

# DEPARTMENT OF CIVIL ENGINEERING

# KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES

Diary 2019-20



*Building lives since 1986*

# Memorandum of Agreement with Industries



M/s Pollucare Engineering Pvt Ltd, Chennai

KARUNYA INSTITUTE OF TECHNOLOGY & SCIENCES



M/s Capital Engineering Consultancy, LLC, Sharjah

# *Alumni Conclave 7<sup>th</sup> Sep 2019*

**Er. Jebastin (1986-90 batch)**

Managing Director

M/s Petra Developers, Courtallam

**Er. Aravind Arockiaraj (1991-95 batch)**

Managing Director

M/s Salvika Water Proofing, Chennai

**Er. Gnanaseelan (1987-91 batch)**

COO,

M/s Brigade Towers, Chennai

**Er. Venkat Veeresh (1992-96 batch)**

Managing Director

M/s Ray Contractors, Hyderabad



# *Interaction with Industry Experts*

**Er. Nagarajan**

M/S Shapoorji & Paloonji, Chennai

Conducted Mock Interview for Final year  
students



**Dr. Rajasekhar Malur**

CTO, Tata Consulting Engineers, Bangalore

Interacting with Faculty on Laboratory  
Modernization

# International Visitors to the Department

*Mr. Aird Jordan, Senior International Officer*

*Dr. Kaushal Keraminiyage, School of Science, Engineering and Environment*

*University of Salford, Manchester, United Kingdom*

*10<sup>th</sup> Feb 2020*

*Discussion : Collaboration on Natural Disaster Mitigation*



KARUNYA INSTITUTE OF TECHNOLOGY & SCIENCES



*Dr. Sharan Asundi,*

*Professor, Aerospace Department  
Old Dominion University, USA*

*8<sup>th</sup> Jan 2020*

*Discussion :*

*Establishment of Earth Station at KITS*

# *Dr. Fixit Institute of Structural Protection & Rehabilitation, Mumbai*

- Lecture on “ Waterproofing Materials” by Dr. Tirtha Pratim

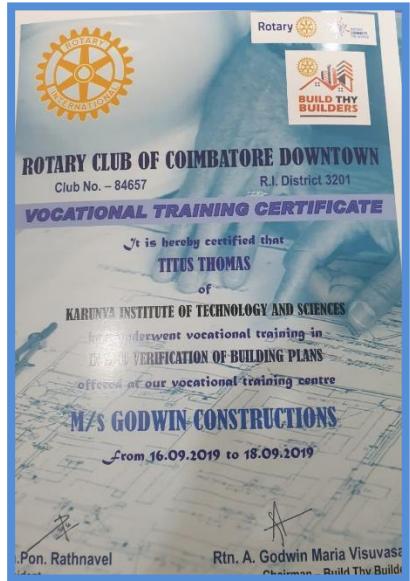
Banerjee, Head, and Ms. Seema, Mumbai on 13<sup>th</sup> Sep 2019.

- MTech structures students visit to Dr. Fixit Experience Centre,

Chennai on 27<sup>th</sup> Sep 2019.



