



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

Criteria 6.3.3: Average number of professional development / administrative training programs organized by the institution for the teaching and non-teaching staff during the last five years

Name of the Event	Graphene – Nanotechnology in Civil Engineering
Date	29-03-2019 to 30-03-2019
Resource Person(s)	Dr. P. Veeramani Chief Scientist, CSIR Dr. T. Theivasanthi Research Faculty, Dr. Barun Das, Scientist, R&D Cooksen India Pvt.Ltd
Venue	Mahatma Gandhi Auditorium

A National Seminar on
“Graphene –
Nanotechnology in Civil Engineering”
29th & 30th March 2019

REGISTRATION FORM

Name :

Designation :

Organization :

Mobile :

E-Mail ID :

Payment details

DD. No.:

Bank :

Amount : Date:

Signature of the Participant

Signature of the Head of the Institute with Seal

ORGANIZING COMMITTEE

CHIEF PATRONS:

Col. Prof. Vel Dr. R. Rangarajan
Founder Chancellor & President

Dr. Sagunthala Rangarajan
Foundress President

PATRON:

Prof. V.S.S. Kumar
Vice Chancellor (Officiating)

ADVISORS:

Prof. Dr. techn. Koteswara Rao Anne
Director Academics

Prof. Dr. A. Abudhahir
Director Quality Assurance

Prof. Dr. P. Sarasu
Director Industry Relations and R & D

Prof. Dr. E. Kannan
Registrar

Prof. Dr. A. T. Ravichandran
Dean, School of Mechanical and Construction

CONVENOR:

Prof. Dr. E. B. Perumal Pillai
Director - HRDC

CO-CONVENOR

Dr. S. Suppiah
Professor - Department of Civil Engineering

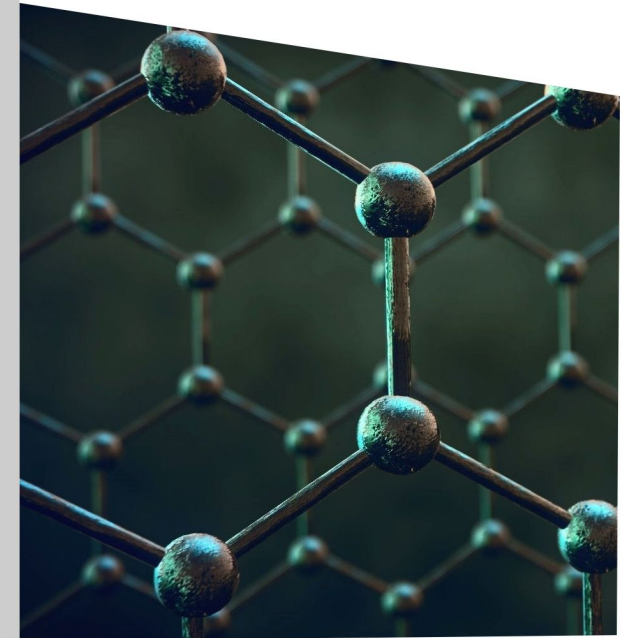
COORDINATORS:

Mr. R. Veerakumar
Asst. Prof - Department of Civil Engineering

Mr. R. Robert Singh
Asst. Prof - Department of Civil Engineering



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A National Seminar on
**“Graphene – Nanotechnology
in Civil Engineering”**
29th & 30th March 2019

Organized by

**DEPARTMENT OF CIVIL ENGINEERING
SCHOOL OF MECHANICAL AND CONSTRUCTION**

**Venue: M.G Auditorium,
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science
and Technology,**

No.42, Avadi-Vel Tech Road,
Avadi, Chennai – 600 062, Tamil Nadu, India.
www.veltech.edu.in

ABOUT THE INSTITUTE

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology offers programmes in Engineering, Management, Media and Law. The Institution has made distinctive progress since the founding in 1997, by adopting the unique and trending educational methodologies. Vel Tech is the first institution in India to adopt Conceive-Design-Implement-Operate (CDIO). CDIO is a worldwide framework which aims to produce the next generation engineers. Vel Tech has been ranked as 1st in India and 74th in the world by Times Higher Education World Young University Ranking 2016-2017 and 43rd in Asia by Times Higher Education Asia University Ranking 2017. The TBI (Technology Business Incubator) of Vel Tech is recognized as the Center of Excellence under NIDHI by the Government of India.

