

*You Choose, We Do It*

**ST. JOSEPH'S COLLEGE OF ENGINEERING**

**ST. JOSEPH'S GROUP OF INSTITUTIONS**

**OMR, CHENNAI – 119**

**ACADEMIC YEAR (2018-19)**

**Vol : 04, Issue : 02, June 2019**

**DEPARTMENT ACTIVITIES FROM 1<sup>ST</sup> December 2018 TO 31<sup>ST</sup> May 2019**



## The Newsletter of DEPARTMENT OF CIVIL ENGINEERING

### **Vision:**

To educate the new generation civil engineers to meet the future technological needs by imparting sound technical knowledge and to improve professional leadership and management quality in public service.

### **Mission:**

- ✓ To enhance and enrich the technical knowledge in civil engineering through teaching-learning process.
- ✓ To educate the student's about the significance of professional and ethical practices.
- ✓ To facilitate the understanding and implementation of innovative ideas through research and development.
- ✓ To develop personal competence among students which will improve their entrepreneurial and managerial skills.

## DEPARTMENT ACTIVITIES

### FACULTY PUBLICATIONS

1. **Adlin Rose. R**, Meera priya N, Apsara Varshini G, presented a paper titled “ Clay modified with chicken feather fibre”, International conference on Global Environmental changes and sustainable development, 2019 held at Vel Tech Institute of Science and Technology, 4<sup>th</sup> & 5<sup>th</sup> April 2019.
2. **Thangaperumal. S**, Aishwarya. S, Gowsalya. H, “Land use and land cover change detection for Velachery using Remote sensing and GIS Technique”, International Journal of Advance research, ideas and innovations in technology, Volume 5, issue 2, March April 2019.
3. **Thangaperumal. S**, Jayasurya. K, Anbin B Bervin, “Deforestation a Quantitative analysis using Remote sensing and GIS”, International Journal of Advance research, ideas and innovations in technology, Volume 5, issue 2, March April 2019.
4. **Thangaperumal. S**, Barath. E, “Analysis in the Changes in Chennai – Pallikaranai Wetland ”, International Journal of Advance research, ideas and innovations in technology, Volume 5, issue 2, March April 2019.
5. **Thangaperumal. S**, Velan. T, Gnana Jeeva. G, “Agricultural Mapping and statistical analysis of Thanjavur district using Remote sensing and GIS”, International Journal of Advance research, ideas and innovations in technology, Volume 5, issue 2, March April 2019.
6. **Thangaperumal. S**, Monica shree. S, Noel Bhuvana rani. D.P, “A study of ground water quality and mapping using GIS Techniques in Kodungaiyur, Chennai”, International Journal of Advance research, ideas and innovations in technology, Volume 5, issue 2, March April 2019.
7. **Ruthra. R**, Poorna Chandar B presented a paper on “Mapping of Land use/ Land cover with change detection and analysis of pulicat lake” in an International conference, Industry 4.0 and Advancement in Civil Engineering at “PSG Institute of technology and applied research, Coimbatore”, 22<sup>nd</sup> & 23<sup>rd</sup> March 2019.
8. **Ruthra. R**, Divin R S, Meera priya N, Apsara Varshini G, Annamalai Chockalingam A T, presented a paper on “Piloting Communities to sustainable reuse grey water through Aquaponics – A conservation Approach” in an International conference, Industry 4.0 and Advancement in Civil Engineering at “PSG Institute of technology and applied research , Coimbatore”, 22<sup>nd</sup> & 23<sup>rd</sup> March 2019.

9. **Ruthra. R**, Divin R S, Meera priya N, Apsara Varshini G, Annamalai Chockalingam A T, presented their project on “Piloting Communities to sustainable reuse grey water through Aquaponics – A conservation Approach” in National level Inter Collegiate Project competition RENEW 2019, 27<sup>th</sup> March 2019.
10. **Ruthra. R**, Divin R S, Pranaav G, presented a paper on “Detection of Shore line changes and its environmental impacts along the southern most coastal dip of Peninsular India” in an International conference, Industry 4.0 and Advancement in Civil Engineering at “PSG Institute of technology and applied research , Coimbatore”, 22<sup>nd</sup> & 23<sup>rd</sup> March 2019.
11. **Ruthra. R , Sri Balaji. P, Banupriya. S** presented a paper on “Effect of Non Plastic silt on inter granular void ratio of sand” in an International conference, Global Environmental changes and sustainable development in Civil Engineering 2019” at Vel Tech Rangarajan Dr. Sakunthala R&D Institute of science and technology, 4<sup>th</sup> & 5<sup>th</sup> April 2019.
12. **Banupriya. S**, Shavinesh S, William Brown F presented a paper on “Experimental Investigation of Geopolymer Based Concrete” in 4<sup>th</sup> International conference on Recent trends in Engineering and Technology 2019 at St. Joseph’s Institute of Technology 3<sup>rd</sup> & 4<sup>th</sup> May 2019.
13. **Dr. Saravana priya. S, Banupriya. S**, Madhuniza S presented a paper on “Experimental Investigation on deflection characteristics of Geotextile Gabion wall” in 4<sup>th</sup> International conference on Recent trends in Engineering and Technology 2019, St. Joseph’s Institute of Technology, 3<sup>rd</sup> & 4<sup>th</sup> May 2019.
14. **Sri Balaji. P**, Hariharan P K, Jeevith prabhu J D, presented a paper on analysis of water pollution and evaluation of purification measures in an urban lake – Nanmangalam lake, in an International conference, Industry 4.0 and Advancement in Civil Engineering at “PSG Institute of technology and applied research, Coimbatore”, 22<sup>nd</sup> & 23<sup>rd</sup> March 2019.

