# EASWARIENGINEERING COLLEGE

## inBlick

MARCH 2019 | *Department of Civil Engineering* | Vol.10 Issue3


| DEPARTMENT VISION |
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| 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 |
| M5 | Extend engineering knowledge through creative, innovative projects and research so as to promote consultancy for industrial and social needs. |
| M6 | To use modern engineering tools and appropriate teaching techniques for modeling, analyzing and designing the real world problems |

# WHAT'S INSIDE

- *Events in the month*
  - *Guest Lectures*
  - *Placement*
- *Articles*

*Introducing…*

# *The Editorial team*

- **Ms.D.Jereosia De Rose** AP/Civil
- *Mr.U.VishwakChander( III Yr)*
- *Ms.Preethi (III Yr)*
- *Mr.L.HarishKumar(IV Yr)*

*inBlick*

*Department of Civil Engineering*

# *GUEST LECTURE*

The Department of Civil Engineering of Easwari Engineering College organized a Guest lecture "Railway, Planning, Construction & Maintenance" on 15th February'19 from 10.30am to 12.30pm. The guest was *Mr. Vishwanathan**, retired person in Southern Railways***. His presentation was very helpful in knowing the current practices in Indian Railways and evolution of Indian and world railways. Starting with the unit one topics **ie**, significance of airways, waterways, roadways and railways, Elements of permanent way, coning of wheel, fixtures and fastening, geometric design, points and crossings followed by unit 2 **ie,**track laying methods, track maintenance method, modern methods of construction and other improvements in railways.

This was session was very helpful in knowing the basic concepts of railways and recent improvements in construction of railway.

On behalf of 3rd year students, we thank the management for conducting these kinds of sessions to get a practical knowledge on what we study in our course.

*Mr. Vishwanathan, retired person in Southern Railways delivering the lecture on for third Year Civil Engineering Students..*

*Mr. Vishwanathan, retired person in Southern Railways receiveing memento from Mrs.Jothilaxmi,Professor Incharge of Civil Department*

Questions from the students about various methodologies were clarified and he shared his overall experience with the industry.

# *GUEST LECTURE*

The Indian Concrete Institute (ICI) student chapter of Department of Civil Engineering of Easwari Engineering College organized a Guest lecture on 20th February, 2019 for the II Year Civil Students. The lecture on "**Consolidation and Settlement**" was delivered by ***Dr. Mutharam***, *Professor in Civil Engineering, Anna University, Chennai.*. The welcome address was given by department professor, Dr. M. Neelamegam, and then the chief guest introduced herself in different interesting manner. The two hour session from 2.00pm to 4.00pm was a thoroughly interactive session. The session was started by her lecture very interestingly and made the students to realize how important the soil in the construction field.

*Dr. Mutharam, Professor in Civil Engineering, Anna University, Chennai. Delivering the lecture on "Consolidation and Settlement" for II year Civil Engineering Students*

The guest also discusses, how the students study and change that into their carrier too.

The lecture was very fascinating for the students. She explained briefly about the consolidation in soil and the failures happening in construction work due to improper consolidation of soil. The lecture was continued with short discussion in the syllabus of soil mechanics and the she also guided the students how to prepare for the university examination. This was more helpful for the students. The guest lecture was ended by a vote of thanks.

*Dr. Mutharam, Professor in Civil Engineering, Anna University, Chennai. Delivering the lecture on "Consolidation and Settlement" for II year Civil Engineering Students*

# *PLACEMENT*

*The following students are placed in Besten Engineers & Consultants India Private Limited*

- *Banu Prakash*
- *Raghuraman.G*
- *Sathyanarayan*
- *D.R.Surya*
- *Pon Magesh*
- *Nandhini Devi.E*
- *Nivetha.D*
- *Yuvashri.M*

# *Three Gorges Dam*

***Three Gorges Dam on the Yangtze River,china***

*The **Three Gorges Dam** is a hydroelectric gravity dam that spans the Yangtze River by the town of Sandouping, in Yiling District, Yichang, Hubei province, China. The Three Gorges Dam has been the world's largest power station in terms of installed capacity(22,500 MW) since 2012. In 2014, the dam generated 98.8 terawatt-hours (TWh) and had the world record, but was surpassed by the Itaipú Dam, which set the new world record in 2016, producing 103.1 TWh.*

*Except for the locks, the dam project was completed and fully functional as of July 4, 2012, when the last of the main water turbinesin the underground plant began production. The ship lift was complete in December 2015. Each main water turbine has a capacity of 700 MW. The dam body was completed in 2006. Coupling the dam's 32 main turbines with two smaller generators (50 MW each) to power the plant itself, the total electric generating capacity of the dam is 22,500 MW*

*As well as producing electricity, the dam is intended to increase the Yangtze River's shipping capacity and reduce the potential for floods downstream by providing flood storage space. China regards the project as monumental as well as a success socially and economically, with the design of state-of-the-art large turbines and a move toward limiting greenhouse gas emissions. However, the dam flooded archaeological and cultural sites, displaced some 1.3 million people, and had caused significant ecologicalchanges including an increased risk of landslides. The dam has been controversial both domestically and abroad*

# *The Floating Piers*

***Part of an art installation at Lake Iseo created by Christo and Jeanne Claude***

*The Floating Piers was a site-specific work of art by Christo and Jeanne-Claude, consisting of 70,000 square meters of yellow fabric, carried by a modular floating dock system of 226,000 high-density polyethylene cubes installed at Lake Iseo near Brescia, Italy. The fabric created a walkable surface between Sulzano, Monte Isola and the island of San Paolo*

*Christo and Jeanne-Claude began conceptualizing of The Floating Piers in 1970. Their initial site was Rio de la Plata between Argentina and Uruguay. The couple also considered Tokyo Bay as a location before moving on to other projects.*

*In late 2013, Christo settled on Lake Iseo as the location for The Floating Piers and dedicated the next 22 months to realizing the project. It was the first major project he undertook after the death of his partner and collaborator Jeanne-Claude.*

*The project was estimated to cost $11 million, but was later reported at closer to $17 million. The funds were raised by Christo himself through sales of his project sketches and original art. Permits took less than a year.*

*The physical installation of the piers was handled by Deep Dive Systems, a company based in Bulgaria. They installed about 220 six-ton anchors in the lake floor at depths of up to 92 meters, over a period of three months. 226,000 cubes were then attached to those anchors, and covered by 70,000 sq. meters of nylon fabric. Over 600 workers were involved in the installation. Traffic planning required a 175-page document and cost €100,000 to produce.*

*On June 18, 2016, the saffron-colored walkway opened to the public. 270,000 people visited the free installation in its first five days. Due to the unexpectedly large crowds, organizers began closing the installation from midnight to 6 a.m. each day to allow for cleaning.On June 22, the large crowds caused some chaos at the main train station in nearby Brescia.*

*On July 3, 2016, the work closed to the public; local officials estimated that it had attracted 1.2 million visitors, or an average of 72,000 per day, over its 16-day run. Police estimates were even higher, at 100,000 visitors per day. Dismantling of the project began in the early morning of July 4, 2016*

# MARCH 2019

***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: jerosiaderose@gmail.com***