ABOUT THE DEPARTMENT

The Department of Civil Engineering was established in the year 2009 with an aim of promoting high quality education. The department currently offers B.Tech. Programme in Civil Engineering (collaborated with National Ilan University, Taiwan), and M.Tech. Programmes in Structural Engineering, Construction Engineering and Management, Environmental Engineering and Geotechnical Engineering. The department also offers Ph.D. programmes in all areas. The department is accredited for 3 years by National Bureau of Accreditation. The department has well experienced faculty members with Ph.D. and also members in various professional societies. The department is involved in consultancy projects with DRDO, All India Radio, and Public & Private entrepreneurs.

ABOUT THE SEMINAR

Graphene is a one-atom-thick layer of carbon atoms arranged in a hexagonal lattice. It is the building-block of Graphite (which is used, among other things, in pencil tips), but graphene is a remarkable substance on its own with a multitude of astonishing properties, which repeatedly earns the title “wonder material”. It has a large specific surface area, and possesses high Young’s modulus, high thermal conductivity and excellent electrical conductivity. These properties make graphene one of the most prominent nanomaterial for applications in concrete. Graphene Oxide increases the substance strength with concrete and subsequently improves the appearance and environmental performance which is the need of the day.

SEMINAR CONTENT

- Trends in Graphene research
- Synthesis of Cement-Based Adhesive using Graphene.
- Effect of graphene on cement mortars
- Applications of Graphene in concrete composites.

RESOURCE PERSONS

Dr. P. Veeramani
Chief Scientist (Retired),
CSIR- Central Electro Chemical Research Institute,
Karaikudi, Tamil Nadu.

Dr. T. Theivasanthi
Research Faculty,
International Research Center,
Kalasalingam Academy of Research and Education,
Krishnankoil, Tamil Nadu.

Dr. Barun Das
Scientist - R & D,
Cookson India Pvt Ltd,
Bangalore, Karnataka.

REGISTRATION DETAILS

- Registration fee includes registration kit, participation certificate, lunch and refreshments.
- Accommodation, on prior request, can be arranged at Vel Tech Hostel (Limited Nos.) on payment basis.
- Registration fee shall be paid by Demand Draft drawn in favour of “Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Avadi, Chennai” payable at Chennai.
- The Registration form shall be sent to the coordinator through e-mail on or before 21st March, 2019.
- Confirmation will be sent on 22nd March, 2019 through e-mail.
- On spot Registration is allowed only with prior intimation

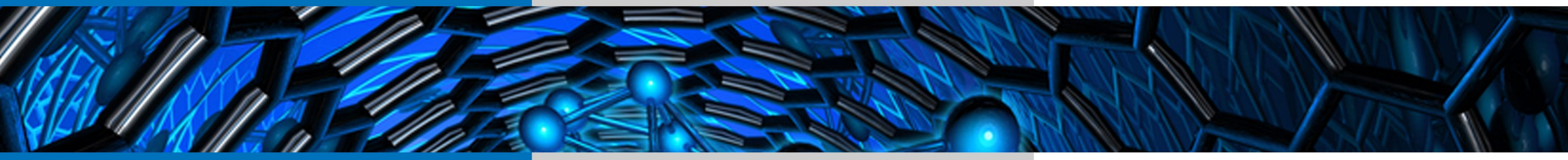
Delegates	Early Bird Registration (INR)	Spot Registration (INR)
Industry / R&D	1000	1200
Faculty	750	850
Research Scholars	600	700
Students	500	600

