

# EASWARI ENGINEERING COLLEGE (AUTONOMOUS)

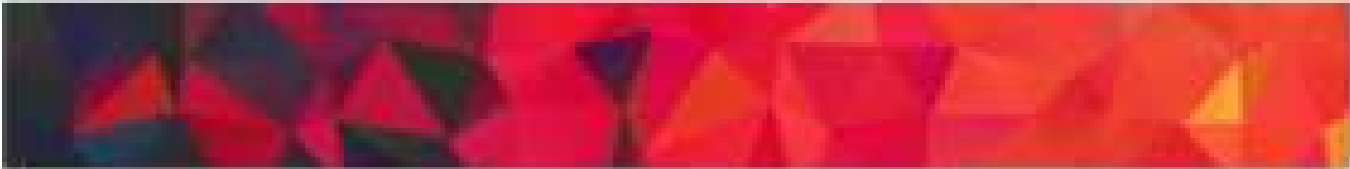


**IN  
BLICK**

**DEPARTMENT OF  
CIVIL ENGINEERING**

**NEWSLETTER**

**JULY 2020**



# INTRODUCING



## THE EDITORIAL TEAM

Mr. LENIN DHAL  
AP/CIVIL

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Mr. MOHAMED AJMAL  
(IVth YEAR CIVIL)

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Ms. PREETHI.S  
(IVth YEAR CIVIL)

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Mr. KISHORE.S  
(IVth YEAR CIVIL)

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# IN BLICK

**JULY 2020**



# VISION & MISSION

## DEPARTMENT VISION

To provide basic and advanced knowledge and skills among civil engineering students so as to meet the changing industrial and research needs to become the acknowledged leader in civil engineering.

## DEPARTMENT MISSION

M1: To provide education in the field of civil engineering and guide them towards technical advancement.

M2: To impart essential skills to the students and enhance their employable potential and entrepreneurial capabilities.

M3: To educate the student in solving problems related to interdisciplinary fields.

M4: To nurture leadership skills with social consciousness to act professionally and ethically.

Extend engineering knowledge through creative, innovative projects and research so as to promote consultancy for industrial and social needs.

M5: To use modern engineering tools and appropriate teaching techniques for modeling, analyzing and designing the real world problems.

## EMERGING TRENDS IN CIVIL ENGINEERING



Guest Speaker presented 60 minute lecture on the topic 'Performance based seismic design and strengthening with focus on fastening' in which he shared his experience in retro fitting, brazing, lacing , joints rehabilitation and many informations in seismic design. The Question answer session was very interactive and the participant felt that the session was very informative and useful for their future research.

**GUEST SPEAKER WITH AFFILIATION:**

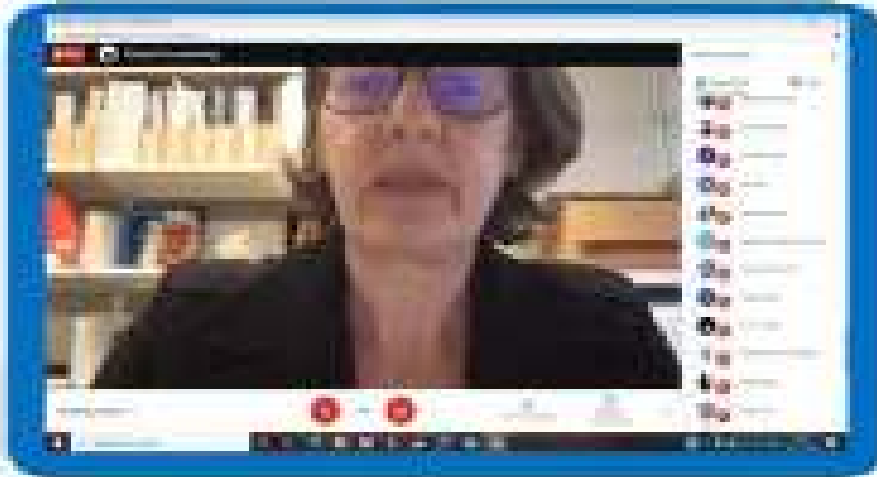
**Dr.Akanshu sharma Ph.D.,Junior Professor,**

2<sup>nd</sup> July  
2020

**INTERNATIONAL**

**WEBINAR SERIES**

# **EMERGING TRENDS IN CIVIL ENGINEERING**



Guest Speaker presented 60 minutes lecture on the topic 'Sustainability on buildings in construction' in which he shared her experience and projects in vegetation, forestation, civilisation, Construction, Urbanisation and green building sustainability concepts .

