1: 00 - 1: 30 hours. We request you to kindly accept our invitation and acknowledge the same.

A detailed schedule for the presentation shall be intimated to you shortly.

With Regards

Prof.K.MADHESWARAN, M.E., (Ph.D) Head of The Department Department of Civil Engineering Gnanamani College of Technology Rasipuram (Tk) Namakkal (Dt) Contact No: 8056683103

Suburthed hothe Principal Non Remunerative

Session is on 11/08/2020 (11 am - 12.00 Pm)

Lo/08/2020



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E-mail: porkumaran@ieee.org, principal@drngpit.ac.in, porkumaran@gmail.com.

Dr. K. PORKUMARAN M.E. Ph.D. FIE. SMIEEE MISTE MACM. MBMESL. Principal

July 15, 2020

To
Dr.K.Nirmalkumar,
Professor,
Department of Civil Engineering,
Kongu Engineering College,
Erode.
nirmalkavi1979@gmail.com

Dear Sir.

We are happy to inform that the Department of Civil Engineering is organizing a Faculty Development Program on "Precast and Prestressed Concrete Structures" during 20th to 25th July 2020, we would like to invite you as a resource person for session on "Prestressed Concrete - An Overview" on 22nd July 2020 and we would be privileged if you could share your rich experience with the faculty members.

Kindly accept our request and please let us know your availability.

Thanking You,

Yours faithfully,

Dr.K.Porkumaran

DE K. PERKURIARAN, M.E. Ph.O. SMIEEE, MISTE, MIE., PRINCIPAL

DENGIP INSTITUTE OF TECHNOLOGY

Submitted to the Principal
Non-Remunerative

Combators E

bory.

M

keynote address for FDP - Reg rajkannan marimuthu <rajkannanmuthupec@paavai.edu.in> Wed 7/1/2020 2:25 PM

Respected Sir/Madam,

We are happy to intimate that our Paavai Engineering College, Department of Civil Engineering have planned to conduct A Five Day Faculty Development Programme on the topic "MODERN DEVELOPMENTS IN CONCRETE AND CONSTRUCTION AREAS" from 14.07.2020 to 18.07.2020 at 12.00 pm to 1.00 pm.

We thank you for accepting our request to deliver your keynote address on 18.07.2020.

Kindly provide your "TITLE" for the session on 18.07.2020 for the purpose of Brochure creation.

Thanks & Regards, M.Rajkannan, Assistant Professor, Department of Civil Engineering, Paaval Engineering College, Namakkal.

Respected Sirs

I request you to bindly perunt me to deliver the Key note address on 18/07/2020 (Saturday). 1

It is non-remunerative.

Tostroro

10.07.23



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Dr. M. JAYARAMAN ME, PhD, FIE Principal

Ref. No.: VCET/AICTE/STTP/CIVIL/ 380 /2020 -2021

31.10.2020

Appreciation letter

This is to certify that Mr.K.Raja, Assistant Professor, Department of Civil Engineering, Kongu Engineering College, Perundurai was a resource person in the AICTE sponsored six days Short Term Training Programme (STTP) Phase I on "Geotechnical Engineering" through online mode between 26.10.2020 and 31.10.2020 organized by the Department of Civil Engineering, Velalar College of Engineering and Technology. He delivered an expert lecture entitled "Application & importance of numerical study in the field of geotechnical engineering" on 29.10.2020(AN).

His contribution to this STTP was noteworthy and useful to the participants.

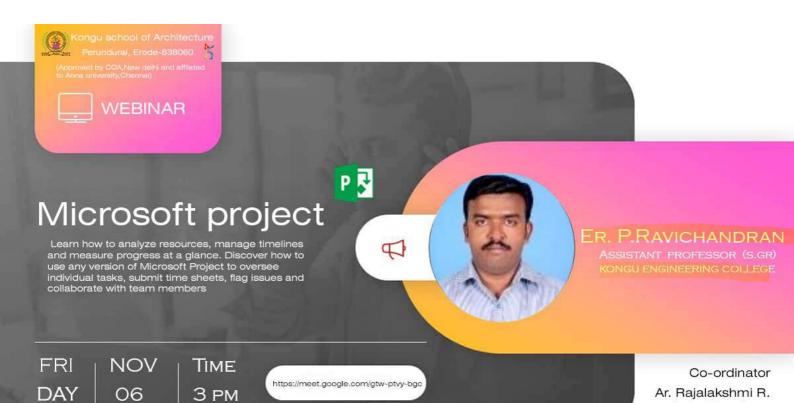
THINDAL, STATE OF THE PROPERTY OF THE PROPERTY

Principal

Principal

Velalar College of Engineering and Technology
Erode 638 012.

Web: www.velalarengg.ac.in



Assiociate professor
Ar. Rathan V Moorthy
Principal



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Dr. M. JAYARAMAN ME, PhD, FIE Principal

Ref. No.: VCET/AICTE/STTP/CIVIL/375 /2020 -2021

31.10.2020

Appreciation letter

This is to certify that Mr.P.Kulanthaivel, Assistant Professor, Department of Civil Engineering, Kongu Engineering College, Perundurai was a resource person in the AICTE sponsored six days Short Term Training Programme (STTP) Phase I on "Geotechnical Engineering" through online mode between 26.10.2020 and 31.10.2020 organized by the Department of Civil Engineering, Velalar College of Engineering and Technology. He delivered an expert lecture entitled "BIS classification of soil based on Index properties" on 26.10.2020(AN).

His contribution to this STTP was noteworthy and useful to the participants.



