

Inside this issue

Faculty Zone .....	3
Departmental Activity.....	11
Student Activities.....	18
Sky Randomly turned dark.....	24

# CV-NEWS

Vol:3

Issue:3

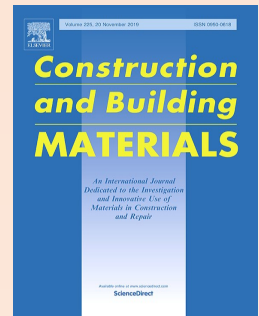
July-August 2019



# FACULTY ZONE: PUBLICATIONS

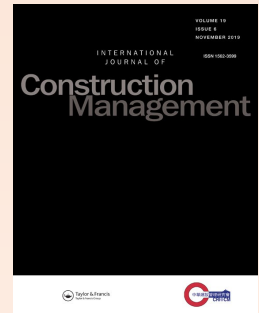
**Dr. Rajesh Gujar** has following publications:

- Vinay Vakharia and Rajesh Gujar (2019), "Prediction of compressive strength and Portland cement composition using Cross-Validation and Feature Ranking Techniques", 'Construction and Building Materials' Vol 225 , 2019, Pages 292-301.



**Dr. Debasis Sarkar** has following publications:

- Sarkar, D, Gohel, J and Dabasia, K (2019) "Optimization of ready mixed concrete delivery for commercial batching plants of Ahmedabad, India" International Journal of Construction Management, (Taylor & Francis).
- Sarkar, D, Gohel, J and Dabasia, K (2019) "Optimization of ready mixed concrete delivery for commercial batching plants of Ahmeda-



**Dr. Dhruvesh Patel** along with Dipal Samal published an article "Application of RS and GIS for Rain Water Harvesting Structure Location", Handbook of Water Harvesting and Conservation by **Wiley** which is **accepted and in press**.

**Ms. Vidhi Vyas** has following publications:

- Vyas, V., Singh, A.P., Srivastava, A. (2019). A Decision Making Framework for Condition Evaluation of Airfield Pavements Using Non-Destructive Testing. In: Al-Qadi, I. L., Ozer, H., Loizos, A. and Murrell, S. (Eds.) Airfield and Highway Pavements 2019: Innovation and Sustainability in Highway and Airfield Pavement Technology, pp. 343 - 353. ASCE, Chicago.

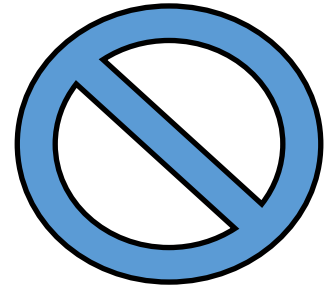
**Dr. Bivina GR** has following publications:

- Gupta A., Bivina G.R., Parida M. (2019). How far people can walk to access Metro? A study of access trip characteristics of Delhi Metro users. Proceedings of 13th International East Asian Society of Transportation Studies, Colombo, Srilanka, September 9-11.
- Bivina G.R., Gupta A, Parida M. (2019). Role of microscale built environment factors on perceived walk accessibility to metro stations: A case of Delhi Metro. Proceedings of 13th International East Asian Society of Transportation Studies, Colombo, Srilanka, September 9-11.



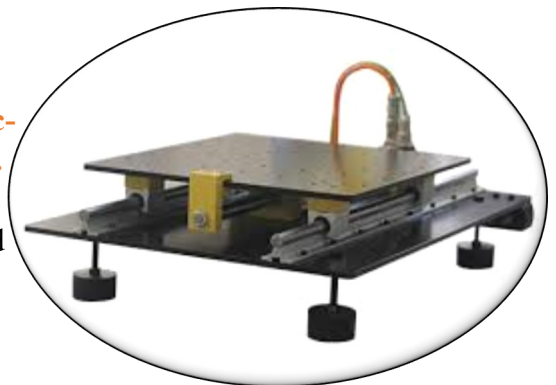
## FACULTY ZONE: AWARDS/HONORS

**Dr. Dhruvesh Patel** was appointed as Research Advisor committee (RAC) member at Sankalchand Patel University and Dr. Patel has reviewed the RAC-1 of Ms. Joshi Darshana Bakulbhai on the topic of “Ground water assessment using Geo Special Techniques and AHP”, during 10<sup>th</sup> August 2019 at SPU, Visnagar.



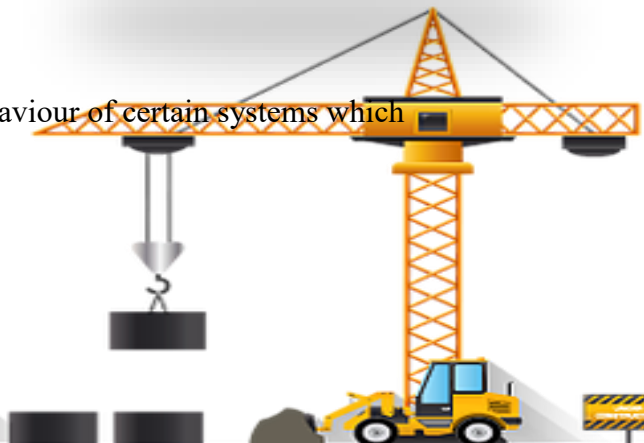
## DEPARTMENT: NEW EQUIPMENT

Department of Civil Engineering took delivery of **Servo Electric Shake Table** on 30th of July 2019 with the help of **Mr. Vasudeo Chaudhary**. Servo Electric Shake Table is successfully installed in in MT Laboratory which will be then re-installed at proposed structure laboratory in F-block.



### Highlights:

- Payload Capacity of 50 kg.
- Simulating the real earthquake motions.
- Shake Table testing is essential for load-deformation behaviour of certain systems which are not amenable to Pseudo-Dynamic type testing.





## FACULTY ZONE: CONFERENCES

**Dr. Dhruvesh Patel** has following papers which are accepted for oral presentation:

Nimrabanu Memon, Samir Patel, Dhruvesh Patel (2019), “Comparative analysis of artificial neural network and XGboost algorithm for PolSAR image classification”, 8<sup>th</sup> International conference on Pattern Recognition and Machine Intelligence, December 17-20, 2019.

**Dr. Manas Bhoi** has following papers which are accepted at conference IGC 2019 at NIT Surat:

- Comparison between the soil properties of the Coastal and Interior regions of Gujarat.
- Study of Engineering Properties of Expansive Soil Stabilized with Quarry Dust and Fly-ash.
- Strength improvement of Gandhinagar soil using microfine cement as grout.

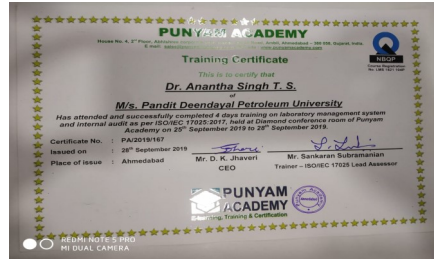
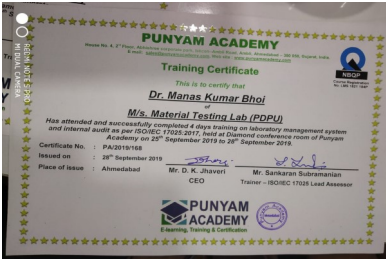
**Dr. Bivina GR** delivered an oral presentation on “Role of microscale built environment factors on perceived walk accessibility to metro stations: A case of Delhi Metro” at 13th International East Asian Society of Transportation Studies-east 2019, Colombo, Srilanka, September 9-11.

**Dr. Bivina GR** delivered an oral presentation on “How far people can walk to access Metro? A study of access trip characteristics of Delhi Metro users” at 13th International East Asian Society of Transportation Studies-east 2019, Colombo, Srilanka, September 9-11.



# FACULTY ZONE: EXTERNAL ACTIVITY

**Dr. Anantha Singh** and **Dr. Manaskumar Bhoi** successfully completed 04 days ISO 17025:2017 Training program at Punyam Academy Ahmedabad from 25th September 2019 to 28th September 2019.



NABL ACCREDITED

**Dr. Debasis Sarkar** Presented paper at 14th International Project Management Conference at Zagreb, Croatia. The Conference was organised by University of Zagreb and Croatian Association of Project Management.



**Dr. Anurag Kandya** gave oral presentation on titled “Understanding the Thermal resilience behaviour of various Urban Canopies across Ahmedabad city using Geostationary Satellite Data” in INAC-4 Conference held in SAC-ISRO, Ahmedabad during 26th-27th September 2019.



4<sup>th</sup> ISSE National Conference – 2019

on

Systems for Transforming India: Challenges & Opportunities

Date: 26-27 September, 2019 | Venue: SAC, Ahmedabad, India



Abstract Acceptance - INAC-4 National Conference

22 Aug 2019

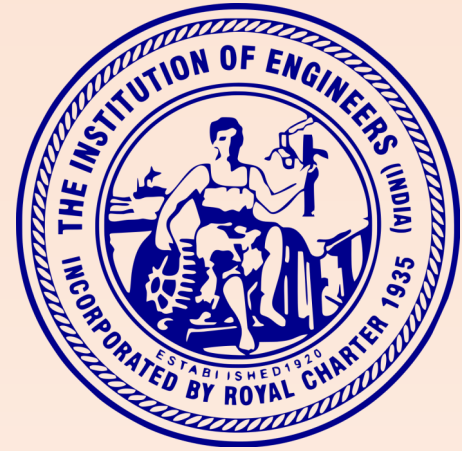
Dear Dr. Anurag Kandya,

We are pleased to inform you that your abstract, titled “**Understanding the Thermal resilience behaviour of various Urban Canopies across Ahmedabad city using Geostationary Satellite Data**”, has been accepted for ORAL presentation in INAC-4 conference to be held at SAC-ISRO, Ahmedabad during 26-27 September 2019.



## EXPERT LECTURES DELIVERED

**Dr. Rajesh Gujar** delivered expert talk on “Green Technologies for Mass Transportation” The event was based on theme "Change for Engineers" on 52nd Engineers Day, Celebration organized by Institution of Engineers at Bhaikaka Bhavan, Law Garden Road, Ahmedabad.





# DEPARTMENT: MAJOR ADMINISTRATIVE EVENTS

## B.Tech Induction programme 2019

PDPU hosted B. Tech orientation from 2nd August, 2019 to 8th August, 2019. Prof. Gopalakrishnan, Director General have given the welcome to new aspiring students, which is followed by addresses of Dr. R. K. Vij, Director SPT, Prof. Nigam Dave, Director SLS, Dean SPM, Mr Abhinav Kapadia, CFO,. Inauguration end up with inspiring speech of Prof Sunil Khanna with an Introduction of Heads of all the Department of School of Technology, PDPU.

**Dr. Anantha Singh** along with **Dr. D. M Parikh** explained the NPTEL course and its Advantages in Induction programme for recently admitted students.

PDPU hosted M.Tech orientation on 1st August 2019 followed by department orientation in which Head of Department gave a glimpse of various facilities established in Department.



# STUDENT ACTIVITIES

Our Student **Mr. Parth Patel's** start-up **LGEOM PRIVATE LIMITED** nominated for best 5000 MSME in India. They provide various services like drone survey, geo spatial solution and Mobile application survey.



## International Exposure Program

Mr Naimish Bhatt has organized and coordinated international training program for civil engineering students at Curtain University , Dubai from 30th June to 7th July 2019. The program aimed to give students a global learning experience in a civil engineering perspective. Various international experts from industries, academics and R&D conducted sessions on smart cities, introduction to personal branding, Basic Concept of project management and international communication skills/. