

AAADHARA

CIVIL ENGINEERING NEWSLETTER

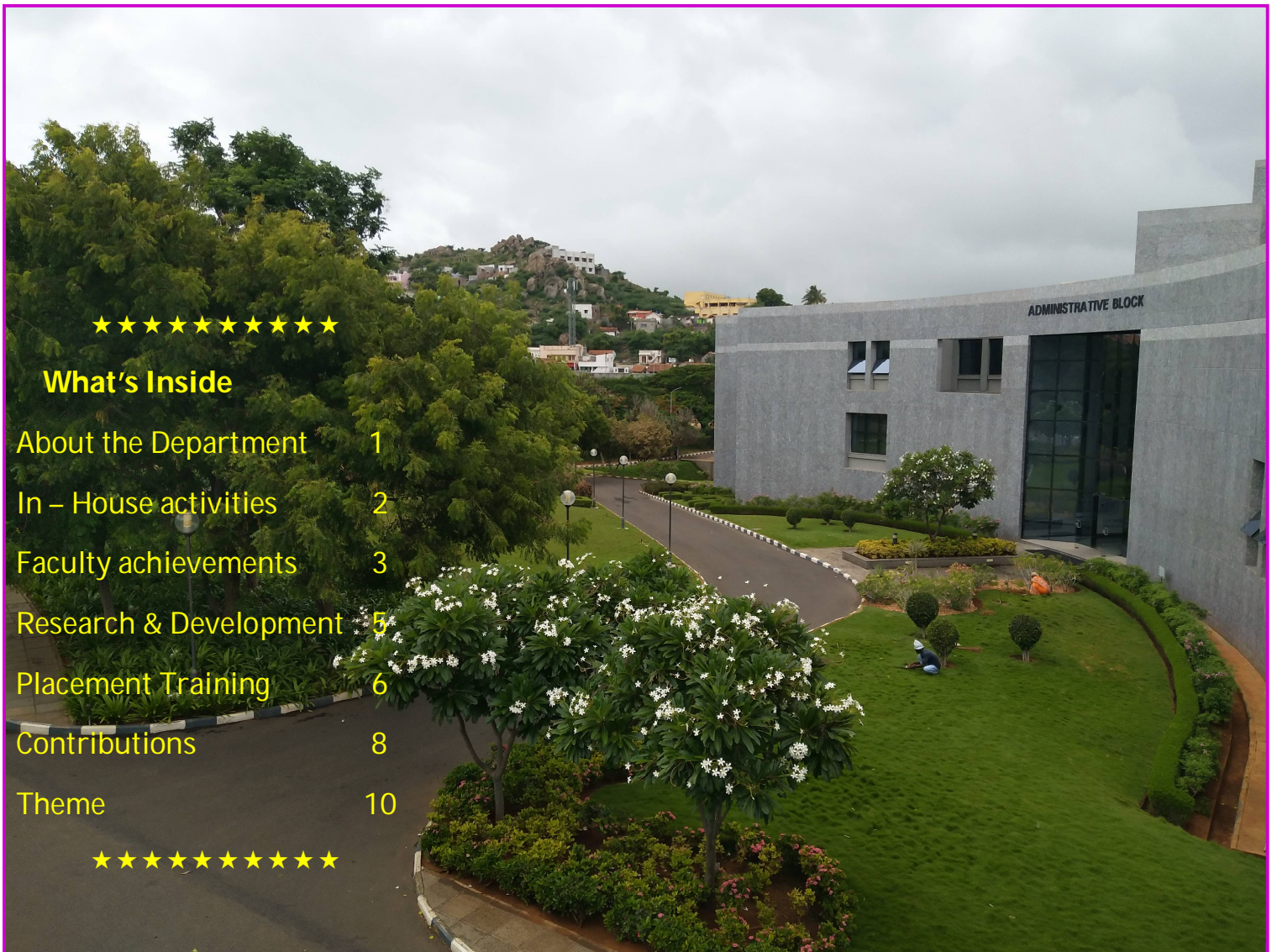
May 2018

★ ★ ★ ★ ★ ★ ★ ★ ★ ★

What's Inside

About the Department	1
In – House activities	2
Faculty achievements	3
Research & Development	5
Placement Training	6
Contributions	8
Theme	10