Principal

Velalar College of Engineering and Technology.

Erode 638 012.

E-mail: principal@velalarengg.ac.in velalarcollege@gmail.com

Web: www.velalarengg.ac.in



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Dr. V. Rajendran, M.E, Ph.D.

Date: 27.01.2021

HoD/Civil

Dr. P.S.Kothai,

Professor and Head, Department of Civil Engineering, Kongu Engineering College, Perundurai, Erode - 638060.

Respected Sir,

With due respect, I would like to thank you for your kind arrival at the event Workshop on Special Concrete' of our college on 27th January 2021. We felt great pleasure to have you among us on festive occasion. You took the festivity of the event to a greater level by your zealous speech to the Everyone appreciated your kind thoughts and motivation which you inculcated into the young Your presence was inspirational for us.

in this regard we would like to thank you for your arrival. We will be looking forward to have more of presence in the future events. Thanking you on the behalf of the college administration and staff.

> Yours Truly. Dr. V. RAJENDRAN, M.E., Ph.D., PROF AND HEAD. DEPARTMENT OF CIVIL ENGINEERING. MUTHAYAMMAL ENGINEERING COLLEGE, RASIPURAM, NAMAKKAL DI. TAMILNADU- 637 498.

Email: info@mec.edu.in

www.mec.edu.in

Dr. N.G.P. INSTITUTE OF TECHNOLOGY



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Dr. N. 6.P. - Kalapatti Road, Cokmissione - 641 048, Tamil Nado. Tri : 0422 - 2369105, Fax: 0422 - 2369106,
E-enail : porkumaran@kees.org, principal@dmgprt.ac.io, porkumaran@gmail.com

Dr. K. PORKUMARAN M.E., HVD., HE SWIELE METE, MAGN., MEXICOL.
Prospar

February 22, 2021

To
Dr.K.Nirmal Kumar
Professor,
Department of Civil Engineering,
Kongu Engineering College,
Perunduai, Erode
nirmalkumar@kongu.ac.in

Dear Sir,

We are happy to inform that the Department of Civil Engineering is organizing AICTE Sponsored One Week Short Term Training Program on "Utilisation of E-Waste in Construction Industry (Phase II)" during 8th to 13th March 2021, we would like to invite you as a resource person for session on "A Brief Review on E-Waste in Construction" on 9th March 2021 and we would be privileged if you could share your rich experience with the faculty members. Kindly accept our request and please let us know your availability.

We are greatly indebted and anticipating your favorable reply.

Thanking You,

Yours faithfully,

Dr.K.Porkumaran Principal

Dr. K. PORKUMARAN, M.E., Ph.D., SMIEEE., MISTE, MIE., PRINCIPAL Dr. N.G.P. INSTITUTE OF TECHNOLOGY COIMBATORE-641048.

Dr. N.G.P. INSTITUTE OF TECHNOLOGY



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Dt. N.G.P. - Kalapatis Road, Colmbatore - 641 046, Tamil Nadu, Tel : 0422 - 2369106, Fax : 0422 - 2369106, E-mail : porkumaran@isee.org. principal@thragpit.ac.in, porkumaran@gmail.com

Dr. K. PORKUMARAN M.E., Ph.D., FIE, BMIESE, MISTE, MACH., MUMESL., Principal

Dr.NGPIT/PRI/GRE/505/2021

March 13, 2021

To Dr.P.S.Kothai

Professor & Head, Department of Civil Engineering Kongu Engineering College, Perunduai, Erode pskothai@kongu.ac.in

Dear Sir,

Greetings from Dr.N.G.P Institute of Technology!

On behalf of the Management and the faculty members, I extend our thanks to you. I wanted to spare a second to send a note of gratitude to you for sharing your thoughts with us as a keynote speaker on 10th March 2021 for our AICTE Sponsored One Week Short Term Training Programme on "Utilisation of E-Waste in Construction Industry (Phase II)" during 8th to 13th March 2021.

Your speech on "Utilization of E-Waste in Concrete" to faculty members triggered an upsurge in all our spirits. Your sparkling viewpoints and your motivating words helped to fresh up the minds of all the participants.

We once again would like to thank you for such a wonderful speech and hope to get a chance to listen to such speeches from you in the future also.

WITE DA

Thanking You,

Yours faithfully,

Dr.K.Porkumaran Principal

Dr. K. PORKUMARAN, M.E., Ph.D., SMIEEE., MISTE, MIE., PRINCIPAL Dr. N.G.P. INSTITUTE OF TECHNOLOGY COIMBATORE-641048.



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DEPARTMENT OF CIVIL ENGINEERING



WEBINAR On

"STRUCTURAL ANALYSIS"



RESOURCE PERSON

Dr.S.Karthikeyan, M.E.,Ph.D.,
Assistant Professor(SG),
Department of Civil Engineering,
Kongu Engineering College, Perundurai.



Join with Google Meet: https://meet.google.com/kcd-sswq-upu



13th MARCH 2021



10:00 AM – 12:00 NOON



Mr.S.PanneerSelvam
Co-ordinator

Dr.M.M.Saravanan
Convenor

Dr.M.Devi

Principal

Prof.Dr.S.Kuppuswami
Executive Director



VIVEKANANDHA COLLEGE OF TECHNOLOGY FOR WOMEN

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Sathinackampalayam, Elayangulayam - 637 205. Truchengode, Namakkai Dt., Tamii Nastu.