**GUEST SPEAKER**

**Dr. Roby Phipps Ph.D.,**

Professor,

School of Build Environment,

Massey University, New Zealand.

Students Participated  
180

# A PREVIEW OF SMART BRIDGE DESIGN

01st July 2020

The poster is for a webinar titled "A PREVIEW ON SMART BRIDGE DESIGNS" held on 04-07-2020 from 09:30 AM to 10:30 AM. The guest speaker is Er. M. Ravikumar, Deputy General Manager at L&T IDPL Chennai. The poster includes the logos of EASWARI Engineering College and the Department of Civil Engineering. It also features a QR code, a Zoom link (https://us02zoom.us/j/9200000000), and a meeting ID (9200 0000 0000). Faculty members listed include Dr. S. Lakshmi Pradeep, Dr. R. Gopalakrishnan, and Ms. M. Suresh.

**GUEST SPEAKER**

**Er. M. Ravikumar,**  
**Dy. General Manager,**  
**L&T IDPL Chennai**

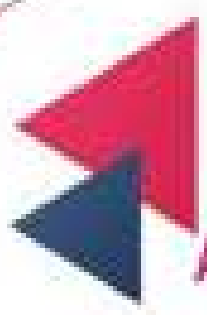
**No. Of  
Participants  
150**

Department of Civil Engineering,  
as part of Professional chapter  
activity of IE Students' chapter  
organized a webinar on  
"A preview of Smart Bridge  
Design". The webinar was  
conducted on 4th July, 2020.

**HIGH LIGHTS OF THE  
DISCUSSION:**

1. Gave an introduction about the need for Bridges
2. Modern techniques available design of bridges
3. Illustrated some of the bridges with its salient features

01<sup>st</sup> July  
to  
03<sup>rd</sup> July 2020



# E-QUIZ

## AWARENESS ON NOURISHMENT

Department of Civil Engineering and Department of Physical Education, in Collaboration with PEFI Tamilnadu Chapter & National Sports Promotion Organisation (NSPO) organized a quiz on "Awareness on Nourishment". The quiz was scheduled and conducted from 01<sup>st</sup> – 03<sup>rd</sup> July, 2020. The eligibility criteria for the quiz is to bring awareness among the students and staffs of schools and colleges. There were participants from 28 states and 5 union territories, 4 countries (Africa, Bahrain, Srilanka, Nepal) participated in the quiz programme. Around 475 students and 302 faculties from school, engineering, arts and science colleges, Industry persons have taken part in the quiz programme.

**EASWARI ENGINEERING COLLEGE**  
DEPARTMENT OF CIVIL ENGINEERING & DEPARTMENT OF PHYSICAL EDUCATION  
In collaboration with  
**FIT INDIA** (FIT INDIA) and **PEFI TAMILNADU CHAPTER & NATIONAL SPORTS PROMOTION ORGANISATION (NSPO)**  
Ministry of Youth Affairs and Sports  
**E-QUIZ AWARENESS ON NOURISHMENT**  
1<sup>st</sup> - 3<sup>rd</sup> JULY 2020  
Coordinators:  
Dr. S. Lavanya Prasad, Asst. Prof. / Lectr.  
Dr. S. Saranya, Asst. Prof. / Lectr.  
Dr. M. Suresh Babu, Asst. Prof. / Lectr.  
Dr. A. Aravind, Asst. Prof. / Lectr.  
Dr. B. Suresh Kumar, Asst. Prof. / Lectr.

