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Volume: 08

Issue: 15

# DEPARTMENT OF CIVIL ENGINEERING

## CEAT

**Civil Engineering Advanced Technologies**

### HoD's message

I am very happy that our Civil Engineering Department is releasing the 15<sup>th</sup> issue of Department Newsletter in academic year of 2019-2020 Each issue of this newsletter is a proud milestone of our events that marks our growth, unleashes our imaginations and measures our professionalism. This issue also carries out the vibrant faculty and student creations. Newsletter is a technical platform to bring out the hidden talents of students and faculty. The major strength of the department is a team of well qualified and dedicated faculty who are continuously supporting the students for their academic excellence. I congratulate the editorial team for their great effort to make this news letter as a reality. Also I invite the readers of 'Newsletter' for their contribution and suggestions

**Mr. R. JAYASANKAR**  
**HOD-CIVIL**

### **Vision**

To produce knowledgeable and professionally qualified Civil Engineers with the capability to offer global solutions to the increasing problems in the construction industry.

### **Mission**

- To impart knowledge and training in Civil Engineering.
- To establish state-of-the-art infrastructure to enable learners to update their knowledge in current developments in Civil Engineering
- To Bridge the gap between academy and industry through practical exposure and hands-on training.

### Patron

*Dr.C.Sundar Raj*  
*Principal*

### Convener

*Mr.R.Jayasankar*  
*HoD/Civil*

### Editorial committee

- Mr.J.Arun – A.P
- Mr.S.Rameshwaran - A.P
- Mr.S.Kannan - A.P
- Mr.S.Harikrishnan - A.P
- Mr.S.Ambethkar - A.P

### Student Members

- B.Bharathbharathi - II year
- P.Praneetha - II year
- S.Suriyakala - III year
- K.Ramkumar - III year
- V.Indhumathi - IV year
- K.Jayachandran - IV year

**STUDENTS ACHIEVEMENTS:**

<b>S.No</b>	<b>Name of the student</b>	<b>Year</b>	<b>Name of The programme attended</b>	<b>Date</b>	<b>Organized by</b>	<b>Prize</b>
1	V.Vaithyanathan	III	One Day Workshop on "Land Survey"	27.09.2019	Strategic Quality Point, Thanjavur	Participated
2	S.Arulkumar	III	One Day Workshop on "Land Survey"	27.09.2019	Strategic Quality Point, Thanjavur	Participated
3	L.Lokesh	II	One Day Workshop on "Land Survey"	27.09.2019	Strategic Quality Point, Thanjavur	Participated
4	B.Bharath Bharathi	II	One Day Workshop on "Land Survey"	27.09.2019	Strategic Quality Point, Thanjavur	Participated
5	L.Lokesh	II	National Level Technical workshop on "Paradigm Shift In Advanced Construction Techniques-2"	07.09.2019	Coimbatore Institute of Technology	Participated
6	L.Lokesh	II	SHAKE IT		National Institute of Technology, Puducherry	Participated
7	L.Lokesh	II	BRICK IT		National Institute of Technology, Puducherry	Participated
8	S.Suriyakala	III	CADD MODELLING	25.09.2019	University college of engineering, Thirukuvalai	I
9	P.Malar	III	PAPER PRESENTATION	25.09.2019	University college of engineering, Thirukuvalai	II
10	N.Uma Sankar	III	Treasure Hunt	25.09.2019	University college of engineering, Thirukuvalai	Participated
11	C.Surya	III	Treasure Hunt	25.09.2019	University college of engineering, Thirukuvalai	Participated
12	K.Mahathir Mohammed	III	PAPER PRESENTATION	25.09.2019	University college of engineering, Thirukuvalai	Participated
13	K.Mahathir Mohammed	III	STEP TO WIN	25.09.2019	University college of engineering,	III

					Thirukuvalai	
14	K.Aravinth	III	TECHNICAL QUIZ	25.09.2019	University college of engineering, Thirukuvalai	II
15	K.Aravinth	III	PAPER PRESENTATION	25.09.2019	University college of engineering, Thirukuvalai	Participated
16	I.Gilbert Roshan	IV	CADD MODELLING	25.09.2019	Annamalai University	II
17	A.Gowdhaman	IV	CADD MODELLING	25.09.2019	Annamalai University	Participated
18	I.Gilbert Roshan	IV	CODE CRACKING	25.09.2019	Annamalai University	Participated
19	K.Prathisha	IV	PAPER PRESENTATION	25.09.2019	University college of engineering, Thirukuvalai	Participated
20	K.Prathisha	IV	BRICK IT	25.09.2019	University college of engineering, Thirukuvalai	Participated
21	M.Akshaya Sri	IV	BRICK IT	25.09.2019	University college of engineering, Thirukuvalai	Participated
22	R.Sowmiya	IV	PAPER PRESENTATION	25.09.2019	University college of engineering, Thirukuvalai	Participated
23	R.Sowmiya	IV	BRICK IT	25.09.2019	University college of engineering, Thirukuvalai	Participated
24	V.Priyadarshini	IV	PAPER PRESENTATION	25.09.2019	University college of engineering, Thirukuvalai	Participated
25	M.Akshaya Sree	IV	PAPER PRESENTATION	25.09.2019	University college of engineering, Thirukuvalai	Participated
26	K.Prareena	IV	PAPER PRESENTATION	29.08.2019 & 30.08.2019	Parisutham Institute of Technology and Science, Thanjavur	Participated
27	V.Indumathi	IV	PAPER PRESENTATION	29.08.2019 & 30.08.2019	Parisutham Institute of Technology and Science, Thanjavur	Participated
28	R.Ranjith	IV	Quiz	31.08.2019	Annamalai University	I
29	R.Ranjith	IV	Paper Presentation	31.08.2019	Annamalai University	Participated

