CIVIL ENGINEERING DEPARTMENT BROCHURE

Government College of Technology
(An affiliated institution of Anna University)
Coimbatore - 13

2025

DEPARTMENT OF CIVIL ENGINEERING

VISION AND MISSION OF INSTITUTION

VISION

To emerge as a center of excellence and eminence by imparting futuristic technical education in keeping with global standards, making our students technologically competent and ethically strong so that they can readily contribute to the rapid advancement of society and mankind.

MISION

- To achieve Academic excellence through innovative teaching and learning practices.
- To enhance employability and entrepreneurship.
- To improve the research competence to address societal needs.
- To inculcate a culture that supports and reinforces ethical, and professional behavior.

VISION AND MISSION OF DEPARTMENT

VISION

To provide quality education in Civil Engineering to the societal growth in sustainable manner on par with global standards

MISION

- To establish the process of teaching and learning to meet the global standards for sustainable built environment
- To make Civil Engineering department a renowned high-tech consultancy centre.
- To carry out socially relevant and forward looking research for societal needs.
- Integrated with opportunities for teamwork, leadership, values, ethics and social activities.

DEPARTMENT OF CIVIL ENGINEERING

PROGRAMME EDUCATIONAL OBJECTIVES *(PEOs)*

PEO1	The graduates will achieve a high level of technical expertise to contribute effectively to the development of sustainable infrastructure.
PEO2	The graduates will be prepared to work as part of an organization, or pursue entrepreneurship or research, by adapting to emerging technologies.
PEO3	The graduates will demonstrate ethics, moral values, professionalism, and leadership with a strong sense of social responsibility.

PROGRAMME SPECIFIC OUTCOMES *(PEOs)*

PSO1	Graduates will be able to design and execute various buildings and infrastructure projects in a sustainable manner
PSO2	Graduates will be able to excel in their professional career and development in research and innovation
PSO3	Graduates will be able to give solution for the complex Civil Engineering problems with professional ethics, leadership and good communication capabilities.

DEPARTMENT OF CIVIL ENGINEERING

MILESTONES……..

1945	Establishment of Civil Engineering & Commencement of B.E. Civil Engineering
1971	Introduction of M.E. Structural Engineering
1971	Introduction of PTBE in Civil Engineering
1981	Introduction of M.E. Environmental Engineering.
2002	Recognized as research Centre
2003	TEQIP Phase - I Sanctioned
2005	Accreditation of B.E. Civil Engineering course by NBA for 3 years
2007	Introduction of M.E. Geotechnical Engineering
2008	Construction of separate seminar hall block under PART - II schemes
2009	Raised to double intake of B.E. Civil Engineering course.
2009	Accreditation of B.E. Civil Engineering course by NBA for 3 years
2012	Establishment of Centre of Excellence for Environmental Studies with TEQIP funding
2016	Accreditation of B.E. Civil Engineering course by NBA for 5 years
2015	Geotech block constructed from IRG earning by the dept
2017	Accreditation of M.E. Structural Engineering course by NBA for 3 years
2019	Accreditation of M.E. Environmental Engineering course by NBA for 3 year's
2021	Collaborative Centre Co-CREATE established with an industry
2021	Accreditation of B.E. Civil Engineering course by NBA extended for 1 year
2021	Accreditation of M.E. Structural Engineering course by NBA extended for 1 year
2022	Accreditation of B.E. Civil Engineering course by NBA for 3 years

DEPARTMENT OF CIVIL ENGINEERING

STUDENTS STRENGTH & PROGRAMMES OFFERED

B.E. CIVIL ENGINEERING (FULL TIME)