No. of Participants:  
**777**

# STRUCTURAL HEALTH MONITORING – CHALLENGES AND ISSUES

01<sup>st</sup> July 2020

**GUEST SPEAKER**

**Dr.M.V.N Sivakumar**



The poster features the Department of Civil Engineering logo on the left. The main text includes: 'The Invitation of Engineers Students Chapter', 'Structural Health Monitoring – Challenges and Issues', '01.07.2020 | 11.30 am to 12.30 pm IST', 'Registration: <https://shh.warabharat.in>', 'Coorganizers: Mr. R. Suresh Kumar, Asst. Prof., JCESS, Mr. A. Arunraj, Asst. Prof., JCESS', and 'Coordinator: Dr. S. Lavanya Prabha, Professor & Head, JCESS'. A QR code is also present.

Department of Civil Engineering, as part of Professional chapter activity of IE Students' chapter organized a webinar on "Structural Health Monitoring – Challenges and Issues". The webinar was conducted on 1st July, 2020. Guest and speaker of the session: Dr.M.V.N Sivakumar, Assistant Professor, Department of Civil Engineering, National Institute of Technology Warangal.

## HIGH LIGHTS OF THE DISCUSSION:

- 1.Importance of Health Monitoring.
- 2.Use of strain gauges In the health monitoring of bridges.
3. Use of strain gauges in the health monitoring of bridges.

**NO.OF.PARTICIPANTS: 115**





04th July 2020

# PRE-ENGINEERED METAL BUILDINGS

GUEST SPEAKER :

**Mr. Mozafer Hamid, Engineering Manager,**

**Blue scope Steel India private limited.**



The poster is for a webinar titled "PRE-ENGINEERED METAL BUILDINGS" organized by the Department of Civil Engineering at Eastwari Engineering College. The event is scheduled for 04.07.2020, Saturday, from 03:00 PM to 04:00 PM. The guest speaker is Mr. Mozafer Hamid, Engineering Manager at Blue Scope Steel India Private Limited. The poster also lists the convener, Dr. S. Lakshya Venkita, and the coordinator, Mrs. G. Prabhala. A registration link is provided: <https://bit.ly/29rlmss>. The poster features logos for Eastwari Engineering College, Blue Scope Steel India, and a 25th Anniversary logo.

The high spots in the presentation presented by Mr. Mozafer Hamid in the webinar were:

- PEB and system in PEB, Material specifications,
- PEB applications, PEB advantages,
- Comparison between PEB & conventional buildings,
- Design issues / codes and deflection limits, Design capability, Erection sequences.

The doubts posted by the participants were cleared by the guest speaker

**No. OF PARTICIPANTS: 180**

# WEBINAR ON

## ADVANCEMENT AND OPPORTUNITIES IN REVIT STRUCTURES & REVIT MEP – DESIGN TOOLS



**EASWARI ENGINEERING COLLEGE**  
AN AUTONOMOUS INSTITUTION  
ESTABLISHED IN 1984

**25 YEARS**  
OF EXCELLENCE IN EDUCATION

**DEPARTMENT OF CIVIL ENGINEERING**

Presents Webinar on  
**ADVANCEMENT AND OPPORTUNITIES IN  
REVIT STRUCTURES & REVIT MEP - DESIGN TOOLS**  
6<sup>th</sup> & 7<sup>th</sup> July, 2020 | 11:00 am to 12:00 noon

**Mr. P. Senthilnathan**  
BIM Lead  
Oneworks BIM Technology  
Chennai

**CONVENER**  
Dr. S. Lavanya Prabha  
Professor & Head / CIVIL

**CO-ORDINATOR**  
Mr. R. Dinesh Kumar  
Mr. A. Arunraj  
Assistant Professors / CIVIL

Registration Link  
<https://bit.ly/mepwebinar>

<https://meet.google.com/qmr-mcqs-zzj>

<https://civilsrmeaswari.ac.in>

6th July 2020  
to  
7th July 2020

No. OF  
PARTICIPANTS: 346

GUEST SPEAKER/S:

Mr. Mohaideen,  
Training Lead

Mr. P. Senthilnathan,  
BIM Lead,  
Oneworks BIM Technology,  
Chennai.