### **FACULTY DEVELOPMENT ACTIVITIES**

1. **Adlin Rose. R** attended one day seminar on Post tensioned bridges and buildings at “IIT Madras in association with Indian Concrete Institute(ICI)”, 12<sup>th</sup> April 2019.
2. **Adlin Rose. R** attended three days National level Faculty Development Program on Meticulous Applications of software in Civil Engineering at “St. Joseph’s Institute of Technology”, 9<sup>th</sup> to 11<sup>th</sup> May 2019.

3. **Adlin Rose. R** attended FDP on Effective Teaching and Learning Practices for Design and Operation of Water Supply Systems, Department of Civil Engineering, Department of Civil Engineering in association with Teaching-Learning Centre, National Institute of Technology, Warangal, 20<sup>th</sup> May to 25<sup>th</sup> May 2019.
4. **Thangaperumal. S** attended three days National level Faculty Development Program on Meticulous Applications of software in Civil Engineering at “St. Joseph’s Institute of Technology”, 9<sup>th</sup> to 11<sup>th</sup> May 2019.
5. **Thangaperumal. S** attended FDP on Effective Teaching and Learning Practices for Design and Operation of Water Supply Systems, Department of Civil Engineering, Department of Civil Engineering in association with Teaching-Learning Centre, National Institute of Technology, Warangal, 20<sup>th</sup> May to 25<sup>th</sup> May 2019.
6. **Sri Balaji. P** attended five days Faculty Development Program on Clean Technologies and sustainable development in Civil Engineering at “Water and Environmental Division, NIT, Warangal”, 24<sup>th</sup> to 28<sup>th</sup> December 2018
7. **Sri Balaji. P** attended three days National level Faculty Development Program on Meticulous Applications of software in Civil Engineering at “St. Joseph’s Institute of Technology”, 9<sup>th</sup> to 11<sup>th</sup> May 2019.
8. **Ruthra. R** attended one day workshop on 3<sup>rd</sup> National Finite element developers, users Meet - 2018 at “Panimalar Engineering College”, 14<sup>th</sup> December 2018.
9. **Ruthra. R** attended five days Faculty Development Program on Clean Technologies and sustainable development in Civil Engineering at “Water and Environmental Division, NIT, Warangal”, 24<sup>th</sup> to 28<sup>th</sup> December 2018.
10. **Ruthra. R** attended three days National level Faculty Development Program on Meticulous Applications of software in Civil Engineering at “St. Joseph’s Institute of Technology”, 13<sup>th</sup> to 17<sup>th</sup> May 2019.
11. **Ruthra. R** attended five days Faculty Development Program on Experimental studies on Concrete and Soil Characteristics at “SRM Institute of Science and technology”, 24<sup>th</sup> to 28<sup>th</sup> December 2018.
12. **Banupriya. S** attended one day workshop on 3<sup>rd</sup> National Finite element developers, users Meet - 2018 at “Panimalar Engineering College”, 14<sup>th</sup> December 2018.

