



# **Dhirajlal Gandhi College of Technology**



**Department of Civil Engineering**

**News Letter 2017-2018**

# Department of Civil Engineering



**HOD/CIVIL :**

Dr.S.SANKARAN.,M.E(Struct).,M.E(Inf.Sc.&Engg.),, Ph.D

## News Letter 2017-2018



## Department of Civil Engineering

The objective of the CIVIL department is to foster the students to cultivate academic integrity with professional and social responsibility to meet the exponentially growing requirement of practical engineers in the country and abroad. The department has highly qualified, experienced and dedicated faculty members who have a strong commitment towards providing quality engineering education with high emphasis of civil engineering aspects and to bring out quality research experience to the students in order to help them excel in current competitive scenario. The mission of the department is to impart quality education to the students, an education that includes the skills of innovation, problem solving, consensus-building and those of entrepreneurship, so that they meet the challenging requirements of the global market with competence in ethical and moral reasoning.

### Vision

- To meet the growing demands of industry, research and consultancy in diverse disciplines of civil Engineering by developing a conducive teaching – learning environment with futuristic vision

### Mission

- To produce competent Civil Engineers who can tackle multiple responsibilities of emerging construction sectors.
- To establish center of excellence to enhance research with latest soft techniques tools.
- To impart education to meet the demands of changing global needs with value added programs.
- To produce Professional Civil Engineers with ethical and societal responsibilities of elevated values.
- To provide pedagogic environment for state – Of – art training courses, resulting in practical applications.
- To motivate young Entrepreneurs by learning through evolving technologies and industry based training programme.



*BORN TO DESIGN*

# *Department of Civil Engineering*

***-The Place to build impossibles***

## Association Inauguration

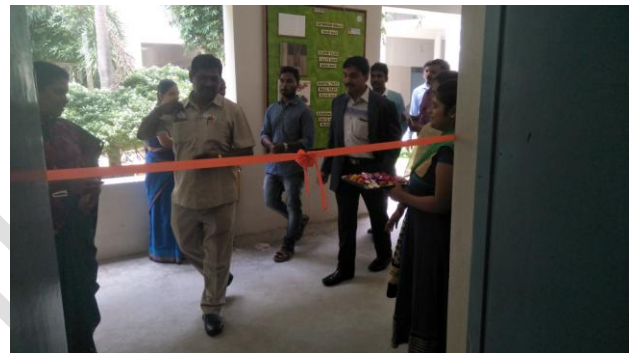
The Association Inauguration of Civil Engineering Department (BRAVE – Builders Resurgent Association for Vibrant Engineers) was conducted at DGCT on 11.08.2017 at 11.30 am in the college premises.

The Chief Guest of the function, Mr. R.P.C.Gnanaprakasam, M/s. Geo Adithya Technologies, Chennai delivered his speech on “Expectation of HR during placement”. In addition to that, he addressed the importance of Communication development in different languages such as Hindi and local language other than mother tongue.



## Engineers Day Exhibition

5<sup>th</sup> Open House Exhibition on Science & Technology was held at institutional level on 31 August 2017. Eleven students from Civil Engineering department hosted their models. The Exhibition was inaugurated by Mr. Vijaya Banu, Founder PVS Construction, & Mr. V. Mani, Salem Civil Engineering Association.



## **Guest Lecture**

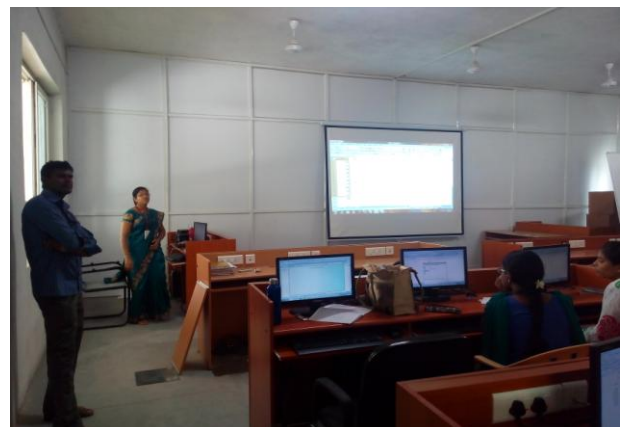
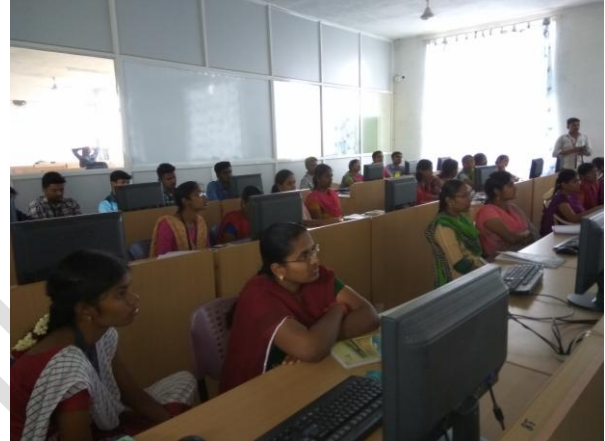
Guest lecture on Estimation and Quantity Surveying by I.Srinivasan, Senior Drafting Officer, Tamil Nadu Highways for the staff members and students on 15.07.2017