**WEBINAR ON ADVANCEMENTS AND OPPORTUNITIES  
IN REVIT STRUCTURES & REVIT MEP - DESIGN TOOLS**  
organized by Department of Civil Engineering of Easwari  
Engineering College (Autonomous) on 6th & 7th July, 2020.  
Around 346 participants (from 22 different states and three  
from other country) were participated in this webinar  
through Google Meet and YouTube live stream. Webinar  
started with formal inauguration in the presence of  
HOD/Civil and the speaker was introduced to the  
participants.

**08th JULY 2020**

## **CONSTRUCTION OF BUILDING USING GREEN CONCEPT**

The session was started by Dr. S. Lavanya Prabha, HOD/Civil at 10.30 a.m. She briefed about the concept of webinar and welcomed the gathering. Mr.V.Gokul, Coordinator of the webinar introduced the speaker Padma Shri Ar. C N Raghavendran, Chairman, IGBC- Chennai chapter & Managing Director of C.R Narayana Rao (consultants) Private limited addressed the participants of webinar. Mr. Dhanrasu, Associate Counsellor, Confederation of Indian Industry, Green Business Centre, presented lecture for half an hour on the topic "Sustainable Building Materials and Products for Green Buildings" in which he explained the construction procedures and technologies for sustainable buildings and the presentation contained many pictures and it was so easy to understand... speech was knowledgeable and helpful.



**GUEST SPEAKERS :**

**Mr. Dhanrasu,**

**Associate Counsellor,**

**Confederation of Indian Industry,**

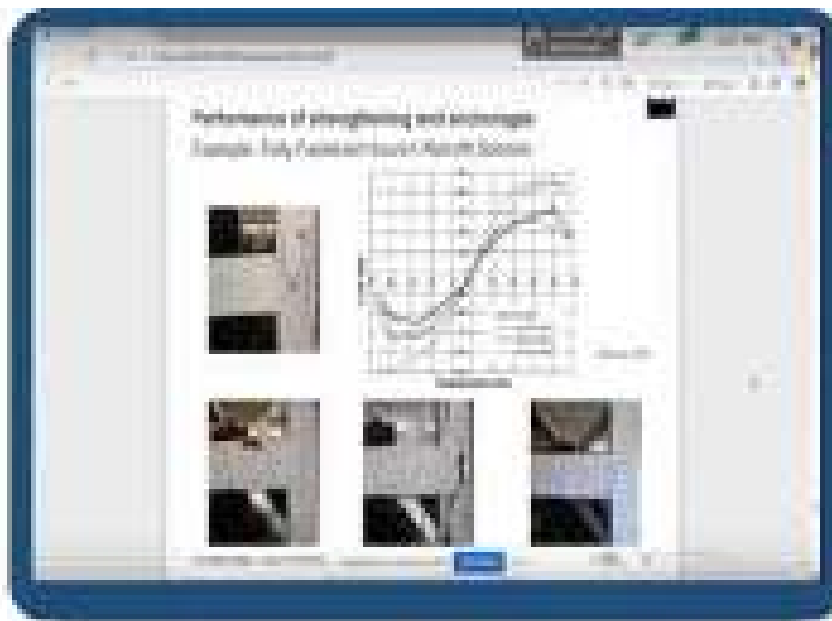
**Green Business Centre,**

**NO. OF PARTICIPANTS : 244**

# THE BASICS OF PUMP



Indian plumbing association of Civil and Mechanical Department of Easwari Engineering College jointly organized a one day online webinar on topic "THE BASICS OF PUMP". This session was attended by Polytechnic and Engineering Students, Faculty members and Industrial persons from Civil, Mechanical and Electrical Departments. The session was started by Dr. M. Vetrivel Sezhian, HOD/Mech at 3.00 p.m. HOD briefed about the concept of webinar series and welcomed the gathering. HOD/Mech, thanking KSB Limited for offering internships come with projects to our students. Ms. Divya, Student Coordinator of the webinar series introduced the speaker 1. Mr. C. SELVAKUMAR, Dy. Manager Sales – Building Services, KSB Limited and 2. Mr. Ninad Salunke, Asst. Manager - TSS Building Services, KSB Limited. Initially, Mr. C. SELVAKUMAR presented lecture for one hour on the topic "THE BASICS OF PUMP" in which he explained about pump, the science behind the working of pump, different types of pumps, various products they making in their company.



**10th July to**

**11th July 2020**

## **WATER RESOURCE APPLICATIONS**

*Guest Speaker presented 60 minute lecture on the topic 'Performance based seismic design and strengthening with focus on fastening' in which he shared his experience in retro fitting, brazing, lacing, joints rehabilitation and many informations in seismic design. The Question answer session was very interactive and the participant felt that the session was very informative and useful for their future research.*

**No. OF PARTICPANTS: 180**

14th July 2020

# BUILDING ANALYSIS AND DESIGN

## BY ETABS



*Indian plumbing association of Civil Department of Eastwari Engineering College jointly organized a 1 day online webinar on topic "BUILDING ANALYSIS AND DESIGN BY ETABS". This session was attended by Students, Faculty members and*

*Industrial persons from Civil Departments The session was started by Dr. S. Lavanya Prabha, HOD/Civil at 11.00 AM. HOD briefed about the concept of webinar series and welcomed the gathering. Ms. Logarshani S, Student Coordinator of the webinar series introduced the speaker Ms. PREETHI RAJASEKAR – DESIGN ENGINEER, BURO ENGINEERS Pvt. Ltd.*

**NO.of.Participants : 322**

**GUEST SPEAKERS :**

**Ms. PREETHI RAJASEKAR,  
DESIGN ENGINEER,  
Buro engineers Pvt. Ltd.**

# BAR BENDING SCHEDULE

17th July 2020



*Civil Department of Easwari Engineering College organized a one day online webinar on topic "BAR BENDING SCHEDULE". This session was attended by Students and Faculty members from Civil Departments. The session was started by Mrs.J.AJITH AP/Civil*

*at 3.00 PM and briefed about the concept of webinar series and welcomed the gathering. Mr.A.MohanAP/Civil introduced the speaker Dr.A.Arunsolomon AP/KARUNYA, COIMBATORE. He presented lecture for one hour on the topic "BAR BENDING SCHEDULE" in which he explained the bar bending schedule of Beam, Slab, Column and foundation and explained about cutting length of various structural elements.The Question answer session was very interactive and the participant felt the session was very useful.*

**No. OF PARTICIPANTS: 123**

*The technical webinar conducted nationwide provided a firm rationale for the continued development in the field of water resource applications and a useful guide to the kinds of R&D activities that should be given priority attention in the future.*

**25th July 2020**

**NO.of.Participants: 191**

**GUEST SPEAKER :**

**Dr. B.V. MUDGAL**

**PROFESSOR & DIRECTOR,**

**Centre for Water Resources**

The poster is for a webinar titled "WATER FOOT PRINT" organized by the Department of Civil Engineering at EASWARI ENGINEERING COLLEGE. It features a portrait of Dr. B. V. Mudgal, Professor & Director of the Centre for Water Resources, and lists social media links for YouTube, Facebook, and Instagram. A QR code is also present for registration. The poster includes logos for EASWARI and SRM.

## **WATER FOOTPRINT**

- 1. To use the water footprint concept to promote the transition toward sustainable, fair and efficient use of fresh water resources worldwide*
- 2. To study how the water footprint measures the amount of water used to produce each of the goods and services.*
- 3. To analyse the blue, green and/or grey water footprint.*
- 4. To know economic benefits: better water management and better water use have positive impacts on water costs.*



# Journey to Success

29th July 2020



The poster is for a webinar titled "Journey to Success" organized by the Department of Civil Engineering at Easwari Engineering College. It features a photo of Charles Godwin, an HR leader and public speaker at Zoho Corp. The poster includes the college's name, department, and the date and time of the webinar (29-07-2020 | 8:00 pm - 9:00 pm). It also lists the speaker's name and title, and provides contact information for the department.