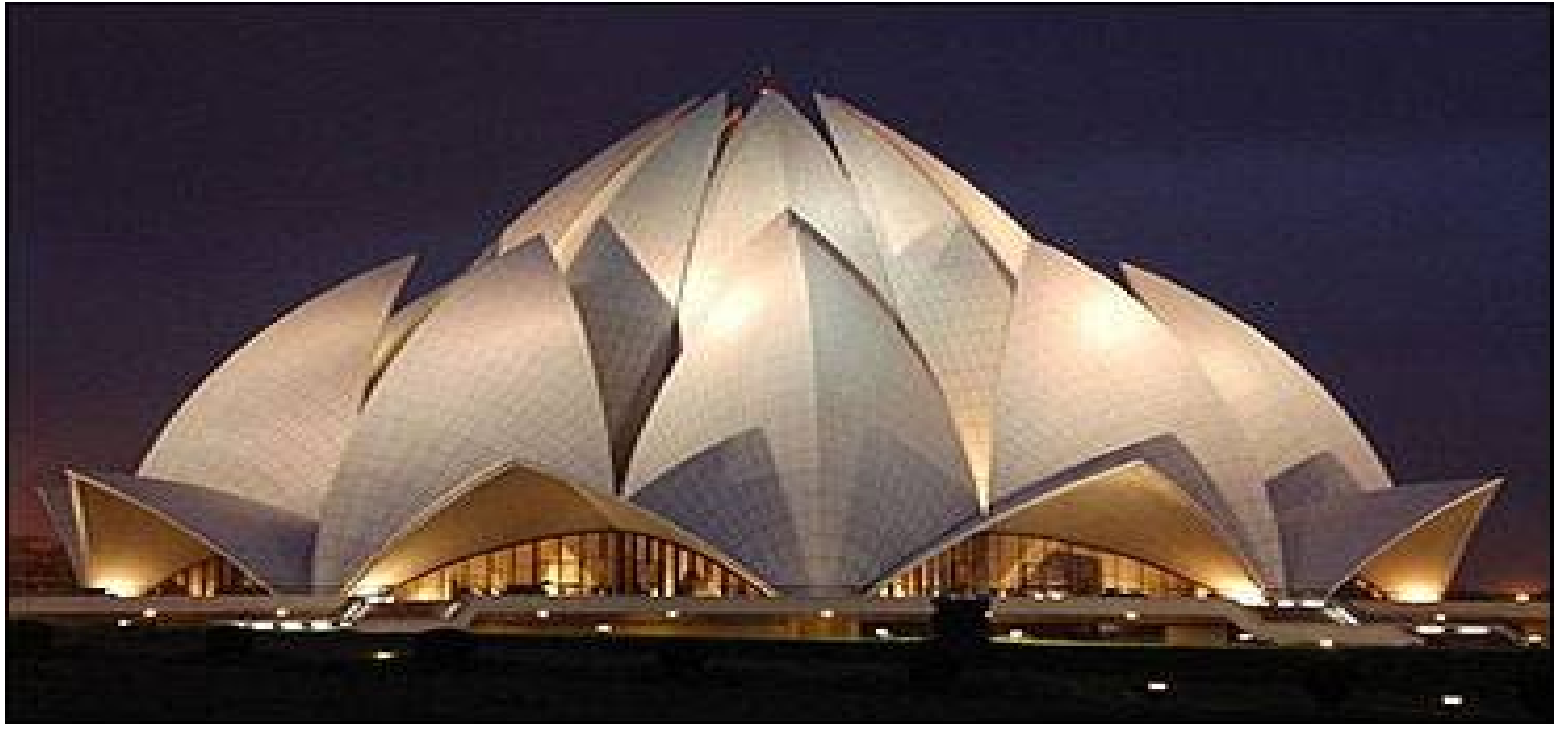
★ ★ ★ ★ ★ ★ ★ ★ ★ ★





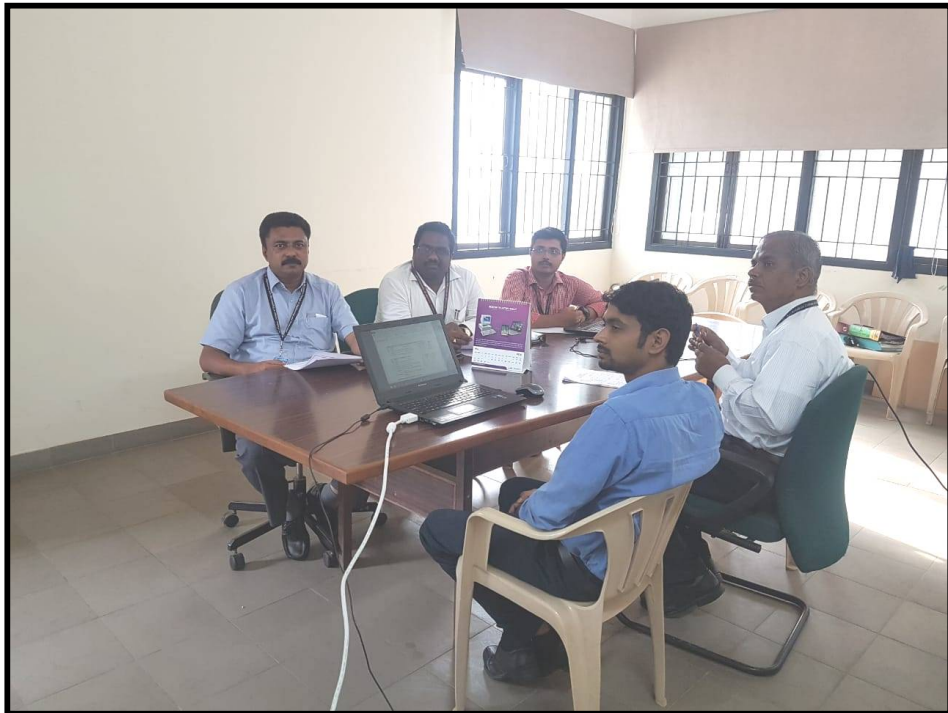
About the Department

Civil Engineering has a special status in Engineering Education. Civil Engineering plays a key role in the development of other fields of Engineering. Civil engineering is the oldest branch of all engineering which has kept its pace with the rapid growth in the field of technology. Civil engineers are born to mankind, they were born with providing urbanization such as building, transportation roadways, highway it's a countless list. To this end, we have endeavored to create a world-class educational institution that is complete in every way. Be it facilities or faculty, curriculum or career guidance, we seek to offer the very best to our students. Since the inception of this department in 2012, the department of civil engineering has been striving hard to provide pleasant ambience for moulding the young minds to scale greater heights in their chosen field of study. We treat our Students, Parents, and Society as our most valued Customers. With the help of highly qualified and dedicated staff members, we will be moulding the students to the required shape which will make them industry-ready and employable. The department is equipped with state –of–the-art and up-to-date infrastructure facilities. Our focus on academic excellence, innovation and discipline has helped us to bring laurels to this institute with students securing university ranks , winning memorials & awards.



In - House Activities

Syllabus Validation Meeting was conducted in the Civil Department Conference room on 25.05.2018. Dr.Padmanaban, Professor & Head, Department of Civil Engineering, Sri Krishna College of Technology discussed the Syllabus for I to VII semesters with D.Maruthachalam, Professor & Head, Department of Civil Engineering, SKCET. Dr.R.Elangovan, Mr.S.C.Boobalan, Mr.Prabhath Ranjan Kumar were present during the meeting.