Main objective of the training was to create awareness for the students about the preparations of detailed estimate consist of working out quantities of various items of work and then determining the cost of each item of works and the Details about Tender & Documents. Students gained some knowledge about Estimation and cost Analysis.

## **Workshop**

Workshop on “**Hands on Training in Microsoft - Excel**” by Dr.Gulshan Taj, Ms.M.Nithya ,Ms.S.Narmadha, Ms.S.R.Nivetha and , Ms.N.Hemalatha of Civil department for the benefit of Final year Students on 07.08.2017-09.08.2017



**A workshop on “Hands on training on Vasthu & Unit Conversion”** by Mrs. S.Narmadha, AP/CIVIL, Ms.M.Nithya, AP/CIVIL, Mr. S.Palaniapan, Associate Professor, DGCT for the benefit of Second and Third year Students on 17.02.2017.



The Main objective of the training was to aware the students about the unit conversion from meter to feet, mile, acre, yard, measuring an area and preparation of plan. Students gained some knowledge about practical construction and measurement.

## FACULTY ACHIEVEMENTS

### Faculty achievements for the year 2017-18(Odd Semester)

S.NO	DESCRIPTION	TOTAL
1	Journals Publications	01
2	FDP	02
3	Workshop	01
4	Seminar	02
Total		06

### Publication of papers in the journals

Sl.No	Name of the Faculty	Title of the paper	Name of the journal	National/International	Year of publication with Page and Volume Number
1	S.Gobinath	Planning & Design of a satellite township for hosur town	Imperial Journal of Interdisciplinary research	International	Vol - 3 , Issue - 4, PP 1816-1821, 2017



**Guest Lecturer / Seminar given by our faculty (Both Within and other than DGCT)**

S.No.	Name of the Staff	Topic	Venue/Organized by	Date
1	Mr.G.Silambarasan	Sub Structures, Construction Equipments(Guest Lecture)	Auditorium - DGCT	12.9.2017

**Summer/Winter Schools, Workshops, Conferences, Seminars,FDTP, Special Programmes etc attended by the staff members (other than DGCT)**

Sl. No.	Name of the Staff with designation	Name of the Programme/ Winter/Summer School/Workshop/etc.	Venue / Organized by	Duration From - To
1	P.Balamurugan	Faculty Development Programme – Principles of Corrosion and Corrosion Prevention in Engineering Industries	A.C College of Engineering & Technology, Ariyalur	27.11.2017 to 03.12.2017
2	Mr.P.Prabhu	Faculty Development Programme	Teaching Learning Centre, Indian Institute of Technology Madras	01.11.2017-03.11.2017
3	S.Gobinath	4P's of Flood Management	Nandha Engineering College	7.7.2017
4	S.Gobinath	Water Proofing solutions - NT & T	FOSROC, Construction chemicals	22.11.2017

**Awards/Honors Received by faculty**

Sl. No.	Name of the Faculty	Designation	Name of the Award/Honor	Sponsored by	Date
1	Dr.M.N.A.Gulshan Taj	HOD/Professor	Best Women Engineer	IEI(Institution of Engineers)	16.9.2017

**Training programme Proposals (Management, AICTE, ISTE, CSIR, TNSCST,UGC, Industry, Any other etc)**

Sl. No	Name of the Staff	Title	Sponsoring organization	Amount (in Rs.)	Status*
1	Dr.M.N.A.Gulshan Taj	One day workshop on Role of engineers in Green Building for sustainable construction	IEI	Rs 10,000/-	Sanctioned