**GUEST SPEAKER:**  
**Mr. Charles Godwin**  
**H.R Leader & Public**  
**Speaker Zoho Corp.**

***The webinar was about an interesting inspirational topic that was "journey to success". To become the type of success you are setting out to be you have to start at the beginning, just like in the alphabet you start with the letter "A." Success is not an event, it is a process. To finish any great endeavor you must first start. This may not be the start of a new business but could simply be the start of a new idea, a new path or a new way. The success journey is the process of working through each step to arrive at the next one, with each step motivating and inspiring you to press on without fail.***

31.07.2020

OPPORTUNITIES IN CIVIL  
ENGINEERING

Department of Civil Engineering, as part of Professional chapter activity of IE Students' chapter organized a webinar on "Opportunities in Civil Engineering". The webinar was conducted on 1st July, 2020. Guest and speaker of the session: Er. Muthuraman Arunachalam, Quantity Surveyor, Damac Properties, Dubai, UAE.

HIGH LIGHTS OF THE DISCUSSION:

- Job opportunities for Civil Engineering students
- Importance of practical knowledge in jobs openings.

**EASWARI ENGINEERING COLLEGE**  
1998-2018  
Organizes webinar on  
*Opportunities in Civil Engineering*  
31.07.2020 | 05.00 pm - 06.00 pm

*Muthuraman Arunachalam*  
Quantity surveyor  
DAMAC Properties  
Dubai, UAE

<https://meet.google.com/fovw-tpan-fer>

No registration fee  
& certificate will be provided

Convener: Dr. S. Lavanya Prabha, HOD/Civil  
Coordinator: Mr. M. Sureshbabu, Asst. prof / Club  
Mr. A. Arunbabu, Asst. prof / Club  
<http://www.easwariengineering.ac.in>

NO.OF.  
PARTICIPANTS:

188

# JEWEL CHANGI AIRPORT

Winner Building of the Year 2020



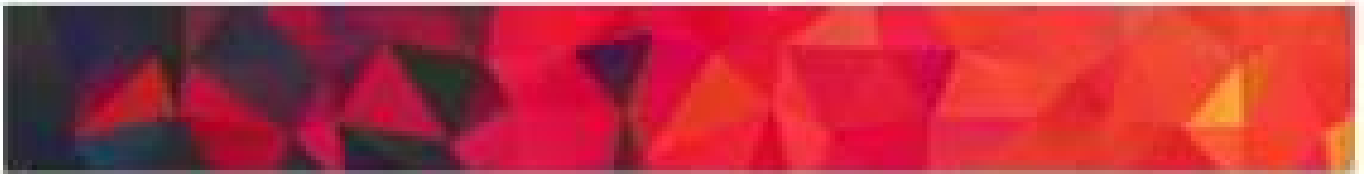
**Location:**  
**Singapore**

**Material:**  
**Steel and Glass**

**Cost:**  
**S\$1.7 billion**

**Size:**  
**3.5 hectares (8.6 acres)**

Jewel Changi Airport is the latest addition to, and centrepiece of, Singapore's world-renowned Changi Airport. Designed by Safdie Architects, this highly anticipated dome-shaped attraction houses a dynamic mix of retail, leisure, garden and hotel amenities, as well as airport operations. The development is open to the public and transit passengers and connects directly with Terminal 1 as well as Terminals 2 and 3 via link bridges.



**JULY 2020**

**Hey all**

**Hope you all found this issue of inBlick informative and fun to read. This is all for this month and we promise to come back to you with the same spirit. So, please write to us about how you found this issue. Your valuable suggestions and criticisms are most welcome  
Email: [lenindhal@ec.srmrmp.edu.in](mailto:lenindhal@ec.srmrmp.edu.in)**