Faculty Achievements

Our Faculty members have published their Research papers in Scopus indexed Journals and continue to pursue their research work with great interest and involvement.

Publications:

1. **D. Maruthachalam**, “Experimental Study On Mechanical Characteristics Of Self-Curing Concrete Using Natural Fibre”, International Journal of Pure and Applied Mathematics,(12), 1075 - 1084. (SCOPUS INDEXED)

2. **J. Tharrini and D. Maruthachalam**, “Computation of Optimum Proportions Of Cotton Textile Effluent In The Development Of Geopolymer Concrete”, International Journal of Pure and Applied Mathematics, (12), 1051 - 1060. (SCOPUS INDEXED)

3. **P. Saravanakumar** , “Strength and Durability Studies on Geopolymer Recycled Aggregate Concrete”, International Journal of Engineering and Technology 7 (2.24), 370 - 375. (SCOPUS INDEXED)

4. **P. Saravanakumar**, “Evaluation of Compressive Strength of Mineral Admixed Recycled Aggregate Concrete Using Multiple Linear Regression Model”, International Journal of Pure and Applied Mathematics, 119 (12), 1019 - 1029. (SCOPUS INDEXED)



5. **R. Elangovan**, “Properties of High Strength Self-Compacting Concrete with Copper Slag and Steel Fibres”, International Journal of Pure and Applied Mathematics, (12), 1031 -1050. (SCOPUS INDEXED)

6. **R. Vighnesh and S. Prabhath Ranjan Kumar**, “An Investigational study on metakaolin amended bio concrete”, International Journal of Pure and Applied Mathematics, (12), 1061 - 1074. (SCOPUS INDEXED)



Research & Development

Dr.D.Maruthachalam and **Dr.J.Tharrini** attended Two Days workshop on Excellence in Teaching- 21st Century Pedagogy on 30.05.2018 and 31.05.2018 at Sri Krishna college of Arts and Science, Coimbatore.

Dr.R.Elangovan and **Dr.J.Tharrini** attended One day workshop on “Outcome based Education for NBA accreditation – Procedures and Practices” on 10.05.2018 at Government College of Engineering, Coimbatore.





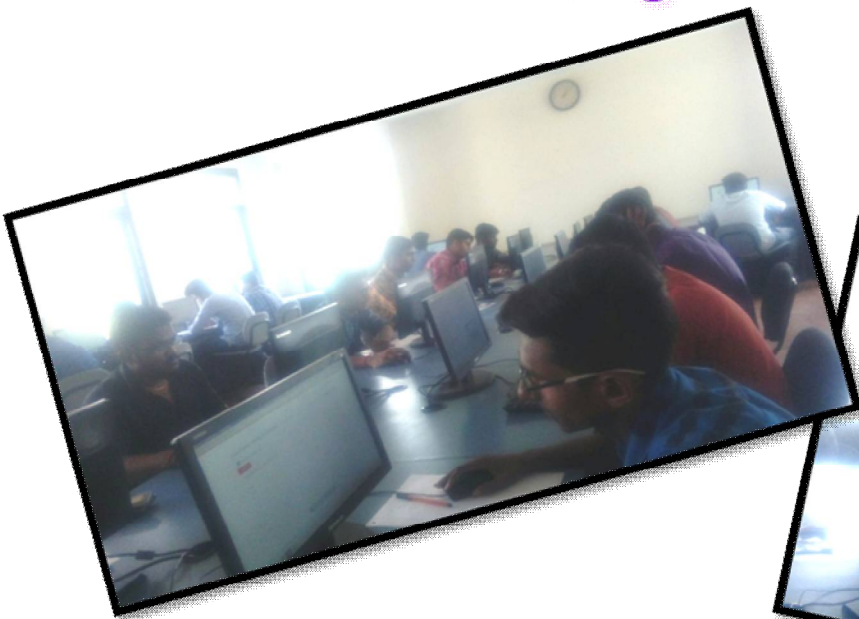
Mr.R.Vighnesh attended One month Faculty Induction Training Program at IIIITDM Kancheepuram from 07.05.2018 to 31.05.2018.