**Summer / Winter Schools, Workshops, Conferences, Seminars, Special Programmes etc organised by the faculty members**

Sl. No.	Name of the faculty with designation	Name of the Programme organized	Venue	Duration From - To	Number of participants	Name of Sponsored Agencies
1	Dr.M.N.A.Gulshan Taj	One day workshop on Role of engineers in Green Building for sustainable construction	Seminar Hall/ DGCT	07.06.2017	35	IEI

**Details of the Consultancy activities of the Department**

Sl. No.	Name of the faculty	Nature of Consultancy work	Name of the Organization	Amount (in Rs.)	Status Completed/ Under progress
1	12.6.2017 &	Soil Testing(Proposed Industrial	Mr. Manicka vasagam, S.F.No : 201/2	Rs 12,000/-	Completed

	25.2.2017	Building)	Kondappanayakanpatty, Village, Yercaud Foot Hills, Salem district		
2	07.11.2017	<b>Soil Testing</b> (Propose d Industrial Building)	S.K.Garments, S.F.No : 463/7  Thadangam Village & Panchayat,  Nallampalli Union, Dharmapuri District	Rs 4000/-	Completed
3	20.11.2017	<b>Soil Testing</b> (Existing School Building)	Marutham School, S.F.No: 36/8A, 8B, 8C, 3A7B, 3B1, 3C2B; 68/2; 67/1A.  Chennampatti Village, Morappur Union, Harur Tk, Dharmapuri District.	Rs 10,500/-	Completed
4	20.12.2017	<b>Soil Testing</b> (Propose d School Building)	Er.N.Kumaran, S.F.No : 93/6B, 93/7B, 94/1A  Sivagamiammal Group of Institutions,  Orappam Village, Krishnagiri Taluk & District.	Rs 12,000/-	Completed
5	10.11.2017	Cube Testing	RAMCO Cements	Rs.240 /-	Completed
6	20.11.2017	Cube Testing	RAMCO Cements	Rs.240 /	Completed
7	6.11.2017	Cube Testing	RAMCO Cements	Rs.240 /	Completed
8	11.12.2017	Cube Testing	RAMCO Cements	Rs.240 /	Completed
9	23.10.2017	Cube Testing	RAMCO Cements	Rs.240 /	Completed

**Industrial Visit:**

Sl. No.	Sem	No. of Students	Date	Name of Industry Visited	Name of the Faculty accompanied
1	IV	97	2.12.2017	RPP Constructions, Bangalore	Mr.P.Prabhu Mrs.S.Narmadha Ms.N.Hemalatha Ms.M.Nithya Mr.B.Dhilipkumar
2	II	42	7.12.2017	Tejas city developers and builders	Mr.M.Karthick Mr.K.Vijayasurya Ms.S.R.Nivetha

**STUDENT ACHIEVEMENTS:****Student's undergone NPTEL courses**

S No	Name	Year	Course	Certification
1	M DIVYA	IV	NPTEL	ELITE
2	JAYASREE	IV	NPTEL	ELITE
3	PRIYADHARSHINI	IV	NPTEL	ELITE
4	NAGALAKSHMI	IV	NPTEL	ELITE

**Students participated and won prizes in other special events**

Sl. No	Name of the Student(s)	Class	Title of the paper	Venue	Prizes/Place
1	M.Jayasree	IV A	RCMPS for construction projects	Kongunadu college of engineering(namakal)	II

2	J.Karthika	IV A	RCMPS for construction projects	Kongunadu college of engineering(namakkal)	II
3	Harisundar G K	IV A	CDW Bricks	Bannariamman Institute of Technology	Participated
4	Niveditha.M	III B	Phoenix International Media Centre China C S	Knowledge Institute of Technology	II
5	Shyamadharshini.M	III B			II
6	Sujith Saravanan.M	III B	Manufacture of C Bricks	Bannari Amman Institute of Technology	Participated
7	Tamilmani.V	III B	Structural Health monitoring	AVS Engineering College	Participated
8	Santhanam.S	III B			Participated
9	M.Raghul	III B			Participated
10	K.Arul Murugan	II A	Highway Engineering	Vidhya Vikas engineering college	III
11	V.Hariprasad	II A	Role of Engineering	Vidhya Vikas engineering college	III
12	N.Dhivya Bharathi	III A	Green House	Knowledge Institute of Technology	Participated
13	R.Bhavatharani	III A			
14	A.Dhehesh	III A			