# Training students



## Vocational Training by M/s Godwin Constructions, Coimbatore

**No of days of Training : 3 days**  
**No of Students trained : 10**



**Local Site Visits to understand the reinforcement details, RMC, construction practices etc.**



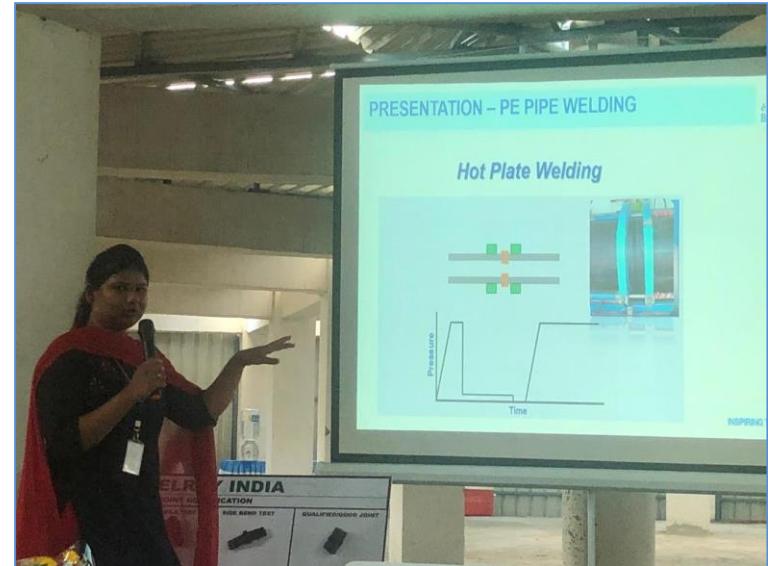
# FIELD VISITS/ INDUSTRIAL VISITS



# **MTech Environmental & Water Resources Students**

## **Training at SUEZ, Coimbatore**

**Industrial Visit to  
ATREE,  
Bangalore**





**Mr. C. Daniel & Dr. Joel Shelton,  
PhD scholars  
at  
International Conference on  
Innovation for Sustainable  
Infrastructure, Vietnam**

## STUDENTS INTERNSHIP ABROAD

**1 B.Tech student @  
Maatasa Star Building  
Contracting LLC Dubai  
Jan – April 2020**

**2 B.Tech students @  
M/s Capital Engineering  
Consultancy, Sharjah  
Jan – April 2020**



**7 B.Tech & 1 MTech Structures student @  
University of British Columbia, Canada, Jan – April 2020**



# Mr. Chris Dalmia, IV Civil at Iran July – Sep 2019 through IAESTE



# ASSESSMENT OF URBAN HEATING IN CHENNAI CITY

UHMED ALSALMI

DR. J. BREMA

KARunya INSTITUTE OF  
TECHNOLOGY AND  
SCIENCES  
(DEEMED-TO-BE-  
UNIVERSITY)



**IAESTE Intern**  
Ahmed Khalid Yahya Al Salmi  
College of Engineering,  
Sultan Qaboos University,  
Oman

# Workshops organized



- **Drone Surveying and Mapping Using Bentley Context capture**  
AVIOCIAN Technologies Pvt.Ltd. New Delhi  
9<sup>th</sup> Dec – 11<sup>th</sup> Dec 2020
- **Hydrogeochemical Analysis and Groundwater Flow and Contaminant Transport Modeling**  
12<sup>th</sup> Dec -13<sup>th</sup> Dec 2020
- **Pico-Nano-Micro (PNM) Satellites** , Dr. Sharon Asundi, University of Old Dominion, 8th Jan 2020
- **Modelling in 3D Studio Max**, Creative Image Education, Coimbatore , 28<sup>th</sup> Jan 2020- 29<sup>th</sup> Jan 2020



# C-festa 2020

## Food-Water- Energy-Health

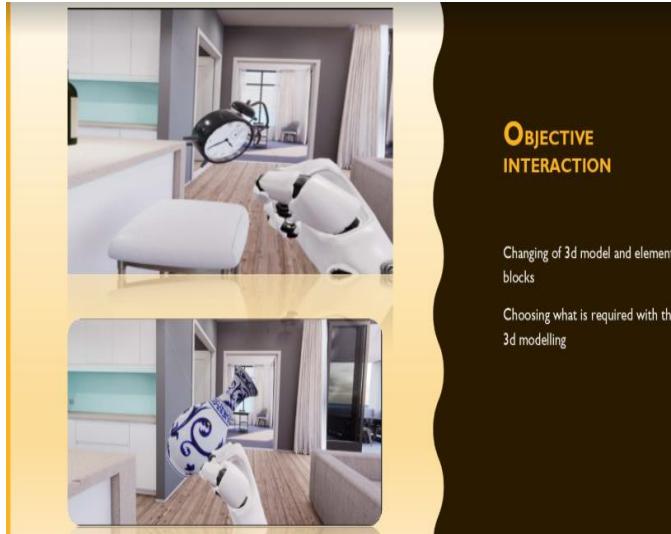
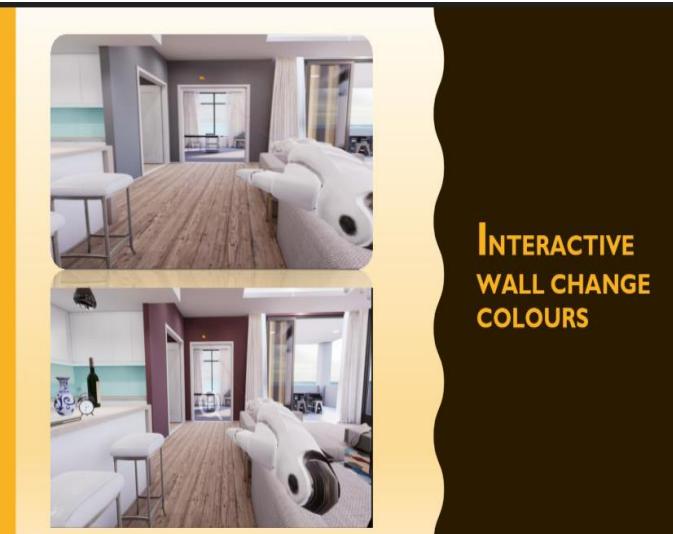