The Coordinator,
“Graphene – Nanotechnology in Civil Engineering”
Department of Civil Engineering,
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of
Science and Technology,

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E-mail : nsgnce@veltech.edu.in

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SCHOOL OF MECHANICAL AND CONSTRUCTION

DEPARTMENT OF CIVIL ENGINEERING

REPORT ON

two day national seminar on

“Graphene- Nanotechnology in Civil Engineering”

Date: 29.03.2019

Time: 9.30 AM

Venue: M.G Auditorium, Block 18 (Room No: 1811)

Chief Guest & Resource Person

Dr.P. Veeramani

Chief Scientist (Retired),

CSIR- Central Electro Chemical Research Institute, Karaikudi, Tamil Nadu.

in the presence of

Col.Prof. Dr.Vel R. Rangarajan

Founder President

Dr. Sagunthala Rangarajan

Foundress President

Prof. V.S.S. Kumar

Vice Chancellor (Officiating)

Prof. Dr. E.B. Perumal Pillai

Head of the Department

Programme Schedule

Date: 29.03.2019

Venue: M.G Auditorium, Block 18 (Room No: 1811)

- 09.00 – 09.30 am : Registration
- 09.30 –10.00 am : Inaugural Session
- Invocation
- Welcome Address&Overview of the Seminar
- Presidential Address
- Felicitation Address
- 10.00 - 11.00 am : Session I– Dr. P. Veeramani
- 11.00 - 11.15 am : Tea Break
- 11.15am - 12.30pm : Session I - Continuation
- 12.30 - 01.30 pm : Lunch Break
- 01.30 - 03.00 pm : Session II– Dr. T. Theivasanthi
- 03.00 - 03.15 pm : Tea Break
- 03.15 - 4.45 pm : Session II - Continuation
- ***End of Day 1***

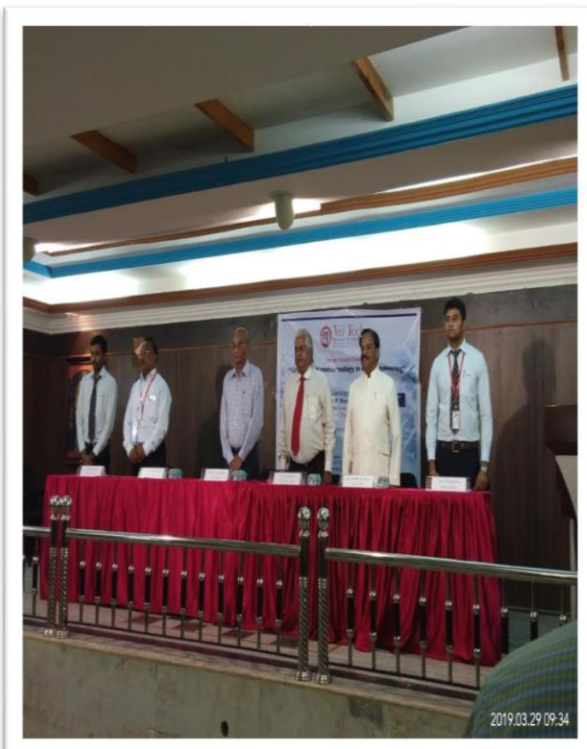
Date: 30.03.2019

Venue: M.G Auditorium, Block 18 (Room No: 1811)

- 09.30 - 11.00 am : Session III – Dr.Barun Das
- 11.00 - 11.15 am : Tea Break
- 11.15am - 12.30pm : Session III - Continuation
- 12.30 - 01.30 pm : Lunch Break
- 01.30- 03.30 pm : Session IV – Dr.Barun Das
- 03.00 - 03.45 pm : Tea Break
- 03.45 - 4.15 pm : Valedictory session
- ***End of Day 2***

Overview of National Seminar

Two days national seminar has been held on “**Graphene – Nano Technology in Civil Engineering**” during March 29 & 30, 2019. Mr. R. Veerakumar and Mr. R. Robert Singh had coordinated the programme. Faculties from other institutions and our institutions, PhD scholars, UG & PG Students have participated in the seminar. Deligates Dr. P. Veeramani, Scientist (Retired) from CECRI, Karaikudi Dr.Deivashanthi from Kalasalingam university and Dr. Barun Das, Scientist –R & D, Cookson India Pvt Ltd, Bangalore had delivered the lecture based on current trends in Nano technology using Graphene. It holds a very effective path for the students to develop Nano technology in the field of civil engineering.