I YEAR - 115
II YEAR - 128 **TOTAL = 495**
III YEAR - 125
IV YEAR - 127

M.E. STRUCTURAL ENGINEERING

I YEAR - 13 **TOTAL = 25**
II YEAR - 12

M.E. ENVIRONMENTAL ENGINEERING

I YEAR - 12 **TOTAL = 25**
II YEAR - 13

M.E. GEOTECHNICAL ENGINEERING

I YEAR - 13 **TOTAL = 23**
II YEAR - 10

DEPARTMENT OF CIVIL ENGINEERING

LABORATORY FACILITIES

STRENGTH OF MATERIALS LABORATORY

HYDRAULICS LABORATORY

ENVIRONMENTAL ENGINEERING LABORATORY

CONCRETE LABORATORY

SURVEY LABORATORY

ADVANCED GEOTECH LABORATORY

GEOLOGY LABORATORY

BIOTECHNOLOGY RESEARCH LABORATORY

STRUCTURES RESEARCH LABORATORY

SOIL MECHANICS LABORATORY

SOIL RESEARCH LABORATORY

COMPUTER LABORATORY

HIGHWAY LABORATORY

CONSTRUCTION MATERIALS DEVELOPMENT LABORATORY

STRUCTURAL MODELS & IRRIGATION LABORATORY

GEO-ENVIRONMENTAL ENGINEERING LABORATORY

NDT LABORATORY

SCIL LABORATORY

DEPARTMENT OF CIVIL ENGINEERING

SOME MAJOR EQUIPMENTS IN THE LABORATORY

LOADING FRAME

CONCRETE PERMEABILITY APPARATUS

COVERMETER

CONCRETE IMPERMEABILITY APPARATUS

KALPAN TURBINE

TOTAL STATION

INFRARED MOISTUREMETER

FTIR SPECTROMETER

SWELL PRESSURE

HAND HELD GPS

TRIAXIAL TESTING MACHINES

DEPARTMENT OF CIVIL ENGINEERING

FACULTY PROFILE

Dr. R. Thenmozhi
Professor & Head of
Civil Engineering
Structural Engineering
Experience: 34 yrs

Dr. J. Jeyanthi
Professor & Head of
Environmental Engineering
Geotechnical Engineering
Experience: 34 yrs

Dr. S. P. Jeyapriya
Professor (CAS)
Geotechnical Engineering
Experience: 24 yrs

Dr.S. Chithra
Associate Professor
Structural Engineering
Experience: 19 yrs

Dr .R. Chithra
Associate Professor
Structural Engineering
Experience: 19 yrs

Dr. M. Rama
Associate Professor
Construction Engineering
and Management
Experience: 22 yrs

Dr. V. Satheeskumar
Associate Professor
Structural Engineering
Experience: 13 yrs

Dr. K. Rekha
Assistant Professor
Structural Engineering
Experience: 19 yrs

Dr. M. Kumar
Assistant Professor
Geology
Experience: 18 yrs

Dr. M. C. Ravathi
Assistant Professor
Structural Engineering
Experience: 12 yrs

Prof. S. Makesh Kumar
Assistant Professor
Structural Engineering
Experience: 12 yrs

Dr.R.Bhuvaneswari
Assistant Professor
Water Resources Engineering
Experience: 14 yrs

Prof. P. Andavar
Assistant Professor
Structural Engineering
Experience: 8 yrs

Prof. C. Bharathi
Assistant Professor
Structural Engineering
Experience: 12 yrs

DEPARTMENT OF CIVIL ENGINEERING

FACULTY PROFILE

Dr.P.Nirmal
Assistant Professor
Structural Engineering
Experience: 8 yrs

Prof.K.Rajeshkumar
Assistant Professor
Environmental Engineering
Experience: 8 yrs

S. Revathi
Assistant Professor
AP (Contract)
Experience: 10 yrs

M. Saravanakumar
Assistant Professor
AP (Contract)
Experience: 4 yrs

P. Hemalatha
Assistant Professor
AP (Contract)
Experience: 3 yrs

S. SASIKALA
Assistant Professor
AP (Contract)
Experience : 5 yrs

S.R. Sujin
Assistant Professor
AP (Contract)
Experience: 6 yrs

A. SANGEETHA
Assistant Professor
AP (Contract)
Experience : 2yrs

P. Karthigaiselvi
Assistant Professor
AP (Contract)
Experience: 7 yrs

R. Kaviya
Assistant Professor
AP (Contract)
Experience:1yrs

S. Ashmi
Assistant Professor
AP (Contract)
Experience: 3 month

DEPARTMENT OF CIVIL ENGINEERING

FACULTY ACHIEVEMENTS

Dr.P.Thamarai, felicitated with Life time Achievement award by ICI and Ultratech Cement Limited

Dr. P. Thamarai, Received Best Engineer Award from ACCE Coimbatore Chapter

Dr. S.Chitra, has received the International Best Researcher Award from Royal Research Award Ceremony , ISSN International Science & Technology Award and Congress 2022 (IISTAC 22) on 3 November 2022 .