- 13. Banupriya. S** attended five days Faculty Development Program on Clean Technologies and sustainable development in Civil Engineering at “Water and Environmental Division, NIT, Warangal”, 24<sup>th</sup> to 28<sup>th</sup> December 2018
- 14. Banupriya. S** attended three days National level Faculty Development Program on Meticulous Applications of software in Civil Engineering at “St. Joseph’s Institute of Technology”, 9<sup>th</sup> to 11<sup>th</sup> May 2019.
- 15. Banupriya. S** attended three days National level Faculty Development Program on Meticulous Applications of software in Civil Engineering at “SRM Institute of Science and technology”, 13<sup>th</sup> to 17<sup>th</sup> May 2019.
- 16. Supriya. S** attended two days workshop on Smart and sustainable green infrastructure at “B.S Abdur Rahman Crescent University in association with University of technology MARA, Malaysia & Malaysian institute of Road safety research”, 3<sup>rd</sup> & 4<sup>th</sup> April 2019.
- 17. Supriya. S** attended one day seminar on Post tensioned bridges and buildings at “IIT Madras in association with Indian Concrete Institute(ICI)”, 12<sup>th</sup> April 2019.
- 18. Supriya. S** attended three days National level Faculty Development Program on Meticulous Applications of software in Civil Engineering at “St. Joseph’s Institute of Technology”, 9<sup>th</sup> to 11<sup>th</sup> May 2019.
- 19. Padmapriya. P** attended five days Faculty Development Program on Clean Technologies and sustainable development in Civil Engineering at “Water and Environmental Division, NIT, Warangal”, 24<sup>th</sup> to 28<sup>th</sup> December 2018
- 20. Padmapriya. P** attended three days National level Faculty Development Program on Meticulous Applications of software in Civil Engineering at “St. Joseph’s Institute of Technology”, 9<sup>th</sup> to 11<sup>th</sup> May 2019.

### **WORKSHOP CONDUCTED**

One Day National Student Workshop on “**STRUCTURAL MODELLING AND 3D PRINTING**” was held on **28.02.2019** by **CADDAM TECHNOLOGIES**. The 3D printers are used to produce beautiful, physical, and highly-detailed architectural models. They are saving time and money as well as winning more business by utilizing 3D printing to create intricate and durable designs straight from CAD data. The programme was coordinated by **Mr.Senthil Kumar.S.P**, Associate Professor of Civil Engineering Department. On the whole this Program has benefited the 2<sup>nd</sup> Year Students and faculty members of Civil Engineering Department.

## CONQUISTA 2019

CONQUISTA'19– the word that makes us well with pride of our achievement. CONQUISTA is the ceremony of issuing the offer letters to the students recruited through campus placement. It was held on March 30th, 2019 with grandeur. The function was presided by Chetan – Associate Director – HR, Cognizant who handed over the offer letters to the students in the presence of Dr. B. Babu Manoharan, The Chairman, Mrs. S. Jessie Priya & Mr. B. Shashi Sekar, The Managing Director & The Director and Dr. Vaddi Seshagiri Rao & Dr. P. Ravichandran, Principals of St Joseph's group of Institutions. Human resources - Campus Hiring from Cognizant and Infosys were also present as 'special invitees'. We are proud to inform that we have achieved a placement record of 1579 so far in this year. It is indeed a golden feather in the cap of St. Joseph's Group of Institutions.



### PLACEMENT DETAILS OF CIVIL ENGINEERING 18-19 BATCH

AADHITHYAN T	
BARATH E	
PRADEEP A	
GNANA JEEVA J	
NILAA M	
NIDIMUSALI YASHWANTH	
YOGESHWAR M	
GNANA JEEVA J	
MADHAN M	

## STUDENT ACTIVITIES

### CURRICULAR ACTIVITIES

To bring out the inherent talent and to overcome the inhibitions of our students, our department encourages students to participate in the technical meets organized by other institutions by presenting papers, participating in technical quiz and other competitions.

#### II YEAR

SL NO	NAME OF THE STUDENT	EVENT	ORGANISOR	PLACE
1.	Sinkaravel S	Paper Presentation	Mohamed Sathak A.J. College of Engineering	III
2.	Dhivya Bharathi T	Paper Presentation	Mohamed Sathak A.J. College of Engineering	III

#### III YEAR

SL NO	NAME OF THE STUDENT	EVENT	ORGANISOR	PLACE
1.	Sindhuja S	Code Cracking	St. Joseph's Institute of Technology	III
			Tagore Engineering College	
2.	Sundru Uma	Code Cracking	St. Joseph's Institute of Technology	III
3.	Varsha A	Code Cracking	Tagore Engineering College	II
4.	Sneha N	Code Cracking	Tagore Engineering College	III
5.	Sakthivelu P	Technical Quiz	Tagore Engineering College	III
6.	Jeffrey Kevin J	Technical Quiz	Tagore Engineering College	III
7.	Thirumal Rajan H	Technical Quiz	Tagore Engineering College	III
8.	Sakthivel M	Bridge IT	Tagore Engineering College	I
9.	Sudarsan S	Bridge IT	Tagore Engineering College	I
10.	Cyril Magimai Antoz	Bridge IT	Tagore Engineering College	I
11.	Parkavi B	Bridge IT	Tagore Engineering College	III
12.	Madhuniza S	Bridge IT	Tagore Engineering College	III
13.	A.M . Jagadish	Shake IT	National Institute of Technology, Puducherry	I

14.	S. Sriram	Shake IT	National Institute of Technology, Puducherry	I
15.	N.Muthu Maneckam	Popside Bridge	Crescent Institute of Science & Technology	II
16.	J.Edwin Sahaya Justin	Popside Bridge	Crescent Institute of Science & Technology	II
17.	R.Jai Kumar	Popside Bridge	Crescent Institute of Science & Technology	II
18.	R. Venkateshwaraen	Pro Oratory	Crescent Institute of Science & Technology	I
19.	Darius Cardoza D	Survey Hunt	Crescent Institute of Science & Technology	II
20.	A Fredrick Nethanel	Survey Hunt	Crescent Institute of Science & Technology	II
21.	G Roshan	Technical Quiz	Jerusalem College of Engineering	II
22.	K.P Naresh kumaran	Measure to Treasure	Jerusalem College of Engineering	II
23.	AMX Prabhakar	Technical Quiz	Jerusalem College of Engineering	II
24.	S. Jeffrey steve	Measure to Treasure	Jerusalem College of Engineering	II
25.	Sriharish C R	Technical Quiz	Jerusalem College of Engineering	II
26.	Vignesh A	CADD Event	Sri Venkateswara College of Engineering	II
27.	Abdullah Mohiudeen Jamal	CADD Event	Sri Venkateswara College of Engineering	II

#### IV YEAR

SL NO	NAME OF THE STUDENT	EVENT	ORGANISOR	PLACE
1	Jayasurya K	CAD Modelling	C.Abdul Hakeem College of Engineering and Technology	I
		Mind Maze		II
2	Mirapriya N	Model Making	St. Joseph's Institute of Technology	I
3	Pradeep A	Model Making	St. Joseph's Institute of Technology	I
		Code Cracking	Easwari Engineering College	II
4	Apsara Varshini G	Model Making	St. Joseph's Institute of Technology	I
5	Aadhithyan T	Code Cracking	Easwari Engineering College	I
6	Muneeshwaran S	Code Cracking	Easwari Engineering College	I
7	Yogeshwar M	Code Cracking	Easwari Engineering College	I
8	Surya Prakash D	Code Cracking	Easwari Engineering College	II



9	Gnana Jeeva J	Potential Professor	Easwari Engineering College	I
10	J.Noorulameen	Code Cracking	Arasu Engineering College	II
11	Anbin B. Bervin	Code Cracking	Arasu Engineering College	II
12	R.Ajay Srinath	Code Cracking	Arasu Engineering College	II
13	H. Gowsalya	Potential Professor	Easwari Engineering College	II

### **YOUNG ENTREPRENEUR**

**Mr.J.Noorulameen** of **Final year student** was sanctioned a loan **Rupees 9 Lakhs** under **Prime minister Employment Generation Programme (PMEGP)** for his business plan, **Coconut husk brick**. A brick is building material used to make walls, pavements and other elements in masonry construction. A brick can be composed of clay-bearing soil, sand, and lime, or concrete materials. Two basic categories of bricks are fired and non-fired bricks. Brick is a similar term referring to a rectangular building unit composed of similar materials, but is usually larger than a brick. His study mainly focuses on usage of coconut fibre in clay brick, which will reduce the cost and weight. The coconut fibre of different proportions is added to the bricks and tests were conducted to study the property of fibre added brick. Coconut husk has the capacity to keep moisture inside which help to grow plant healthier. He is going to produce coconut husk in the shape of rectangular bricks.



### **STUDENTS COMPETITIVE EXAM RESULTS**

A competitive examination is an examination where candidates are ranked according to their grades. Their results are used as entrance examination for post graduate in various Indian and foreign universities.

S.No	Name of the Exam	Score	Name of the Student
1.	IELTS	7.5	Ajai Prithivi V
2.	GRE	83%	Harshan J
3.	IELTS	6.5	Hariharan PK
4.	GATE	37.47	Gnana Jeeva J
5.	GATE	39.18	Yashwanth Nidimusali
6.	GATE	33.28	Yogeshwar M

## **BEST PROJECT AWARD 2019**

Mirapriya N and Apsara Varshini G, Divin R S, Annamalai Chockalingam A T students of final year has won **Best Project Award** in a **National level Inter Collegiate Project competition RENEW 2019**, 27<sup>th</sup> March 2019 which held at Sathyabama Institute of Science and Technology. The Mentor for the project **Ms. Ruthra.R**, Assistant professor, Department of Civil Engineering who constantly motivated and encouraged the students to achieve this award. The project has entitled as **PILOTING COMMUNITIES TO SUSTAINABLY REUSE GREY WATER THROUGH AQUAPONICS – A CONSERVATION APPROACH.**

