

DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING



Vision

To provide excellent education to meet the growing demands of industry, research and consultancy in all disciplines of Civil Engineering by developing a conducive teaching-learning environment and to improve the quality and social standards of human life.

Mission

To produce competent Civil Engineers who can tackle the tasks of Civil Engineering which include multiple responsibilities of analysis, design, construction of traditional and modern structures, water resources, transport, urban planning & remote sensing, green and eco friendly concepts in construction industry.

DEPARTMENT ACTIVITIES ODD SEMESTER 2015

STUDENT ACTIVITIES – June 15 Paper Presentation:

- 35 No of students have done the paper presentation in various Institutions and 8 of them Won the prizes.
- 35 Students have participated in various events in other Institutions and 155 No of students had participated in DGCT itself and 5 of them won the prizes.

DESIGN COMPETITIONS

- GRAPHICAL BASED WARNING SYSTEM FOR EARLY DAMAGE DETECTION IN RAILWAY TRACKS – By Mr.Harish Kumar, Ms.Sandhiya, Ms. Priyadarshini, Ms. Yasmin
- HYBRID MASTER HEALTH MONITORING (HMHM) APPROACH FOR HIGH RISE BUILDINGS USING LabVIEW -- Mr. Prem Raj, Ms.Poorvaja, Ms. Latha, Ms. Nihitha , Mr. Ramakrishnan in **NIYANTRA 2015**

- DESIGN OF COMPOSITE HIGHWAY PAVEMENT PANELS USING SCRAP FROM RUBBER TYRE AND STEEL CANS. Mr. Oblivishnuvardhan in **INGENIOUS 2015**

WORKSHOPS/SEMINARS

Seminar on "LV DAQ using NI LabVIEW" at Hotel Cenneys Gate way, Salem on 23.7.2015 was attended by Mr. Prem Raj, Ms. Poorvaja of III yr students.



ENGINEER'S DAY CELEBRATIONS 2015

Guidelines for Engineer's Day Projects / Posters / Models were identified in these area to participate.

- Remote Sensing, GIS, Groundwater Engineering
- Smart Materials, Smart Structures, Structural Health Monitoring
- Waste water management, Solid Waste Management, Environmental Impact Assessment
- Transportation Engineering, Highway Engineering,
- City Surveillance
- Seismic Design of Structures
- Construction Management, Resources Management

PROJECTS

11 projects were identified in the above topics and guided by Staff.

Snapshots of the displayed Projects



MODELS

6 Models were initiated by our Students and displayed on that day



POSTERS

16 poster Entries were displayed on that event.



ENTREPRENEUR DEVELOPMENT CELL (EDIC)

MOTIVATIONAL TALK

Motivational talk addressed by Dr. S. Samson for the B.E 2nd & Final Year Students during the month of JULY 2015.



DESIGN COMPETITIONS

Our Passed out PG student Ms M.SHRUTHI has applied for 46th All India Design Competition conducted by National Design and Research Forum, Bangalore on the topic Vertical casting of ferrocement wall panels for low cost housing units

NI-LAB VIEW DESIGN COMPETITION

Participants:

Prem Raj.K.S	III-B
Poorvaja.R	III-B
Nihitha.R	III-B
Ramakrishnan.G	III-B
Latha.S	III-A

STAFF PUBLICATIONS

International

1. Structural Behaviour of Di-Blended fiber reinforced concrete slab panel , JOSE,Chennai – By Mr. Prabu.
2. Delineation Of Groundwater Recharge Potential Zones In Namakkal District, Tamilnadu, India Using Remote Sensing And GIS -- Journal of Indian Society of Remote Sensing – Springer – By Dr. S.Samson.
3. Multivariate statistical analysis to assess groundwater quality in Namakkal district, Tamil nadu, India -- Indian Journal of Geomarine Science – CSIR – By Dr. S.Samson.

SEMINAR/WORKSHOP/CONFERENCE ATTENDED BY THE FACULTY

- **Faculty Development Program** (Sponsored by Anna University) on **CE6502– Foundation Engineering** – attended by Ms.M. Nithya & Mr. S.Palaniappan during June 18 to 20 , 2015.
- FDP on **“Construction Practices”**- Bannari Amman Institute of Technology, Sathyamangalam – participated by Mr. Silambarasan.G during Aug 11-12,2015
- **Soft Computing techniques using Matlab** at Kongu Engineering college, Perundurai during July 20-21 , 2015 – attended by Dr. Gulshan Taj.
- **One Day Workshop on “Higher Education Conclave, Technology Integration for Higher Education”** conducted by CII at Hotel Park Plaza, Salem – participated by S.Sivakumar.
- **One Day Orientation Programme conducted at DGCT, Salem** – attended by Ms. Hemalatha and Ms. Tharini
- One day (12/08/15) Workshop on **“Structural Analysis”**- AVS College of Technology, Salem – participated by Ms.Tharini.R.K & Ms.Hemalatha.N
- One Day (21/08/15) Project Exhibition at Kongu Engineering College, Perundurai – attended by Mr. S.Palaniappan.

PUBLICATIONS REVIEWED IN JOURNAL BY OUR STAFF

- ❖ “Assessment of Groundwater Quality Index for Drinking Purpose Using Geographical Information System (GIS) and Multi-Criteria Decision Analysis (MCDA) Techniques” – reviewed by Dr. S.Samson for Journal of Indian Society of Remote Sensing.
- ❖ “Analytical solution of nonlinear cylindrical bending of functionally graded plates” – reviewed by Dr. Gulshan Taj M.N.A for Techno Press.

STAFF MEMBERSHIP DETAILS

- Associate Member, Institute of Research Engineers and Doctors (IRED) obtained by Ms. N. Hemalatha.
- Membership obtained from International Association of Engineers (IAENG) by Ms. N. Hemalatha.

PROPOSALS SENT

1. Seminar grant request made on “Nuclear waste management: The challenges and solution” to Nuclear studies Research -- By Dr. M.N.A.Gulshan Taj, Dr. S. Samson.
2. Seminar grant applied on “Seismic retrofitting of structures” to Nuclear studies Research, to DST – By M.Nithya, N.Harish Kumar.

COMBINED LECTURE

- Combined lecture by Dr.S.Samson on “Strength of Materials” – second year students on 15 July 2015



- Combined lecture by Dr. Gulshan Taj M.N.A on “Landforms” – second year students on 23 July 2015



VALUE ADDED Programme:

- 98 students participated in the Value Added courses on StaddPro, AutoCAD and MS Projects conducted In-house.

CONSULTANCY ACTIVITIES

- Compression Tests on Paver Blocks & cubes were performed by the consultancy Wing Group and revenue generated. [Rs.1350/=]



UNIVERSITY RESULTS

- **93 percent graduation in B.E. Civil Engineering**
- **100 percent graduation in M.E Structural Engineering**



ASSOCIATION ACTIVITIES BRAVE-2K15

Association Inauguration on 19/08/2015



Chief Guests for Association Inauguration

- ❑ Interactive session on "Concrete Technology" with our students.
- ❑ Valuable tips to our students
- ❑ Accepted to give Employability training for our students



Mr.K.Jayasankar,
Asst.Vice President,
Ultratech Cement
Ltd,
Chennai.



- ❑ Interactive session on "plumbing works in building & advanced construction equipment" with our students.
- ❑ Accepted to give placement opportunities in consultancies for our students.

Mr.K.Mallikarjunan,
Technical Manager,
M/s. Raja Housing Ltd
Bengaluru.



SOIL LAB TRAINING PROGRAM

Resource Person:



Mr.K.Sridhar,
Quality cum material Expert,
Chennai outer ring road
project, Chennai.



VARIOUS ACTIVITIES IN CLASS

- Quiz
- Model/Demo
- GD (Group Discussion)
- Connections
- Etc...



PLACEMENT ACTIVITIES

- 55 companies are identified and interacted as a part of Placement activities as listed below.

- Hariharan Foundation
- Chettinad Builders
- Ramco Ready Mix Concrete
- MSP RMC
- Ultra Ready Mix Concrete (P) Ltd.
- RDC Concrete (India) Pvt Ltd
- Lafarge Aggregates & ConcreteIndiaPvt Ltd
- Velsell Ready Mix Concrete
- Sagham Builders
- Crescentz homes and infrastructure Pvt Ltd

- Rajadurai Construction Pvt. Ltd
- G RAMAMOORTHY CONSTRUCTIONS (I) PVT LTD
- Sree Daksha Property Developers (India) Pvt Ltd
- Praedium Developers
- Akshaya Developers
- Royal Shelter
- Puravankara
- Ultra Vision Housing
- PNR Housing private limited
- Sri Subiksham Builders
- Mount housing & infrastructure limited,
- Adinath foundations pvt. ltd.
- Sakthi elegant towers india pvt ltd,
- Adinath foundations pvt. ltd.
- Triumph Realtors India Private Limited
- CHATHAMKULAM BUILDERS
- Ramani Realtors Pvt. Ltd.

AMCAT TRAINING AND RESULTS

- TOTAL NUMBER OF STUDENTS TRAINED FOR AMCAT EXAM-
- STUDENTS GOT AMCAT SCORE- 02

GATE COACHING

- 36 NO OF STUDENTS REGISTERED FOR GATE to get benefit of Coaching