**Mini Projects / Models done by students:**

<u>Projects</u>				
Sl. No.	Title of the Project / Model	Name of the student(s)	Year of Study	Name of the Guide
1	Epoxy 3D Flooring	Siva.P, Vijayakumar.S, Sathish.V,	III/CIVIL/B	R.Suganya

		Siva.C		
2	Caterpillar Mode of Smart Transport	Ajit kumar.S, Gopinath.S ,Manigandan.B, Arulseivan.R	IV/CIVIL/A	S.Narmatha
3	Structural Health Monitoring using Sensors	Niveditha.M, Raghul.M, Santhanam.S, Tamilmani.V	III/CIVIL/B	S.HarishKumar
4	Ultra Cheap Water Cleaning	K.Durgadevi, B.Gopika, K.Kanimozhi, P.Janani	II/CIVIL/A	M.Nithya
5	Generating Current from Plant E-Technique	S.Poovarasi, A.Tharinee, S.S.Pavithra, R.Pameela sri	III/CIVIL/B	R.Manikandan
6	Bamboo and paper reinforced concrete	Madhushri.J, Ahamed zebier.M, Abinaya.J , Kannan.N	III/CIVIL/A	N.Hemalatha
7	Biogas production from solid waste	Abinaya.J, Dhanush nandan.V, Madhushri.J, Monisha.J	III/CIVIL/A	P.Balamurugan
8	Removal of multi ions by bisorption	R.Nasreen,	III/CIVIL/A	P.Prabhu

	process	R.bavatharini, G.Murugeswari, N.Dhivyabharathi		
<b>MODELS</b>				
1	Laminar and Turbulent Flow	Srimaan.R, Arul Murugan.K ,Venkatesh.G	II/CIVIL/B	M.Arul kumar
2	Permeable Pavements	Harivignesh.V.S, Hariharan.V, Dhanasekar.R, Bharathi.N	III/CIVIL/A	M.Vijay Surya
3	Safety Rollers in Highway	Sakthibalan.A, Manoj.MS, Nithish Kumar.S	III/CIVIL/B	P.Prabhu
4	Road Printer	Hemalatha.A, Gowthami.S, Iswarya.R, A.M.Arun	III/CIVIL/A	Dr.M.N.A.GulshanTaj
5	Floating Bridge	Monisha.J ,Ahamed Zebier.M, N.Kannan.M, Adityan.K	III/CIVIL/B	N.Hemalatha
6	water hyacinth root	SoWndarya.S	III/CIVIL/B	R.Manikandan

	fibre on clayey soil	,Padmeshram.A, Thiruselva.R, B.Sivasurya		
7	Building with base isolation Techniques	Pavithra.N, Shanmugi.S, Soundarya Lakshmi,B	III/CIVIL/B	R.Manikandan
8	Rapid Affordable Housing	Ramakrishnan.C ,kavinilavan.S, pooja.S, tharani.P	IV/CIVIL/AB	G.Silambarasan
9	Papercrete	T.N karishma, A.kavya bharathi., S. keerthana, R.divya	II/CIVIL/A	Dr.M.N.A.GulshanTaj
10	Recycling of Waste Water	Monisha rani.S, Keerthana.M, Bhuvaneshwari.P	III/CIVIL/A	P.Balamurugan
11	PLASTIC ROADS	Agila.G, Kameswari.K.B, Gokulprasath.A, Nishandhan.D	III/CIVIL/A	Dr.M.N.A.GulshanTaj



**Association Activities :**

Sl. No	Date	Name of the Programme	Name of the speaker with designation and address	Topic
1	07.06.2017	Workshop	S.Vidya Architect, M. Devi Green building Consultant, Mukesh & Associates	One day workshop on Role of engineers in Green Building for sustainable construction (IEI)
			Mr.perumal, Mukesh & Associates	
			2M. Devi Green building Consultant, Mukesh & Associates	
			S.Arunachalam	
2	15.7.17	Hands on Training	Ms.S.Narmadha, AP/Civil Mr.N.Harishkumar, AP/Civil	Unit Conversions
3	17.7.17	Guest Lecture	Insight to estimation and cost analysis for public and private sector	Insight to estimation and cost analysis for public and private sector
4	7.8.17	Hands on Training	M.N.A.Gulshan Taj HOD/DGCT Ms.M.Nithya AP/Civil Ms.S.Narmadha AP/Civil S.R.Nivetha AP/Civil N.Hemalatha AP/Civil Ms.Mohanapriya AP/Civil	Hands on training on Microsoft Excel
5	11.8.2017	Association Inauguration	Mr.R P C Gnanaprakasam, Director, Geo aditya Technologies, chennai	Guest Lecture on topic expectation of HR during placement
			Mr.B.Sachidhanandan, Director, M/S TOPSOL, CHENNAI	Guest Lecture on topic Opportunities for engineers in civil field

**Co curricular activities ( quiz, s/w debugging, designing activities, Marketing etc.)**

**(Within DGCT)**

S. NO.	Name of the student	Year	Name of the programme	Venue / Organized by	Date	Prize/ Palce
1	Abinaya	III	IIRS Course	DGCT	3.7.2017	Participated
2	Adithyan	III	IIRS Course	DGCT	3.7.2017	Participated
3	Dhanush Nandhan	III	IIRS Course	DGCT	3.7.2017	Participated

**Co curricular activities ( quiz, s/w debugging, designing activities, Marketing etc.)**

**(Other than DGCT)**

S. NO.	Name of the student	Year	Name of the programme	Venue / Organized by	Date	Prize/ Palce
1	M.Jayasree	IV A	Bridge Modelling	Kongunadu college of engineering(namakal)	12.8.2017	participated
2	J.Karthika	IV A	Bridge Modelling	Kongunadu college of engineering(namakal)	12.8.2017	participated
3	Nandhakumar. R	IV B	Build Expo - 2017	Salem	8.12.2017 to 11.12.2017	II
4	Pandian.P	IV B				
5	Ragupathi. R	IV B				
6	Sathish kumar.K	IV B				
7	Arul Murugan K	II A				
8	Soundaralakshmi	III B	Porotherm Bricks(poster)	Mahendra college of Engineering	21.8.2017	III
9	Shanmugi	III B				
10	Niveditha.M	III B	Heliostat reflectors for underground car	Knowledge Institute of Technology Knowledge Institute of	5.10.2017	I

11	Santhanam.S	III B	parking(poster)	Technology		
12	V.Hariprasad	II A	Brick Maze	Vidhya vikas Engineering College	15.9.17	II
13	K.Arul Murugan	II A		Vidhya vikas Engineering College	15.9.17	
14	S.K.Dharaneesh	II	Vasthu planning & Approval planning(Works hop)	Mahendra Architect & Interior Designers	8.7.2017	Participated
15	G.Saranth Kumar	II				
16	J.Ragul	III				
17	P.Siva	III				
18	Mr.Rajiv	III				
19	A.Kishore Kumar	II				
20	V.Sathish	II				
21	S.Sanju	II				
22	N.Bharathi	II				
66	D.Sankarii	II	3D Printing (Workshop)	SA 3D SOLUTION, IIT M, Research Park	29.7.2017	Participated
67	S.Nithyaa	II				
68	N.Purnalakshmi	II				
69	V.Hariharan	II				
70	S.Monisha Rani	III	Govt Regulations for structures(works hop)	Karpagam University	4.8.2017	Participated
71	M.Keerthana	III				
72	Bhuvaneshwari P	III				
73	Nasreen R	III				
74	<u>Murugeswari</u>	III				
75	Hemalatha A	III				
76	Agila. G	III				
77	Gowthami S	III				

78	Iswarya R	III				
79	Gowthami S	III	Youth Leadership	ICT Academy	23.8.17	Participated
80	Iswarya S	III				
81	Kameshwari K B	III				

**Extra-curricular activities ( Sports and Games) ( Other than DGCT)**

S. NO.	Name of the student	Year	Name of the programme	Venue / Organized by	Date	Prize/ Place
1	G.Karthik	IV	Hand Ball	Knowledge Institute of Technology	21.09.2017	III
2	K.Kesavan	III	KHO KHO	Annapoorna Engineering College	27.9.17	Participated
3	K.Kesavan	III	Khabadi	Adhiyamaan College of Engineering	27.9.17	Participated
4	K.Kesavan	III	Cricket	Adhiyamaan College of Engineering	6.7.17	Participated
5	Boopalan	III	Cricket	Adhiyamaan college of engineering	6.7.17	Participated
6	Dev Gokul	III	Kho Kho	Annapoorna Engineering College	27.9.17	Participated
7	Ghanesh kumar	III	Decathlon High Jump	Adhiyaman college of engineering	12.9.17	I

*Thank You*