Two Days National Seminar on Graphene – Nano Technology in Civil Engineering

SCHOOL OF MECHANICAL AND CONSTRUCTION					
DEPARTMENT OF CIVIL ENGINEERING					
A TWO DAY NATIONAL SEMINAR ON					
“GRAPHENE - NANOTECHNOLOGY IN CIVIL ENGINEERING”					
(29.03.2019 & 30.03.2019)					
Registration List					
S. No	Title	Name of the Delegate	Affiliated Institute	Address for Communication	Industry / Faculty / Research Scholar / Student
1	Mr.	YOGESHWARAN V	Sri Krishna College of Engineering and Technology	Sri Krishna College of Engineering and Technology, Coimbatore - 641008	Faculty
2	Dr.	STELLA S	Rajalakshmi Engineering College	Rajalakshmi Engineering College, Thandalam, Chennai, Tamil Nadu 602105	Faculty
3	Mr.	BABU S	MES College of Engineering	MES College of Engineering, Kuttippuram, Kerala	Faculty
4	Dr.	LEELA	Dr. M.G.R Educational and Research Institute	Dr. M.G.R Educational and Research Institute, E.V.R Periyar Salai (NH4 Highway), Maduravoyal, Chennai - 600095. Tamilnadu, India.	Faculty
5	Mr.	MITHUN KUMAR P	Institute of Road & Transport Technology	Institute of Road & Transport Technology, Near Vasavi College PO, Erode, Tamil Nadu 638316	PG Student
6	Mr.	VARUN S	Institute of Road & Transport Technology	Institute of Road & Transport Technology, Near Vasavi College PO, Erode, Tamil Nadu 638316	PG Student
7	Mr.	CHANDRASEKAR	Vignan University	Adhiparasakthi Engineering College, Melmaruvathur. Tamil Nadu - 603 319.	Faculty
8	Ms.	PADMA RAO	Vignan University	Adhiparasakthi Engineering College, Melmaruvathur. Tamil Nadu - 603 319.	Faculty
9	Mr.	KARTHIKEYAN S	Adhiparasakthi Engineering College	Adhiparasakthi Engineering College, Melmaruvathur. Tamil Nadu - 603 319.	Faculty
10	Mr.	SELVA KUMAR S	Adhiparasakthi Engineering College	Adhiparasakthi Engineering College, Melmaruvathur. Tamil Nadu - 603 319.	Faculty
11	Mr.	PARTHIBAN	Adhiparasakthi Engineering College	Adhiparasakthi Engineering College, Melmaruvathur. Tamil Nadu - 603 319.	PG Student
12	Mrs.	NIVETHIDHA J	Sivanthi Aditanar College of Engineering	Sivanthi Aditanar College of Engineering, Tiruchendur	PG Student
13	Mr.	AADITYASOUNDAR K S	Vels Institute of Science Technology and Advanced Studies	10 Malliga Nagar,	Student

14	Mr.	MANIKUMAR M	Vels Institute of Science Technology and Advanced Studies	1 veeravanchinathan nagar, 1st Street perungudi	Student
15	Ms.	NIVEDHITHA M	Vels Institute of Science Technology and Advanced Studies	Assistant Professor,Civil Engineering,VISTAS, Chennai-117	Research Scholar
16	Ms.	RAMYA ANCELIN	Sivanthi Aditanar College of Engineering	Sivanthi Aditanar College of Engineering, Tiruchendur	Faculty