# PROJECT BASED LEARNING

S. No.	Type	Number of projects
1	Industry Oriented	21
2	Technology Based	4

## VR Architectural Visualization For Architects And Interior Designers

By Hans Kumar UL16CE005



1 To implement the basic IOT platform using esp8266 or esp32 development boards and raspberry pi

2 To find and implement the optimal database system for data storage and retrieval

3 To Implement facial recognition system for security and moment tracking

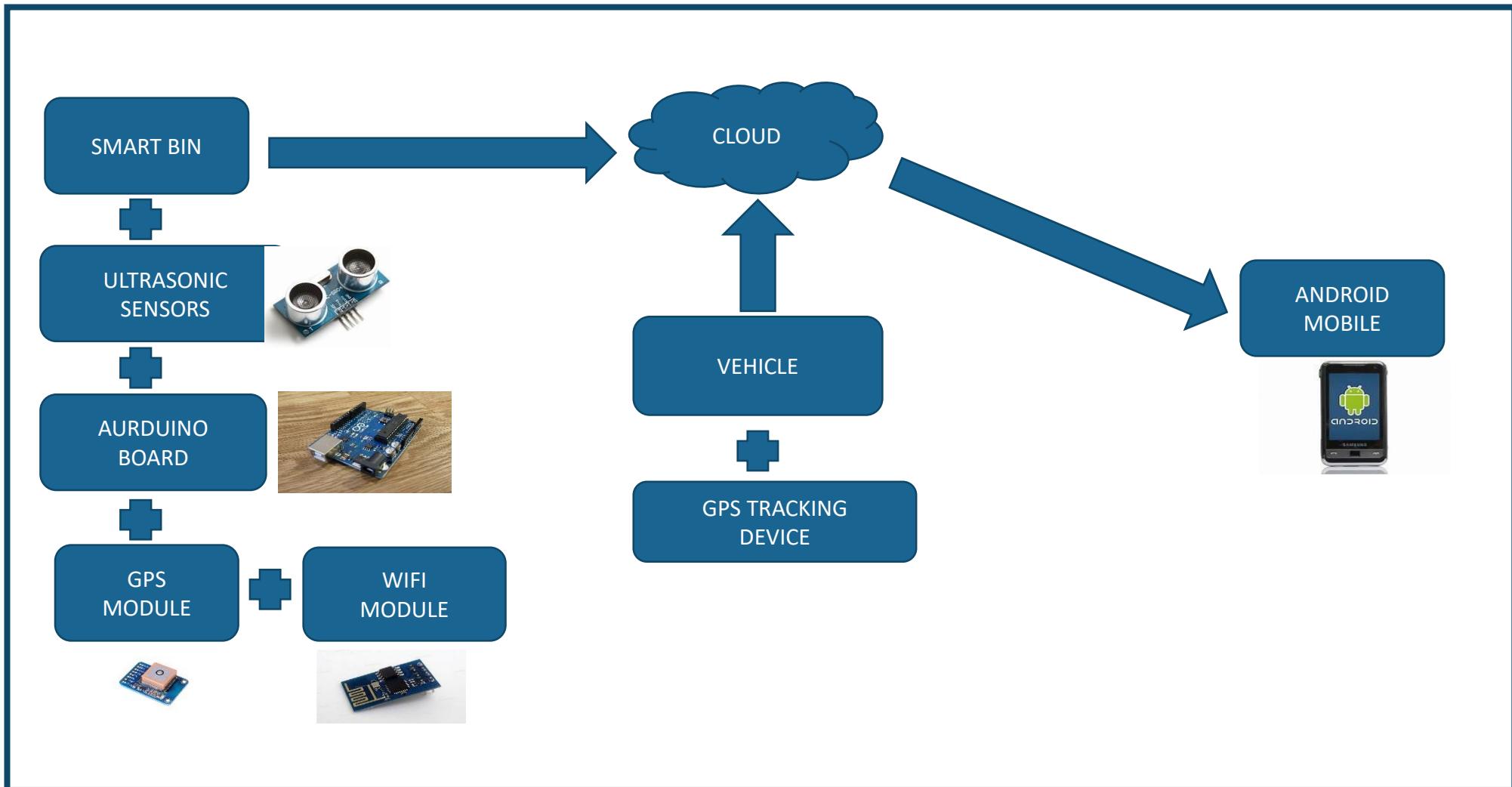
4 To develop and implement a AI for trend analysis and optimization