Phone: 04258 - 124243, FAX: 04266 - 224124. Website: www.stworg. e-mail_vctm.longg@gmail.com

VIVEKANANDHA

Dr.M.DEVI, M.E., Ph.D., PRINCIPAL

Certificate of Appreciation

This is to certify that Dr.S.Karthikeyan, M.E., Ph.D., Assistant Professor (SG),
Kongu Engineering College, Perudurai has given a guest lecture on the topic
"Significant concepts in Structural Analysis". His presence made the students to enrich
their knowledge on the subject. With deep sense of gratitude wish him all success in the
future.

COLLEGE OF THE PARTY OF THE PAR

Parkers PAL.

Washington College of Technology for Women,
they are purely one 637 205.

Trackers for R. Barockini D. Sank Sala.

Vattamalaipalayam, Near Thudiyalur, Coimbatore-641 022

22-03-2020

LETTER OF APPRECIATION

To,

Dr. T.PRADEEP,

Associate Professor,

Department of Civil Engineering,

Kongu Engineering College,

Perundurai - 638 052.

Respected Madam,

I, on behalf of Sri Ramakrishna Polytechnic College, Coimbatore express my

Heartiest thanks for your distinguished presence to the Webinar on "URBAN WATER MANAGEMENT ITS CHALLENGES AND ISSUES".

I sincerely appreciate your invaluable time in delivering the technical session on **22-03-2020** at Google Meet. Your session has triggered the knowledge among the participants.

I look forward to your continuous support in all our forthcoming academic deliberations and professional endeavors.

Sincerely,

J. Widthell

Ms.K.NIVETHITHA
[HoD/CIVIL]



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OF CIVIL ENGINEERING





Certificate of Recognition

This is to certify that Dr.D.Ambika, Assistant Professor, Kongu Engineering College, Perundurai, Tamilnadu has been served as a Technical review committee member Eighth National Conference on Recent Advancements in Geotechnical Engineering (NCRAG) organized by Bannari Amman Institute of Technology, Sathyamangalam in Association with IGS - Coimbatore Chapter on March 26 2021.

CONFERENCE CO-ORDINATOR

CONVENER

HEAD OF THE DEPARTMENT

PRINCIPAL

Off: 044- 22357077 / 7076 Fax / Dir.: 044 - 22352272

C

CENTRE FOR ACADEMIC COURSES ANNA UNIVERSITY

CHENNAI - 600 025



Dr. S. HOSIMIN THILAGAR DIRECTOR

Letter No.1724/AU/CAC/BOS/2020

18.09.2020

Dr. S. Anandakumar
Professor
Department of Civil Engineering
Kongu Engineering College
Perundurai, Erode - 638 060.

Sir,

Sub: AU – Academic Courses – University Nominee for Board of Studies in R.M.K. Engineering College, Kavaraipettai – 601 206 (Autonomous Institution) - Reg.

It is informed that the Vice Chancellor is pleased to nominate you as a member to serve in the Board of Studies in Department of Civil Engineering of R.M.K. Engineering College, Kavaraipettai – 601 206 (Autonomous Institution). The tenure of nomination is for a period of 3 years during the academic years 2020 – 2021 to 2022 - 2023.

I request you to kindly serve in the Board of Studies and offer your valuable suggestion for the enrichment of the Curriculum and Syllabus of the Board concerned.

Copy to:

1. The Stock File - CAC.

Yours faithfully,

DIRECTOR

Sales Contraction

Fw: Invitation-Chief Guest-Civil Webinar

HOD_Civil Engineering < hod_civil@kongu.ac.in>

Wed 11-Nov-20 3:21 PM

To: Karthikeyan S. <karthikeyan.civil@kongu.ac.in>

with regards

Dr.P.S.Kothai M.E.,Ph.D.. Professor & Head, Department of Civil Engineering, Kongu Engineering College, Perundurai, Erode - 638 060. Tamil Nadu, INDIA.

Phone: 04294 - 226700 Mobile: +91 - 9500545775

From: Principal Kongu Engineering College <principal@kongu.ac.in>

Sent: Tuesday, November 10, 2020 4:09 PM

To: HOD_Civil Engineering <hod_civil@kongu.ac.in>; Arul S. <registrar@kongu.ac.in>

Subject: Fw: Invitation-Chief Guest-Civil Webinar

Dr. V. Balusamy BE (Hons), MTech, PhD Principal Kongu Engineering College Perundurai 638 060. Ph: 04294220583 Mobile: 9942820583

email: principal@kongu.ac.in

From: HOD CIVIL KNCET < hodcivil@kongunadu.ac.in>

Sent: Tuesday, November 10, 2020 3:56 PM

To: Principal Kongu Engineering College <principal@kongu.ac.in>

Subject: Invitation-Chief Guest-Civil Webinar

Respected Sir,

Greetings!!!

Kongunadu College of Engineering and Technology-(Autonomous)-Thottiam

We feel very proud to Invite Dr.S.Karthikeyan, Assistant Professor (Senior Grade), Civil Engineering to deliver special address to students and faculty members of civil department on online webinar on the topic "Application of Nano bio degradable wastes in Concrete" on **18.11.20** by **5.00p.m** to **6.00p.m** in google platform.

I kindly request you to accept our request on do the needful sir...

Thanking You,

"Best regards"

Dr.S.Kavipriya

Head of the Department,

Civil Engineering,

Kongunadu College of Engineering and Technology, Namakkal-Trichy Main road,

Thottiam Taluk,

Trichy-621215



8012505052



Dr.N.G.P. INSTITUTE OF TECHNOLOGY

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Department of Civil Engineering

In Association with

Indian Concrete Institute, Coimbatore Centre **Organises**

Faculty Development Program on "Thrust Areas of Research in Civil Engineering" May 31 - June 04, 2021

Resource Persons

Dr. Bibhuti Bhusan Das

Associate Professor, Department of Civil Engineering, National Institute of Technology, Karnataka, Surathkal Date: 31.05.2021

Topic: Influence of Types of Cement on the Engineering Properties of Interfacial Transition Zone of Reinforced Concrete

Dr.B.Soundara

Professor, Department of Civil

Technology, Sathyamangalam

Topic: Sustainable Aspects in Ground

Improvement Techniques

Date: 01.06.2021

Dr.D.Ambika

Associate Professor, Department of Civil

Engineering, Kongu Engineering College,

Perunduai, Erode

Topic: Interdisciplinary Approaches in

Date: 02.06.2021

the Field of Civil Engineering



Dr.R.Anuradha

Professor & Head, Department of Civil Engineering, Sri Shakthi Institute of Engineering & Technology, Coimbatore Date: 03.06.2021

Topic: Behavior of RC Structure under Earthquake loading



Dr.M.Kaarthik

Assistant Professor, Department of Civil Engineering, Coimbatore Institute of Technology,

Coimbatore,

Date: 04.06.2021 Topic: Cold Formed Steel Structures in Construction Industry

Session Time 10.30 am - 12.30 pm

Registration link:

https://forms.gle/guAoEMJYuCKd3gFo8



Patron Dr.O.T.Buvaneswaran Chief Executive Officer Dr. N.G.P. Institute of Technology

Dr. Thavamani D Palaniswami

Organizing Committee

Dr. Nalla G Palaniswami

Chief Patron

President

Dr.K.Porkumaran Principal, Dr. N.G.P. Institute of Technology

Chairman, Kovai Medical Centre and Hospital

Secretary, Dr. N.G.P. Institute of Technology

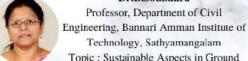
Convenor & Coordinator

Dr.P.Muthupriya Professor & Head Dept.of Civil Engineering Dr. N.G.P. Institute of Technology

Co-coordinator

Ms.K.S.Shobana Assistant Professor Dept.of Civil Engineering Dr. N.G.P. Institute of Technology Mail Id: shobana@drngpit.ac.in













Dr. MAHALINGAM COLLEGE OF ENGINEERING AND TECHNOLOGY ed to Anno University, Chervas: Approved by ARCTE; Accredited by NAAC with Apprehited by NBA. Tier! (Mach, Autr, Civil, EEE, ECE, DE and CSE) stim Road: Politachi - 642 023 Tel: 04259-238030/40/50 Fax: 04259-238070 w





PATRON Dr. A. Rathinavelu, Principal-MCET.

CONVENOR Dr. R. Venkatasubramani, HOD/Civil Engg Dept.

DEPARTMENT OF CIVIL ENGINEERING

Webinar Series on Recent Trends in Civil Engineering

14th to 20th of June 2021

Register here E-Certificate will be provide



Forenoon (10.00 am - 12:00 Noon)

POST TENSIONING DESIGN INTRODUCTION AND PRACTICAL



APPLICATIONS

Mr. RAKSHITH'S SHETTY, Deputy manager, Design Freyssinet Menard India.

SPECIAL CONCRETE CONCEPTS

Moderator: Mr. P.S. Sathish Kumar, AP/Civil



Dr. K.P. VISHALAKSHI.

Afternoon (2:00 - 4:00 pm)

Assistant Professor, K.S.R. College of Engineering. Tiruchengode.

REPAIR AND REHABILITATION

OF CONCRETE STRUCTURES

Moderator: Dr. K. Srinivasan, AP(SS) /Civil



JUNE 15, 2021 TUESDAY

JUNE 14, 2021

MONDAY



AND APPLICATIONS

Mr. G. SIVAKUMAR. Director, ICOMAT, Chennai

Moderator: Dr. T. Sakthivel, AP(SG) /Civil



APPLICATION OF IOT IN CONSTRUCTION AND MANAGEMENT OF PROJECTS

Dr. GULSHAN TAI.



Professor, Sona College of Technology,

Moderator: Mr. A. Manikandan, AP/Civil

JUNE 16, 2021 WEDNESDAY



Dr. M. SENTHILPANDIAN,

CONCEPTS OF BRIDGE DESIGN

Assistant Professor(SR). Department of Civil Engineering, VIT Chennai.

Moderator: Mrs. S. Suthaviji, AP/Civil GEOSYNTHETIC SOLUTIONS FOR

GEOTECHNICAL PROBLEMS



PRACTICAL APPROACH ON DESIGN OF REINFORCED CONCRETE STRUCTURES

Dr. A. R. KRISHNARAJA Assistant Professor (SG), Kongu Engineering college, Erode.

Moderator: Mr. A. Praveen Kumar, AP/Civil

OVERVIEW OF SKETCHUP AND TEKLA

SOFTWARE IN CIVIL ENGINEERING



JUNE 17, 2021 THURSDAY



Dr. B. SOUNDARA,

Professor, BIT, Sathyamangalam.

Moderator: Dr. N. Natarajan, Asso Prof/Civil



Mr. R. UDHAYASANKAR.

Structural consultant, Erode.

Moderator Ms. S. Sharmila, AP/Civil



JUNE 18, 2021 FRIDAY



APPLICATIONS OF MATLAB TOOLS IN CIVIL ENGINEERING Mr. J. SIVASUBRAMANIAN,

Assistant Professor. Mepco Schlenk Engineering College, Sivakasi.

Moderator: Ms. R. Anuja AP/Civil



SYSTEM: PNEUMATIC SYSTEM Mr. K. DEV KARTHIKEYAN,

SOLID WASTE MANAGEMENT

Engineering Manager, L&T construction, Chennai.

NOT FOR DISTRESS ASSESSMENT

Moderator: Mrs. C. Latha, AP (SS) /Civil



JUNE 19, 2021 SATURDAY



Dr. V. MURUGESH,

Associate Professor, JCT College of Engg And Technology, Coimbatore.

Moderator: Mr. M. Sudharsanan, AP/Civil

APPLICATION OF REMOTE SENSING



Dr. J. THIVYA,

Assistant Professor, University College of Engineering, Dindigul.

Moderator: Mr. S. Syed Masoodhu, AP/Civil



JUNE 20, 2021 SUNDAY



AND GIS

Dr. M.C. SASHIKKUMAR,

Assistant Professor & HOD i/c. University college of Engineering, Dindigul.

Moderator: Mr. S. Krishnakumar, AP/Civil



CONSTRUCTION PROJECTS

IMPORTANCE OF PLANNING ENGINEERING IN

Senior planning engineer. Sobha limited, Bangalore.

Mr. R. VASANTH,

Moderator: Mr. S.Dinesh Kumar AP/Civil

CFD -FDP- Invite to be a Resource person on 09.06.2021– Reg

External Inbox

ucersom 21fdp <onlinesomfdp@gmail.com> Sun, Jun 6, 1:05 PM (5 days ago)

to principal, me

Dear Sir,

Greetings for the day!

Our Civil Engineering Department, University College of Engineering Ramanathapuram has been granted permission from Centre for Faculty Development, Anna University, Chennai to conduct of Online Six Days Faculty Development Programme (FDP) titled 'Strength of Materials I' from June 7th to June 12th 2021.

It gives us immense pleasure in inviting Dr. K. Nirmalkumar, Professor, Kongu Engineering College, Erode- 638060 to **deliver a lecture** in this program on **09.06.2021(03.15 to 4.45p.m)**. Therefore, I put forth our sincere and earnest request for you as a resource person to the FDP. We expect your presence to shine in our moments.

Kindly accept our invitation, acknowledge the mail, Send Your Updated Profile and Course Materials in Power Point.

Tentative Topics:

Combined bending moment and torsion of shafts - Power transmitted to shaft

CFD -FDP- Invite to be a Resource person on 09.06.2021– Reg

External Inbox

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ESTD: 1981

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Anthiyur Tk,, Erode District. Tamilnadu

Dr. N.THANGAVELU, M.E., Ph.D., MISTE.,

PRINCIPAL INCHARGE

Phone: 04256 - 246254, 246961

Mobile: 94433 46216

To

Date: 06.07.2021

The Principal, Kongu Engineering College, Perundurai.

Sir,

Sub: ATAL FDP - 2021 - To act as resource person - intimation and requisition of acceptance to deliver lecture - reg.

We hereby to state that Dr.K.Nirmalkumar Professor, Kongu Engineering College has been approved by ATAL to deliver Guest lecture on "A Brief Review on E- Waste in Advanced Construction Technology" on 13.07.2021 by AICTE sponsored ATAL FDP program.

Hence we kindly request you to accept our invitation to deliver the Guest Lecture.

Thanking You,

Yours faithfully

PRINCIPAL

Website: www.sakthitech.net Email: principal@sakthitech.net

RASM Conference <gc-rasm@ajiet.edu.in> Mon 7/26/2021 2:36 PM Forward

You don't often get email from gc-rasm@ajiet.edu.in. Learn why this is important

Dear Prof. Dr K. Nirmalkumar,

Greetings from GC-RASM 2021 !!!

Global Conference on Recent Advancements in Sustainable Materials (GC-RASM 2021) is organized by AJ Institute of Engineering and Technology, Mangalore, Karnataka, India during 29 – 30, July 2021. The scope of the GC-RASM 2021 is to provide a forum for researchers, scientists, academicians, scholars and practitioners around the world to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of materials, metallurgy, nano technology, powder metallurgy, bio materials, building materials, advanced ceramics, heat treatment, forming and machining. GC-RASM 2021 received excellent responses from all across the globe and received more than 600 papers for consideration. A Total of 210 papers have been registered for the conference and will be presented during the conference.

I am glad to invite you to chair an online technical session at the 2021 Global Conference on Recent Advancements in Sustainable Materials (GC-RASM 2021). The details of your session are

Session Name : CE 04 Date: 30.07.2021

Time: 11.30 am to 05.00 pm

Please visit gc-rasm.com for more details on GC-RASM 2021.

The conference online link for your session and other details will be shared in due course of time. Once again thank you very much for your support.

I do very much hope that you will be able to accept this invitation & send us your biodata for the same.

With Best Regards,

Dr. Sangeetha D M
Conference Chair, GC-RASM 2021,
Department of Civil Engineering
AJ Institute of Engineering & Technology
Mangalore I Karnataka I India
Website: www.qc-rasm.com



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Dr.R.Malathy

HoD/Civil & Dean (R&D)

28.8.2021

To

Dr.P.S.Kothai

HoD/Civil

interfaces.

Kongu Engineering College

TO WHOMSOEVER IT CONCERN

It is indeed prodigious desire for your kind partaking in webinar on "Who you want to be" as part of the motivation activity to Second year Civil Engineering students" on 19.8.2021 at Sona College of Technology, Salem through online mode. Your session was found to have profound upshot on budding students to fix up their goals and thus to achieve them in better way. Further it is alleged that your talk during webinar enable the students to cherry-pick their career in this field and further explore to execute in their professional and personal life.

We look frontward to interact with you in future in such informative

(Dr.R.Malathy)

Dr.R.MALATHY

Head Of The Department. Dean (R&D) of Civil Engg. Sona College of Technology, SALEM-636 005:



VIVEKANANDHA



COLLEGE OF TECHNOLOGY FOR WOMEN

ELAYAMPALAYAM, TIRUCHENGODE, NAMAKKAL – 637 205.

DEPARTMENT OF CIVIL ENGINEERING

Organizes a Webinar on





Guest Speaker
Dr.P.S.Kothai
Professor & Head / Civil
Kongu Engineering College



23.08.2021

10.00 am to 11.00 am

https://meet.google.com/ vtw-pwto-aqn

Mr.A.Ananthakumar

Coordinator HoD / Civil

Dr.M.M.Saravanan

Dr.M.Devi Principal Prof.S.Kuppuswami

Executive Director

KONGU ENGINEERING COLLEGE PERUNDURAI ERODE 638060 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Second year Induction Programme 2021-2022. (11-08-2021 to 13-08-2021) August 11 – 13, 2021

Meet Link: https://meet.google.com/hsk-mgvb-sqr

Day 1: 11.08.2021 (Wednesday) - Forenoon

S.	Program	Name of the Speaker	Time	Phone No
No		•		
	Prayer		09:00 to 09:10 am	
1	Structure of the program	Dr. N. Shanthi Professor & Head Department of CSE	09:10 to 09:45 am	9842013399
2.	Stream of Specialization	Dr. P. Jayanthi, Associate Professor/CSE	10.00 to 10.20 am	7373898953
3.	Board of Study	Dr. E. Gothai, Associate Professor/CSE		9842726627
4.	Internal Mark Split up	Dr. R. C. Suganthe Professor/CSE	10.20 to 10.30 am	9842350051
5.	Special Interest Groups	Dr. R. S. Mohana Associate Professor/CSE	10.30 to 10.45 am	9626142961
6.	Infrastructure	Dr. P. Priakanth Professor/CSE	11.00 to11.45 pm	89037 18836
7.	NAAC & NBA	Dr. C. S. Kanimozhi Selvi Professor/IT	12.00 to 12.15pm	9842168224
8.	Alumni interaction	Mr. R. Sathish, (Alumni 2018 Batch) Software Analyst, Agilysys, Chennai	12.30 to 1.00 pm	9843370220

11.08.2021 (Wednesday)- Afternoon

S.No	Program	Name of the Speaker	Time	Phone No
1.	Outcome Based	Dr. E. Gothai,	2.00 to 2.45pm	9842726627
	Education	Associate Professor/CSE		
		Ms. K. Tamilselvi,		9944412462
		Assistant Professor/CSE		
		Ms. S.A. Sowmiya,		
		Assistant Professor/CSE		9789470714
2.	Meditation	Ms. Uma maheswari	3.00 to 3.30pm	9789627303
		Yoga Instructor		
		Topic :" தற்காலத்தில் யோகா "		

Day 2: 12.08.2021 (Thursday) - Forenoon

S. No	Program	Name of the Speaker	Time	Phone No
1	Placement Training & Opportunities	Mr. B. Bizu Assistant Professor(SRG)/CSE	09:00 to 9.30am	9865165228
		Ms. C. Sagana Assistant Professor(SRG)/CSE		8144163614
2	Internship	Mr. B. Bizu Assistant Professor(SRG)/CSE	9.30 to 9.45am	9865165228
3.	Foreign Internship	Mr. A.S. Jaya Surya Assistant Professor/CSE	10.00 to 10.15 am	9629444228
4.	Meditation	·		9443916069
5.	Higher Education	Mr. S. Selvaraj Assistant Professor(SRG)/CSE Ms. Vani Rajasekar Assistant Professor/CSE	11.15 to 11.30 am	9994284106 9659902769
6.	Competitive Exam Preparations	Mr. S. Selvaraj Assistant Professor(SRG) /CSE Ms. Vani Rajasekar Assistant Professor/CSE	11.30 to 11.45 am	9994284106 9659902769
7.	Alumni interactions	Mr. Vignesh Masters in software engineering and green IT University of Amsterdam partnered with Vrije University Amsterdam	12.00 to12.30 pm	9842106545
8.	Institution Innovation Council	Mr. S. Santhosh Kumar, Assistant Professor(SRG)/CSE	12.30 to 12.45pm	9788343588
8.	Entrepreneurship	Mr. K. R. Krishna Raj (2009), Kriya Biosos Limted, Organic Crop Care solutions,Bangalore.	12.45 to 1.00 pm	9790443232

Day 2: 12.08.2021 (Thursday) - Afternoon

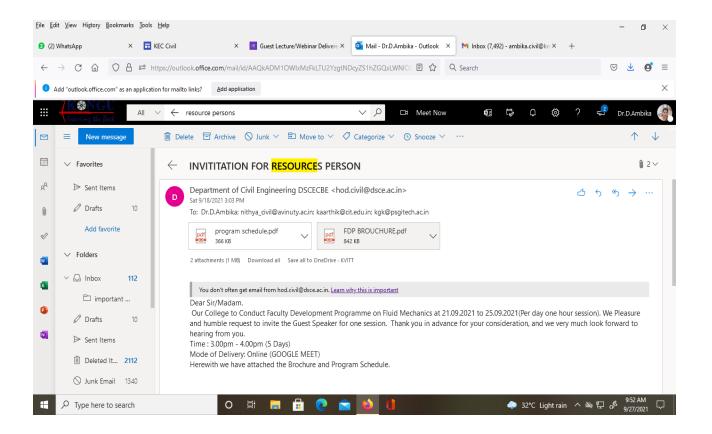
S.No	Program	Speaker	Time	Phone
1.	Design Thinking	Dr. R. R. Rajalaxmi Professor/CSE	2.00 to 2.45 pm	9486561199
		Mr. S. Selvaraj Assistant Professor(SRG)/CSE		9994284106
		Mr. S. Santhosh Kumar, Assistant Professor(SRG)/CSE		9788343588
2.	Foreign Language	Mr. K. Kavin Kumar Assistant Professor(SRG)/ECE	3.00 to 3.30 pm	8760080999

Day 3: 13.08.2021 (Friday)- Forenoon

S. No	Program	Speaker	Time	Phone
1	Extra & Co- curricular	Dr. R. Manjula Devi	09:00 to 9.15 am	7373727281
	activities (paper	Associate Professor/CSE		
	presentation, poster,			
	project)			
2	Cells & Clubs	Dr. K. Kousalya	9.15 to 9.30 am	9942214795
		Professor/CSE		
3.	Value added online	Dr. S.Malliga	9.30 to 9.45 am	9842278780
	course	Professor/CSE		
4.	Project Expo	Dr. K. Sangeetha	10.00 to 10.10 am	9943070702
		Associate Professor/CSE		
5.	Motivational Talk	Dr. P. S. Kothai	10.10 to 10.45 am	9500545775
		Professor & Head		
		Department of Civil Engineering		
6.	IIPC & EMDC	Dr. P. Keerthika	11.00 to 11.10 am	9942225687
		Associate Professor/CSE		
		Ms. M. Sangeetha		
		Assistant Professor(SRG)/CSE		
7.	Alumni interactions	Mr. S. P. Abinav, Software Engineer,	11.10 to 11.45 am	979048627
		Paypal, Bangalore (2011)		
8.	Motivational Speech	Dr. P. Vidhya Priya	12.00 to 1.00 pm	9787742193
		Professor & Head		
		Department of Management Studies		

Day 3: 13.08.2021 (Friday)- Afternoon

S.No	Program	Speaker	Time
1.	Senior Interaction		2.00 – 2.45pm
		-	
2.	Test	-	3.00 to 3.45pm





KONGU SCHOOL OF ARCHITECTURE

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THOPPUPALAYAM (PO) PERUNDURAI - 638 060 ERODE (Dt)
TAMILNADU INDIA



Ar. RATHAN V. MOORTHY

M.Arch.

PRINCIPAL

To,

Date:08.12.2021

Mr.S. Venkatachalam,

Assistant Professor,

Department of Civil Engineering,

Kongu Engineering College.

Respected Sir,

Kongu School of Architecture, Perundurai, in the view of academic activities is organizing a seminar series on Tender Documents, Quantity Surveying, Valuation and Budgeting, So we are pleased to invite Mr.S.Venkatachalam, Assistant Professor, Civil Engineering, Kongu Engineering College to be the Guest Speaker for our Seminar "Estimation and its applications on small scale industries", dated on 13.12.2021 between 11:00am to 12:30pm in KSA.

Your expertise and experience in the field of Education is appropriately sized to our function. It is an honour to organize such a Seminar by inviting you. Kindly accept our invitation and look forward to meet in the scheduled time.

Thanks in advance.

S. V. Wint 2/21



PRÍNCIPAL
KONGU SCHOÓL OF ARCHITECTURE
KONGU ENGINEERING COLLEGE CAMPUS
PERUNDURAI, ERODE - 638 060
TAMELNADU, INDIA.

Phone : +91 - 4294 - 226569 (P) +91 - 4294 - 226567 (O) E-mail : ksa@kongu.ac.in rathanvmoorthy@kongu.ac.in

Website: www.ksakongu.edu.in





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Texvalley Campus, Gangapuram, Erode-638102, Tamil Nadu, www.ieierode.org, ieierode2015@gmail.com

Dr.R.Nallusamy FIE Chairman 98655 39172, nallsam@rediffmail.com Dr. R. Kumaravelan FIE **Honorary Secretary** 9443563481, rkumaravelan@gmail.com

Term

: 2021-2023

Meet No.

: 01

Month

: Nov 21

Date of meeting : 13.11.2021

MINUTES OF THE COMMITTEE MEMBERS MEETING

The first IEI-Erode Local Centre committee members meeting for the year 2021-23 was conducted on 13.11.21 Saturday 5:30 p.m. at Conference hall of URC office, URC nagar, Erode. The following committee members were attended the meeting.

1.	Dr. C. Venkatesh
2.	Dr. R. Nallusamy
3.	Dr. R. Kumaravelan
4.	Dr.P.Navaneethakrishnan
5.	Dr.A.Thirumoorthy
6.	Dr.S.Anandakumar
7.	Dr.E.Ravi

8.	Dr.P.SenthilvelMurugan
9.	Dr.P.Ponmurugan
10.	Dr.P.Sakthivel
11.	Dr.P.Thirumoorthy
12.	Dr. P.Somasundaram
13.	Dr. S. Gopalakrishnan

The minutes of the meeting are as follows.

