



# EASWARI ENGINEERING COLLEGE

**inBlick**



AUG 2017

*Department of Civil Engineering*

Vol.1 Issue1

## 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
- 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

# *In vessel composting system converting organic waste into compost in a day*

*Article by Dr. Pearsin Kiruba/ Associate.prof/civil*

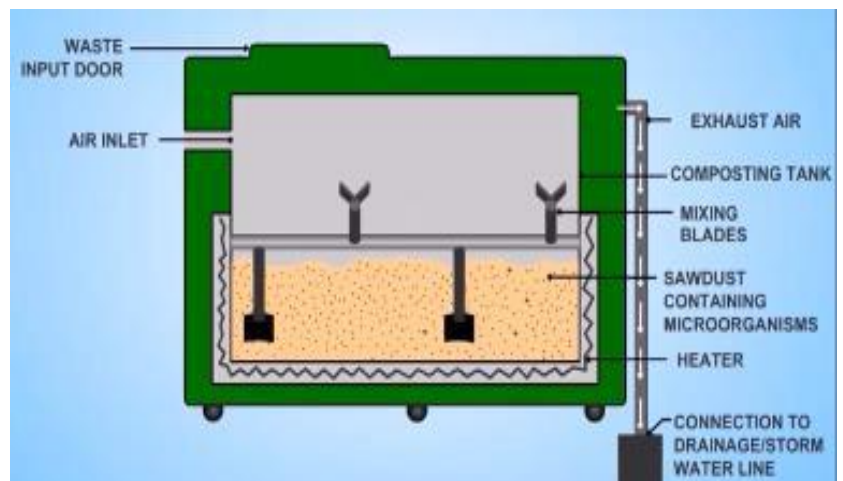
The organic waste generated from the kitchen, garden, restaurants, hotel etc can be converted in to compost which can be used as manure for agriculture. In conventional method of composting it takes normally 3 to 4 weeks to get the compost. But the new technology in-vessel composting uses an accelerated composting process and achieves the waste volume reduction as 90% and thereby 10% of compost generation is achieved in 24 hours.



**COMPOSTER**

It is an “intelligent” system that acts on the direction of the sensors placed inside the machine and thereby achieving the following – No manual intervention thus saving on labour costs and automated execution thus saving power and maintenance costs. The lone rejects in this method of composting is the harmless water-vapour that is neatly expelled thru the connection to the sewerage/drainage.

**INNER CHAMBER -  
COMPOSTER**



The machine composts waste using an energy-efficient and automated control process. The system employs high temperature micro-organisms to decompose food waste and organic matter. Normal mixed food waste should take no longer than 24 hours to virtually disappear. The end product is nutrient rich organic compost which can be used gardening organic farming purpose

### **REINSTALLATION OF ICI, IE STUDENTS' CHAPTERS, ACE AND YUGA CLUB**

The ICI Students Chapter along with IE, ACE and YUGA Club organized **REINSTALLATION OF OFFICE BEARERS** followed by a lecture on 04/08/2017 to motivate the students. The event which was held in TRP Auditorium marked the presence of Er.E.Dhanesh, Manager-Technical services, JSW Cement Ltd as the chief guest. The event started with a welcome address by the Head of the department Dr.S.Lavanya Prabha followed by the presidential address delivered by Dr.K.Kathiravan, Principal and the felicitation address was delivered by Dr.L.Antony Michael Raj, Vice Principal.

After installation of office bearers of ACE, ICI, IE and YUGA, Mr.Dhanesh began his lecture on "Production of Cement" by showing us some videos on manufacturing of cement and making of reinforcement bars. He gave us a clear picture about current scenario prevailing in cement industry. He shared a lot of information about initial setting time, final setting time and ingredients of cement. His lecture was very informative as it was based on his industrial experience. He completed his lecture by showing a very motivational video.

Overall, the session was very useful and highly informative. The vote of thanks was delivered by Mr A.R.Aravind, office bearer of ICI Student Chapter. He thanked the chief guest for sharing his valuable time, knowledge and experience with us and also the management for their constant encouragement and support to benefit the students.



#### OFFICE BEARERS

### “ASTHIVAARA (ACETECHFEST’ 17) ACE, IE (I) AND ICI STUDENTS’ CHAPTER” NATIONAL LEVEL TECHNICAL SYMPOSIUM

On 12 August’2017, ACE, IE(I) AND ICI STUDENT CHAPTER organized the Annual National Level Students’ Technical Symposium “ASTHIVAARA –ACETECHFEST’ 17” of Department of Civil Engineering, at the college campus. The symposium witnessed over 450 registrations this year with students from several colleges participating in various events.