5 To Implement a user interface for monitoring

AI based energy optimization and security for smart buildings

By John E  
(UR16CE025)

# IoT Based Waste Collection



# PLACEMENTS

Total Offers: 43

SI No	Name of the Company	Position	Salary Package	No of Students Placed
1	<b>Ray Contractors, Hyderabad</b>	Site Engineer-Trainee	1.8 lakh	20
2	<b>Prime Urban Developers Ltd</b>	Site Engineer- Executive	2.5 lakh	3
3	<b>Milekal Engineering, Hyderabad</b>	Business Development Executive	2.5 lakh	1
4	<b>Archoholics, Bangalore</b>	Site Engineer	1.5 lakh	1
5	<b>GLOINNT Solutions Pvt. Ltd. Bangalore</b>	GIS Engineer	2.4 lakh	7
7	<b>Maatasa Star Building Contracting LLC Dubai</b>	Site Engineer-Trainee	52000 DHS (10.5 lakh )	1
8	<b>Century Constructions, Kottayam</b>	Site Engineer-Trainee	2.4 lakh	2
9	<b>Sri Harsha Builtech P Ltd, Puduchery</b>	Site Engineer	3.0 lakh	1
9	<b>IBM Tech Support, Bangalore</b>	Technical Support Associate	3.2 lakh	1
10	<b>Byjus Think and Learn</b>	Business Development Associates	10 lakh	1
11	<b>Accenture</b>	Software Engineer	4.5 lakh	2
12	<b>Vserve Solutions , Coimbatore</b>	Customer Support Executive	1.85 lakh	3
	<b>Total Placements</b>			<b>43</b>

# **CORPORATE TRAINING FOR TWAD ENGINEERS ON WASTE WATER TREATMENT ON 28.02.2020**



# **FACULTY CONTRIBUTIONS/INTERACTIONS**

<b>Contribution</b>	<b>Number</b>
<b>Guest Lecture/Resource Person</b>	<b>14</b>
<b>Member in Editorial Board</b>	<b>4</b>
<b>Membership in Professional Bodies</b>	<b>2</b>
<b>National/International Visit to other Laboratories/Industries/Institution</b>	<b>3</b>
<b>Publication in Scopus indexed journals</b>	<b>59</b>
<b>Participation(Conference, Workshop, Seminar, FDP etc.,)</b>	<b>25</b>
<b>Completion of online course</b>	<b>4</b>
<b>Book/ Book Chapter</b>	<b>4</b>
<b>Consultancy</b>	<b>42.64 lakh</b>
<b>No. of PhD completed</b>	<b>6</b>

**Dr. Gajendran , Associate Professor**

Facilitated in setting of  
E-learning and certificate courses to the students and faculties,  
**Indian Institute of Remote Sensing**