30	S.Suriyakala	III	Quiz	31.08.2019	Annamalai University	Participated
31	P.Malar	III	Quiz	31.08.2019	Annamalai University	Participated
32	S.Suriyakala	III	PAPER PRESENTATION	31.08.2019	Annamalai University	II
33	P.Malar	III	PAPER PRESENTATION	31.08.2019	Annamalai University	II



Our students got overall championship in “4<sup>th</sup> National Level Technical Symposium” held at “University College of Engineering, Thirukkuvalai” on 25.09.2019

### **DEPARTMENT ACTIVITIES:**

S.No	DATE	Guest Lecture by	No.of Students
1	13.08.2019	Mr.M.Vanam Kalaimani, Vanam, NGO Mr.K.Jayaprakash, B.E, writer & social Activist.	100
2	16.08.2019	Dr.K.Krishnamoorthy, Prof/AVCCE	42
3	29.08.2019	Mr.B.Suresh M.E,Generan Manager, Chettinad Cements, Chennai	85
4	08.10.2019	Mr.K.Ramesh, Asst.Prof/AVCCE	42
5	12.10.2019	Mr.K.Ramesh, Asst.Prof/AVCCE	42



Our Department organized a guest lecture programme on the topic of  
“Engineering Management” on 29.08.2019

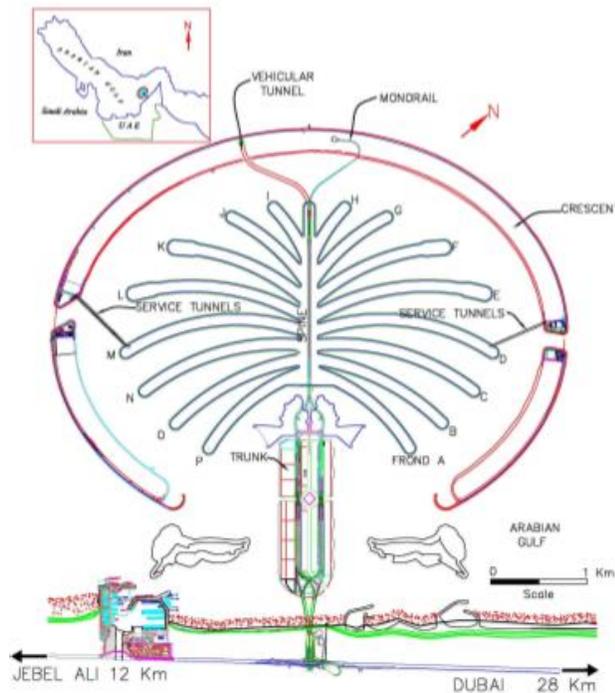
## **STUDENTS PARTICIPATIONS**

### INDUSTRIAL TRAINING

S.No	Company Name	Year	Number of Students	Date	
				From	To
1	NLC India limited	IV	09	10.06.2019	15.06.2019
2	NLC India limited	IV	06	17.06.2019	22.06.2019

TECHNICAL DATA  
PALM ISLAND, DUBAI

**Original name : Palm Island, Dubai**



Palm Islands is composed of three islands: Palm Jumeirah, Palm Jebel Ali, and Palm Deira, with the last being the most recent works in progress. Palm Jumeirah covers 600 hectares of land and with Palm Jebel Ali add 120 kilometers of beachfront to Dubai. Palm Jumeirah spans approximately four by five kilometers. Palm Jebel Ali covers 6 by 7 kilometers. Palm Deira with an area of 80 square kilometers will be the largest island out of all of them and is equivalent to the area of Paris and London. The World is an archipelago of 300 private islands each with a size ranging from 2-8 hectares, each selling for \$7 to \$35 million dollars per island. It is 4 kilometers from Dubai's coast and is a representation of the world's continents. The Palm Islands and the World extend into relatively deep water of about 10-15 meters.

All three islands have similar palm-shaped structures, although the size of each varies. Nonetheless, they all follow more or less the same state of the art engineering and construction procedures. Therefore, it is sufficient to examine mainly Palm Jumeirah's design and construction challenges, and then consider special design adjustments to the construction of the consequent islands.

All three islands share their date palm tree form with a spine, fronds, and a long trunk, a crescent shaped breakwater, sub-sea vehicular tunnel and monorail, sub-sea horizontal directional drilling (HDD) crossings on both eastern and western ends of the site and piers on each side of crescent. Palm Jumeirah, in particular, has 17 fronds and a 1.5 km long trunk.

Any suggestions: [avcccivilnews@avccengg.net](mailto:avcccivilnews@avccengg.net)