The Chief Guest Er.M.Kumar, Chief Engineer. Tamil Nadu Housing Police Corporation was welcomed by Head of the Department *Dr. S. Lavanya Prabha*. The presidential address was delivered by the Principal, *Dr. K. Kathiravan*.

The Guest released the souvenir “Asthivaara 2k17” during the event. The event was followed by several events showcasing the technical expertise of the students.

**Paper Presentation (Structural):**

Judged by – Mr.R.Arivazhagan/Professor, Meenakshi Sundararajan Engineering College

Dr.M.Neelamegam/Professor, Easwari Engineering College

Mrs.G.Prabha/Asst. Prof. , Easwari Engineering College

**Paper Presentation (Environmental):**

Judged by – Mr.Jothilingam.M/Asst.Professor(S.G)) SRM University

Dr.C.G.Hemamalini/Professor, Easwari Engineering College

**Poster Presentation:**

Judged by – Mrs.L.Chandra Kanthamma/Asst. Prof., Easwari Engineering College

**CADD Contest:**

Judged by – Mr. J.Aswin Kumar/Asst. Prof., Easwari Engineering College

**Code Cracking:**

Judged by – Ms.K.Kalingarani/Asst. Prof., Easwari Engineering College

Other events include:

Technical quiz, Minute to Win, Concrete Challenge, Buoyancy Check, Map it, Model Making, Box cricket, Adzap, Dubsmash and many more.

The Symposium also involved a trendy new style of conveying a message with the help of a 'flash mob' conducted in the open air theatre of our college.

The top performers in various events were awarded Cash Prizes/ Certificates and mementos in valedictory ceremony.





Inaugural Address by Chief Guest Er.M.Kumar



Principal presenting the memento to the Chief Guest

## *Guest Lecture*

The Department of Civil Engineering of Easwari Engineering College organized a Guest lecture on 22<sup>nd</sup> August, 2017 for the Second year Students. The lecture on “Concrete and Cement Technology” was delivered by Mr.Ramanathan, Deputy General Manager, Dalmia Cement Pvt.Ltd, Chennai. He was welcomed by Mr. S. Banu Prakash, second year student, Easwari Engineering College presented the introduction about the guest.

The one hour session from 3:30pm to 4.15pm was absolutely informative to the second year students. The Speaker started the session with short quiz, he showed presentation on cement and its importance, concrete manufacture and their classification. During the session, he kept asking us question about materials used in manufacture of cement. He explained about the Hydraulic cement and its blending. He also explained the importance of PPC and OPC used for construction. Finally he explained about alkali content and its threat, corrosion of steel and major components of cement.

The lecture was really very informative to students and they gained a great knowledge about concrete and cement technology and, we also would like to acknowledge our gratitude to Mr.Ramanathan, for exposing his knowledge.



## *Industrial visit*

The Final year Students of B.E., CIVIL ENGINEERING from Easwari Engineering college went for an industrial Visit to North Chennai Thermal Power Plant(NCTPS), on 03.08.2017 & 04.08.2017 located at Ennore, Chennai under the supervision of Mr.Paramaguru, Mrs.LakshmiPriya, Mr.Govindharajan, Mrs.Sasikala, Assistant Professors, Civil Dept – EEC.

On that day, they were Split up in to two batch of students, listened key points about safety measures should be followed inside the campus. Then , they visited Thermal plant campus model and visited Concrete Structures like Boiler, Chimney. The students got the real picture of Concrete structures like chimney, Boiler, Steel Structures for conveyor Built up inside the campus.

Some of the feedbacks from Students are that they got clear idea about the Power Generation process and came to know about construction Methodology inside power plant. So, we are very much thankful to you for a great opportunity to visit the site.

They are are thankful to Mr.Chandramohan, Assistant Executive Engineer, NCTPS and Mr.Sudhakar Trainee Engineer for guiding and clear explanation about various methodology adopted in that Plant.





## Newsletter Committee

**Ms.NITHYALAKSHMIY M AP/CIVIL**  
**Ms.LAKSHMI PRIYA AP/CIVIL**  
**U.VISHWAK CHANDER (II YR B)**  
**SRINIVASA RAGHAVAN (II YR B)**  
**JAYAPRAKASH J (IV YR A)**

**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: [nithya.muraliy@gmail.com](mailto:nithya.muraliy@gmail.com)**