Dr.R.Thenmozhi, has produced 19 Ph.D scholars

Dr. J. Jeyanthi. has produced 15 Ph.D scholars

Dr. M. Rama, received NPTEL Believer, Enthusiast, Motivated Learner, Discipline Stars certificate.

Dr. M.C.Ravathi, has received the Outstanding Thesis Award and Dr. R.Chithra, has received the Outstanding Guide award for the year 2022 by ICI, Coimbatore Centre and Ultratech Cement Limited

Dr. M. C. Ravathi received a Certificate of Appreciation from Anna University for publishing a Q1 journal paper.

DEPARTMENT OF CIVIL ENGINEERI NG

FACULTY LEVEL ACHIEVEMENTS

Consultancy
Over 3 Crore IRG was generated through consultancy

Publication
Over 76 Science direct journal published during Assessment year

PhD Produced
Around 10 completed and 31 ongoing research scholar during assessment year

FOP Attended
90 FDP were attended by faculty member

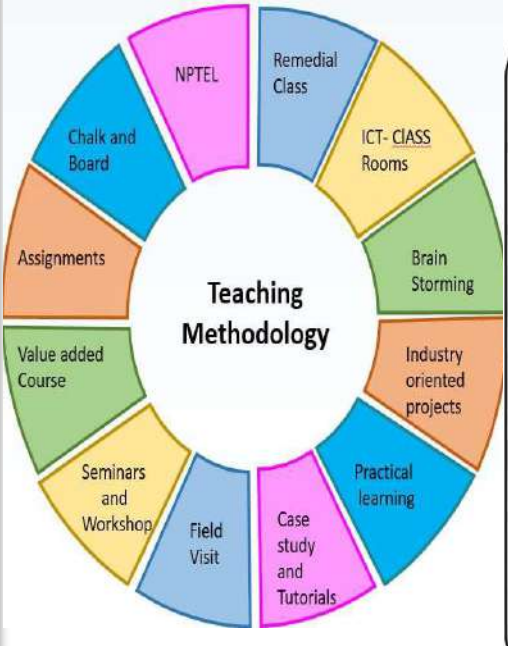
Funded Project
16.8 Lakh funded project

STC/ FDP/ Seminar Organized
50 Event were organized for students

Research Lab
5 research Lab for encouraging research apart from regular lab

Mou's
13 Mou's were signed with industry

FACULTY COMPETENCIES IN CORRELATION TO CURRICULUM



INNOVATION BY FACULTY IN TEACHING AND LEARNING

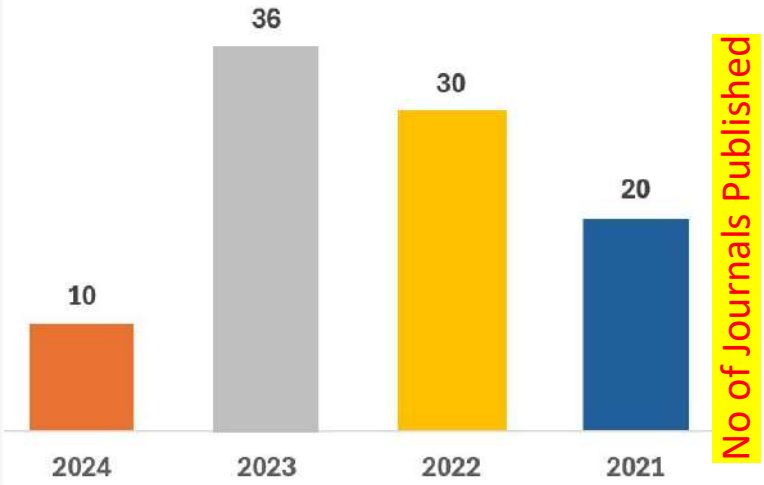
1	Learning with real physical structural elements available in Model Park, GCT
2	Learning with technology involving creation of YouTube channel
3	Learning with Course Certifications (NPTEL, Coursera,etc)
4	Learning by Research Paper
5	Learning by Industrial Visit
6	Teaching through Collaboration(Group discussions, Group Projects)
7	Teaching through industrial consultancy
8	Demonstration of Project through Animated Video and handmade Poster
9	Teaching through Alumni Interaction
10	Teaching through Virtual Labs
11	Student Technical Seminars
12	Virtual Teaching –(LMS) (Google Class Room)
13	Project Based Learning
14	Teaching through Animations and Presentations
15	Learning by Technology (Blogs, Online Test Tools-Moodle)
16	Digital Library