1.01 Welcome by the chairman

The Chairman of Erode Local Centre welcomed the Founder Chairman and all the members. He also thanked and appreciated the BoS members for the successful completion of the election process and requested them to present the results of the election.

1.02 To present the BoS report by the Convener, BoS, Erode Local Centre

Dr. P. Somasundaram, Member – BoS presented the Election results and announced the list of members elected (unanimously) for the committees of various Divisions. The BoS members congratulated the new team.

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Dr.R.Nallusamy FIE
Chairman
98655 39172, nallsam@rediffmail.com

Dr. R. Kumaravelan FIE Honorary Secretary

9443563481, rkumaravelan@gmail.com

The new committee members for the period 2021-2023 are as follows:

S. No.	Name	Designation
1.	Thiru. URC. Devarajan	Founder Chairman
2.	Dr. C. Venkatesh	Immediate Past Chairman
3.	Dr. R. Nallusamy	Chairman
4.	Dr. R. Kumaravelan	Hon. Secretary

	Committee Members of Various Divisions			
S. No.	Name	Division		
5.	Dr.R.Baskar	Chemical Engineering Division		
6.	Dr.P.Navaneethakrishnan	Mechanical Engineering Division		
7.	Dr.A.Thirumoorthy	Mechanical Engineering Division		
8.	Dr.S.Anandakumar	Civil Engineering Division		
9.	Dr.E.Ravi	Civil Engineering Division		
10.	Dr.P.SenthilvelMurugan	Production Engineering Division		
11.	Dr.P.Ponmurugan	Electrical Engineering Division		
12.	Dr.P.Sakthivel	Electrical Engineering Division		
13.	Dr.C.N.Marimuthu	Electronics and Telecommunication		
		Engineering Division		
14.	Dr.P.Thirumoorthy	Computer Engineering Division		

1.03 Installation of New Committee Members for the term 2021-2023.

Dr. C. Venkatesh called and installed the newly elected team and briefed the responsibilities. He also outlined the functionalities of the ELC should be in line with other centres and TN State Centre.

1.04 Action Plan by the Hon. Secretary

The following are the plans outlined by the Hon. Secretary Dr. R. Kumaravelan

- Monthly Technical Lecture followed by Committee Members meeting on First Saturday.
- Monthly Activity by one of the Students' Chapters
- Conduct of Statutory Days
- Office space for our Local Centre
- Observing Theme of the year (On Engineers day)
- Development of Centre of Excellence in Core Areas

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Dr.R.Nallusamy FIE Chairman

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Dr. R. Kumaravelan FIE Honorary Secretary

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- Arranging Industrial Visit to the nearby Industries
- Approaching other Local Centres and State Centre to enrich our activities
- Helping the Member Institutions for getting R&D Grants, Seminar Grants, Students Project Grants etc.
- Supporting the students and Faculty members (IE members only) to participate in various events / activities. (IEI offers 38 Prizes and Awards and Scholarships for the students annually)

1.05 Programme(s) for the forthcoming months

Hon. Secretary also presented the programmes by various Divisions for the months of November and December.

November 2021

- Technical Lecture Meeting 4th week (by Civil Engineering Dvn)
- Students Seminar (in one of the Institutions) 3rd week (by Electrical Dvn)
- Special Lecture Meeting World Standards Day (Thro' online Date will be informed later)

December 2021

- Technical Lecture Meeting 1st week (by Mechanical Dvn)
- Students Seminar (in one of the Institutions) 2nd week (by Computer Dvn)
- Special Lecture Meeting Energy Conservation Day Dec 14
- Students Activities at Member Institutions- Energy Conservation Day Dec 14

All the members agreed upon the same.

1.06 Website / Newsletter

It is decided to keep the IEI-ELC website updated. Dr. P.Thirumoorthy (Computer Engineering Division) is the Coordinator for the website maintenance.

As well, it is decided to publish a quarterly newsletter (E copy only) for our IEI-ELC.

Dr. P. Ponmurugan Electrical Engineering Division is the Editor for the E-Newsletter. All the members are requested to post the details of the programmes conducted in time in the specified format. (Format will be circulated).

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ERODE LOCAL CENTRE



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Chairman
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Honorary Secretary
9443563481, rkumaravelan@gmail.com

1.06 Membership Development

It is decided to improve the membership enrollment (both Corporate and Student Members) in our IEI-ELC. Hence, all the members are requested to follow the strategies for improving the membership enrollment.

- In Division wise atleast ONE Corporate Member may be enrolled per month
- Contacting other Professional Bodies / Associations
- Approaching all Technical Institutions in our jurisdiction
- Inviting Faculty Members & Practicing Engineers for the monthly technical meeting.
- Programmes / Events shall be conducted by the respective Divisions and encourage all the existing members to participate.
- Mobilizing current members in our LC in the respective division.
 - Dr. S. Anandakumar is the Coordinator the Membership Promotional activities.

1.07 Any other points with the permission of the Chair

- Monthly Committee meeting shall be conducted on First Saturday of every month. The time and venue will be informed. All the members are requested to attend all the monthly meetings.
- 2. IEI-Erode office new location may be identified at the earliest. Nearby schools may be contacted for the same purpose.

1.08 Vote of Thanks by the Honorary Secretary

The Honorary Secretary thanked the Founder Chairman, Immediate Past Chaiman, Chairman, all the BoS members, Committee all the members and URC Staff.

Dr. R. KUMARAVELAN FIE Hon. Secretary

Circulated among all the members Copy to

- 1. The Chairman
- 2. TN State Centre
- 3. IEI Head quarters

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