Ms.S.Vaishnavi Devi attended Five Days “Short Program on Entrepreneurship Opportunity Identification and Project Formulation” during May 7 - 11, 2018 organized by National Institute of Technical Teachers Training and Research (NITTTR - Chandigarh)



Placement Training



28 students of Third year Civil Engineering attended FACE training from 16.05.2018 to 29.05.2018

24 students of Third year Civil Engineering are attending Technical training from 30.05.2018 to 09.06.2018.

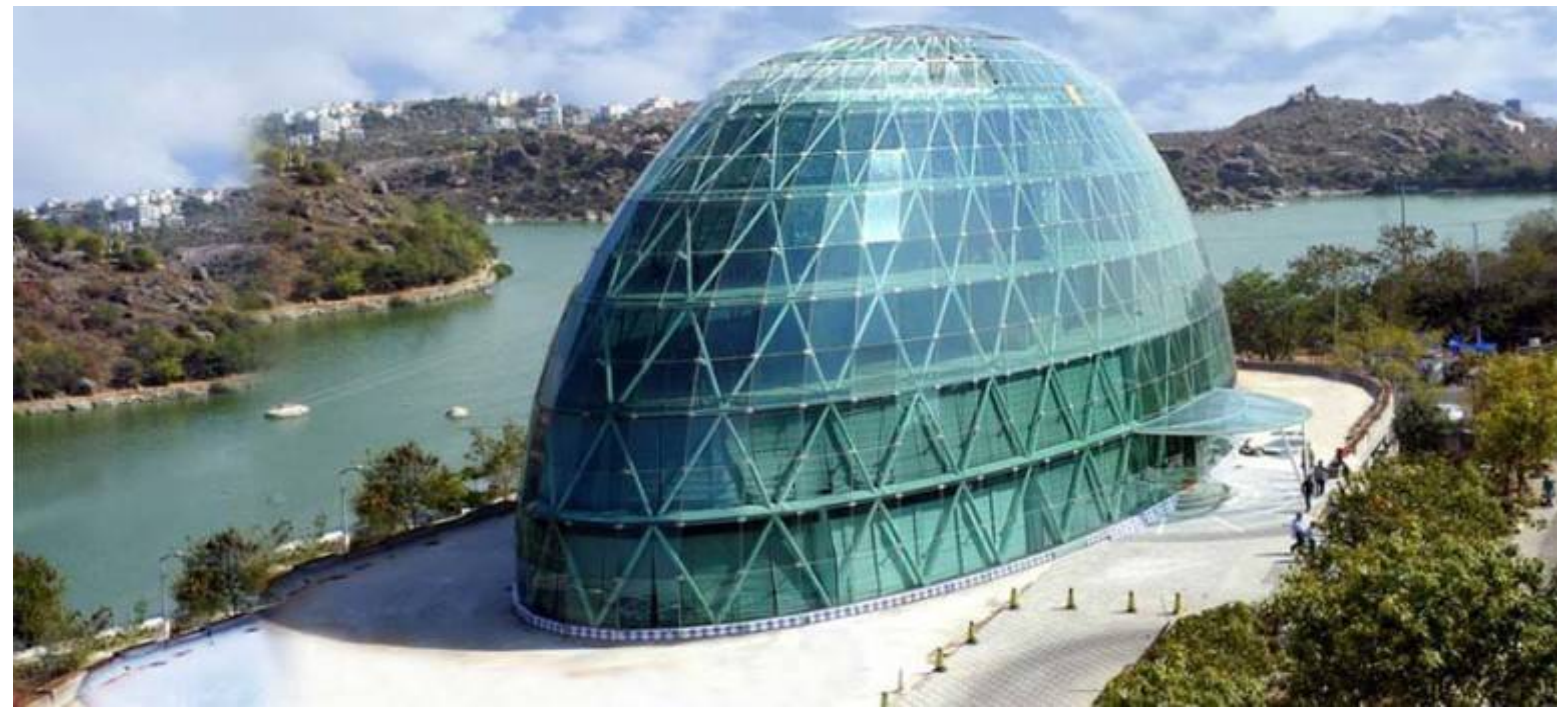
45 students of Third Year Civil Engineering who have opted for Placement have attended AMCAT- I Assessment