DEPARTMENT OF CIVIL ENGINEERING

PUBLICATIONS

NON SOLUS

ELSEVIER



INTELLECTUAL PROPERTY INDIA

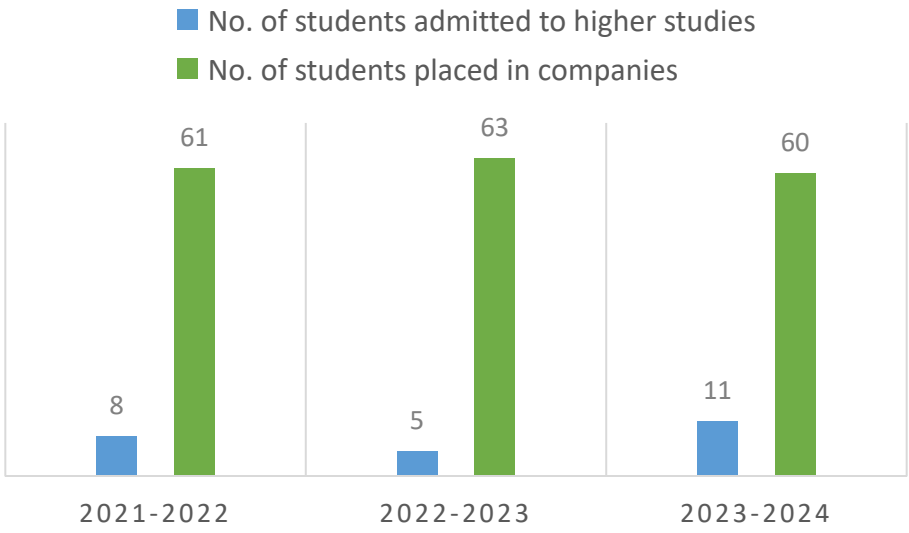
No. of Patents : 9

FUNDED PROJECTS

S.No	Name of the Faculty	Project Title	Funding Agency / Scheme	Total Cost Rs (lakh)	Duration	Status
1	Dr. J. Jeyanthi	Design and Evaluation of Novel Transdermal Patches for the effective insulin delivery in Type 2 Diabetic patients.	AICTE-RPS	5.80 lakhs	(2020-2023) 3 Years	Completed
2	Dr. J. Jeyanthi	Establishment of Institutional Herbal Garden at GCT Coimbatore with Endangered Medicinal Plant	Ministry of Ayush National Medicinal Plants Board	10.80 lakhs	(2023-2028) 5 Year	Ongoing
3	Dr. R. Thenmozhi	Experimental Investigation on performance of sustainable concrete	TNSCST-Student Project Scheme	0.075 lakhs	(2023-2024) 1 Year	Completed