**Prof, E J James  
&  
Dr. Vincent Sam  
Jebadurai, Assistant  
Professor**

Visit to **Israel**  
Universities namely,  
**Bengurion University,**  
**Technion University,**  
**Tel-Aviv University**

**Jan 2020**



**Prof. E. J. James, Dr. Prince Arulraj, Dr. J. Brema, Dr. P. Jegathambal, Mr. Ruban**  
Consultancy Activity: Hydro-ecological assessment for management of integral parts  
of Point calimere Ramsar site, GIZ (German Development Cooperation), MoEF-CC

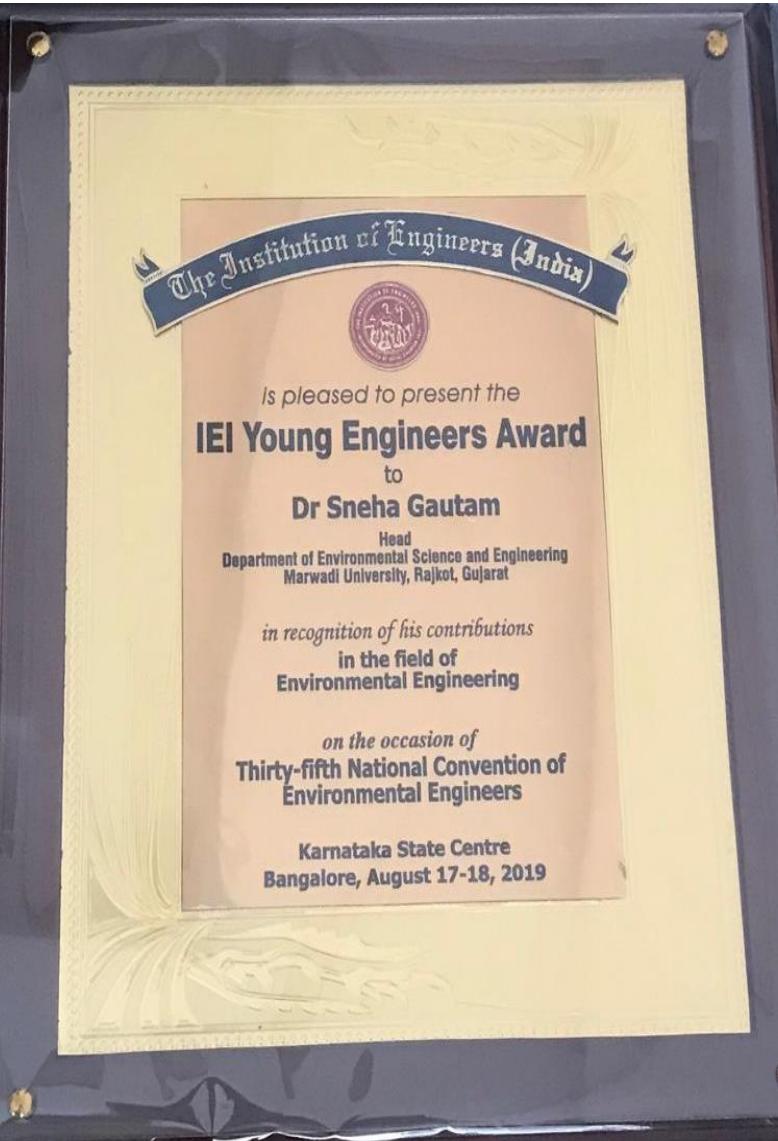
**Dr. G. Hemalatha  
with  
Dr. Sandeep Verma**

Secretary  
Science and  
Engineering  
Research Board

**Dec 2020**



# Dr. Sneha Gautam, Assistant Professor Receiving IEI Young Engineers Award





**Mr.Arun Solomon  
to  
Dr. Arun Solomon  
on**

**6<sup>th</sup> Jan 2020**



**Mr. Christopher Gunasingh, Assistant Professor  
In collaboration with SEESHA, involved in construction of  
PHC at flood affected areas of Kerala**

# Glimpses of Parents meet 2020



# DEPARTMENT OF CIVIL ENGINEERING

presents

ANNUAL STUDENT RETREAT 2020

Priorit



We Prioritize



*Karunya at its best during Monsoon  
Come & Enjoy*