Contributions



J.Anuvarsha
Second Year / Civil Engineering
SKCET



Theme

The Theme of this Month's Issue is **"Modern Architecture in India"**

India is not only famous for its historic Temple Architectures but also proving its valor in Modern architecture in pace with the ever modernizing world. To name a few

1. Cybertecture Egg, Mumbai

The latest future forward design from James Law Cybertecture International is the **Cybertecture Egg**, commissioned by Vijay Associate (Wadhwa Developers) for Mumbai, India. The 32,000 sq m egg-shaped building will combine "iconic architecture, environmental design, intelligent systems, and new engineering to create an awe-inspiring landmark in the city."

2. Lotus Temple

Inspired by the lotus flower, the design for the House of Worship in New Delhi is composed of 27 free-standing marble-clad "petals" arranged in clusters of three to form nine sides. The height is more than 40 meters and holds 2500 people. The surface of the House of Worship is made of white marble from Penteli mountain in Greece.

3. Fisheries Department Building, Hyderabad

The three-story, 1,920-square-meter structure was designed this way by the Central Public Works Department of India for the simple reason that the work done inside relates to fishing.

4. Eon IT Park, Pune

Inspired by nature—India's national flower, the white lotus, **Falling Lotus Blossoms: EON IT Park** is an elegantly arranged quartet of one-million- square-foot buildings that occupy a site located in the EON Free Zone

5. Infosys Training centre, Mysore

The architecture of software development block 'Infosys building in Mysore' is known for its jagged facades and lopsided fragments style. The Japanese traditional concept of Origami (an art of folding paper) struck the architect when he visited the contoured site for the first time.

6.I- Flex solutions, Bangalore

DSP Design Associates have created an iconic building that would reflect the values of the company.' The architects, realizing that transparency in the work environment enhances team spirit and interaction, made it the focus of their design concept. Spread over 200,000 square feet, the buildings and landscape seem to be like flowing extensions of each other, reflective of the holistic approach the architects wanted to portray.

7.Naga Towers, Gandhinagar

The proposed 54-storey Naga Towers is coming up in India's largest greenfield megaproject, the Gujarat International Finance Tech-City. As the name suggests, they are inspired by the Indian cultural symbol, the 'Naga' which is the sanskrit word for the hooded cobra snake. The snakelike design is evident and according to ECADI architects, *"the springing and leaping action of the snake is reflected in the form of the buildings in a symbolic indication of awareness and vitality."* The inspiration doesn't end there, as the Naga *"concept of duality and contradiction is represented in the double motif that eventually join to make one building"*

8.DLF gateway, Gurgaon

Gateway Tower, a LEED Platinum Certified building, is called so as it acts as a gateway to the 3000 acre landmark city of DLF. This 12-storey complex is spread across an area of 0.11 mn sq. ft. With its ship-like shape, Gateway Tower presents futuristic architecture, which is also reflected in its interiors. The unique feature of this complex is its high visibility and compact office space.

9. iLabs Tecnology centre, Hyderabad

Spread over four floors near the Durgam Cheruvu, the Oval office designed by Uday Joshi Associates is named after the US presidential building. But there's no gainsaying that it's an architectural wonder whose identity has remained distinct over the years.

Management



**Smt.S.Malarvizhi,
Chairperson & Managing
Trustee**



**Mr.Sundararaman
CEO**



**Dr.J.Janet,
Principal**

Editorial Members



**Dr.D.MARUTHACHALAM
PROFESSOR & HEAD**



**Dr.J.THAARRINI
ASSOCIATE PROFESSOR**