DEPARTMENT OF CIVIL ENGINEERING

PLACEMENTS & HIGHER STUDIES



Max. Package Rs.14.5LPA

Avg. Package 5 - 6 LPA

McGill UNIVERSITY

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI 1964

IIT PALAKKAD

ANNA UNIVERSITY PROGRESS THROUGH KNOWLEDGE

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR 1951 योगः कर्मसु कौशलम्

PROFESSIONAL SOCIETIES

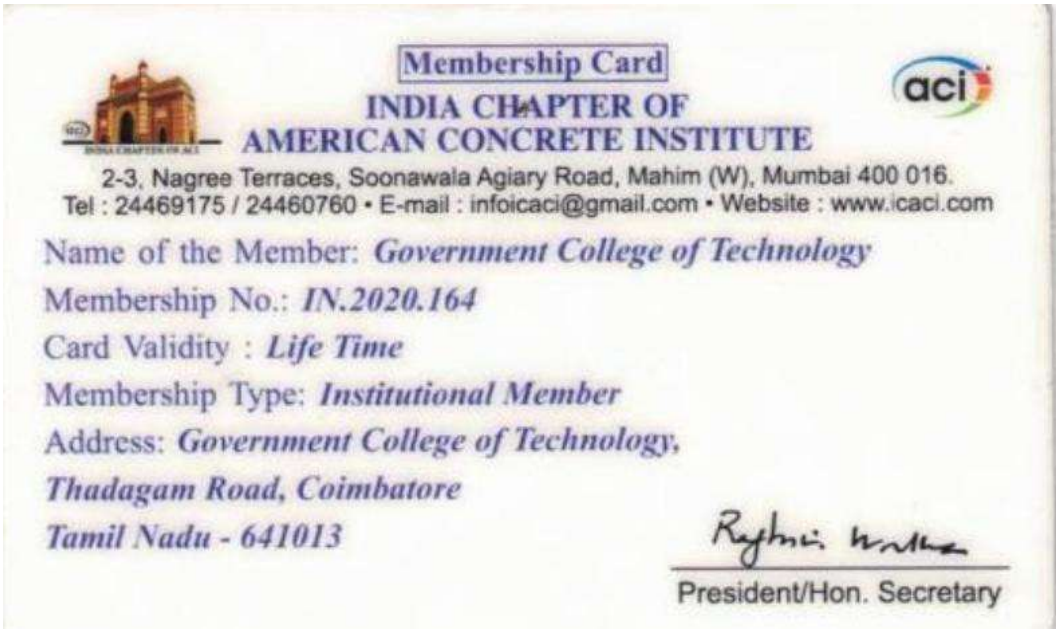
Membership in Professional Societies/Chapters

INDIAN CONCRETE INSTITUTE
Organization Life Member

INDIA CHAPTER OF AMERICAN CONCRETE INSTITUTE
Institutional Member

INDIAN GEOTECHNICAL SOCIETY
Local Chapter

CONFEDERATION OF INDIAN INDUSTRY,
Coimbatore
Member



Yellow Cap Community

YCC was started by the Civil Engineering students of GCT in 2019. It began as an initiative to engage students with industry pioneers and to enhance their skills in every possible way, helping them achieve their goals more effectively. The club has organized numerous workshops and seminars conducted by experts for Civil Engineering students.

Website: yellowcapcommunity.in

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EVENTS ORGANIZED

S. No.	Academic year	Number of events and workshops organized
1	2022 – 2023	**33**
2	2023 – 2024	**24**
3	2024 – 2025	**25**

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CO- CURRICULAR ACTIVITIES

Soil Designing Event – IITM Winners

Winners of Technical Event at CIT,Coimbatore

CSIR-SERC: Diamond jubilee celebration quiz Competition Runner Up and won Grant prize : ₹ 9000

National Level Tech. Hackathon Civil Engineering Design and Analysis grand prize for Civilthon '24 : ₹15,000

Covai zone civil engineers association, Mastermind quiz winner

Foreign Lang. Training course

Technical Event at CIT,CBE : Winners

CONCRETA 22 -Overall Championship

Overall Championship trophy In CIVILIZATION 23 at Anna University, Chennai

DEPARTMENT OF CIVIL ENGINEERING

EXTRA CURRICULAR ACTIVITIES

DEPARTMENT OF CIVIL ENGINEERING

Civil Forces Behind Every Structures

Ysc

Tarshini - Vice President
Balaji - TDC coordinator
Afra - TDC Coordinator
Darmitaa - Executive member
Dharshini - Executive menber

AAC

Nandini rodrigeus – Cadet under officer
Ajith pandi – Sergeant
Aarthi sri - Sergeant

SJC

Dhasawana Keerthi – Photographer
Archena - Reporter

Club Designations

NSS

Mohan raj - President
Thirupathi- secretary
Agalya v - Joint Secratary
Padmapriya - Treasurer
Sachin - Social media handler

AAC

Denisha - President
Pradhiksha -Secretary of Women Welfare
Pratiba - Session Coordinator
Akassh MD - Secretary

Sports

Divin - Chess Vice Captain
Akassh MD - Atheletics Captain
Dharanisri - Chess Coordinator
Aruna - Hockey Captain

TMFA

Muthu mathesh-Silambam head
Pandi Priya -Content Writer
Sridevi-Session Coordinator
Srinidhi R-Paarai Coordinator
Thamarai Selvi P-Joint Secretary
Srikanth S-Joint Secretary

CAS

Yamini R- Secretary

NDLI

Afra - Vice President

LDS

Akash P- Secretary
Raveena – Drama Coordinator

ASSOCIATION ACTIVITIES

The Civil Engineering Association organizes the inter-college symposium INCEAN and the intra-college symposium GEOFEST every year. It encourages students to actively participate in the various events conducted during these symposiums.

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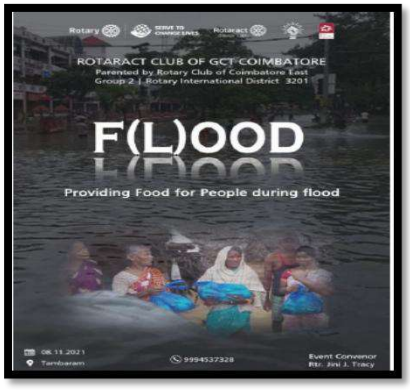
SOCIAL RESPONSIBILITY ACTIVITIES

16.04.2023 - Cleaning of Periyanaiyaken Palayam pond

Service during Flood

Accident-Prone Area Survey and Road Safety Improvement Program

05.02.2023 – Mega Marathon on behalf of World Cancer Day



Punnet Sagar Abhiyan – 17.09.22 Cleaning of water Ecosystem Coimbatore – Ukkadam Lake

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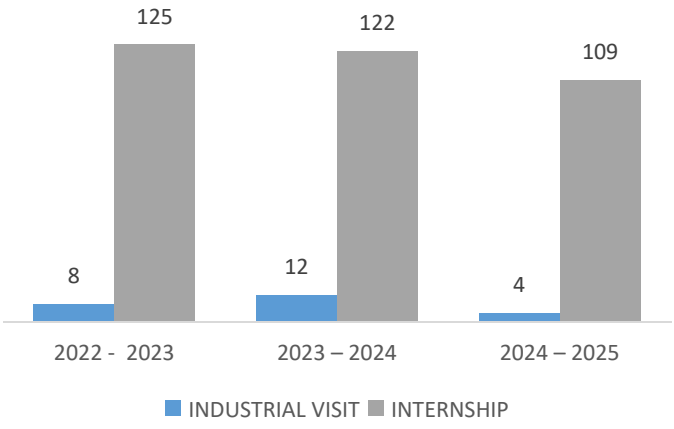
INDUSTRIAL VISITS & INTERNSHIPS



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CONSULTANCY SERVICES

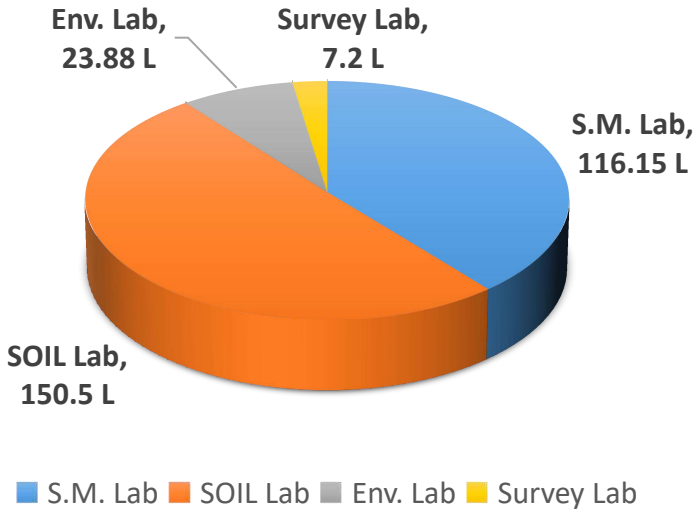
Consultancy Activity

- *Structural Design of Buildings*
- *Design verification*
- *Stability checking of buildings*
- *Pile Foundation design*
- *Industrial Effluent treatment*
- *Municipal sewage treatment for corporation*
- *Solid waste management*
- *Air quality monitoring*
- *GPS and Total station surveying*

Testing Activity

- *Building Materials Testing*
- *Soil Testing*
- *Pump and Pipe Testing*
- *Water Quality Testing*

Internal Revenue Generation



DEPARTMENT OF CIVIL ENGINEERING

MoU's SIGNED

armour Steel Buildings

THE RAMCO CEMENTS LIMITED — RAMCO

INFINUSTECH

LINCOLN UNIVERSITY COLLEGE

D-CAD Engineers & Consultants

PYRAMID DESIGN INDIA PVT LIMITED

STRUCTWEL

SG STRUCTURAL ENGINEERS — ENGINEERS/ARCHITECTS

HITECH

CAPITAL ENGINEERING CONSULTANCY — ABUDHABI

KARTHIKEYAN ASSOCIATES

Governmental & Military — IMTI — Irrigation Management Training Institute

DEPARTMENT OF CIVIL ENGINEERING

RENOWNED ALUMINI

Dr. Ravindra Gettu
Institute Chair Professor
IIT Madras, Chennai

Dr. P. Thamarai
Former Principal
GCT, Coimbatore

Dr. A.R. Senthil Kumar
Scientist E
National Institute of Hydrology, Roorkee

Dr. S. Shanmugam
Founder and Chairman
United Institute of Technology, Coimbatore

Er. P. Sriram
Project Director,
Delhi Metro Rail Corporation (DMRC),
Delhi

Er.G.T.Senthilnath
Associate Principal-Tunnels
EIC Activities, Queensland, Australia

Mr.M. Arun Kumar
Assistant Commissioner
Commercial Tax, Govt. of Tamilnadu

Dr. S. Neelamani
Senior Research Scientist
Kuwait Institute for Scientific Research, Kuwait

Mr.Vishwanathan,
President, Builders Association, India.

Dr. N.Prakash
Associate Professor
IIT Mumbai

Er.J.Umashankar
Cluster Lead – Construction, Amazon Web Services, Mumbai

Dr.Jayashree Chandalawada
Integrated Environmental Modeller, Data Scientist, Entrepreneur
Singapore

Mr.S. Sedhu Madhavan, IAS
Sub collector & Sub Divisional Magistrate
Revenue Department, Govt of Andrapradesh

Mr.R. Jagadeesh, IFS
Deputy Conservator of Forests
Environment,Forest and Climate change Department

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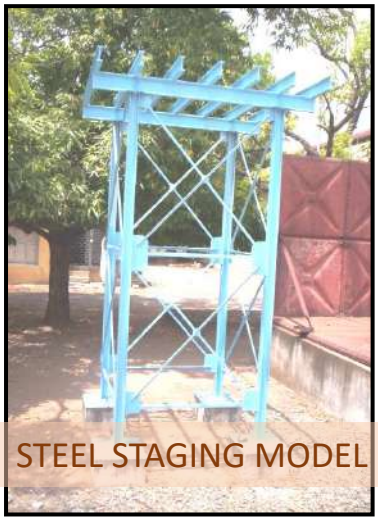
STRUCTURAL MODELS

INTZE TANK MODEL

INTZE TANK MODEL



STEEL STAGING MODEL

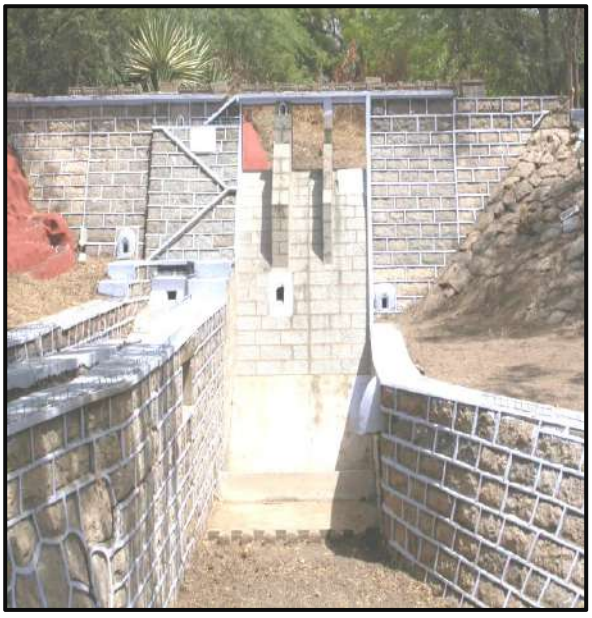
BOW STRING BRIDGE MODEL

RETAINING WALL

COMBINED FOOTING MODEL

DEPARTMENT OF CIVIL ENGINEERING

IRRIGATION MODELS



DEPARTMENT OF CIVIL ENGINEERING

www.gct.ac.in

Linkedin : https://www.linkedin.com/in/department-of-civil-engineering-gct-b1251a380

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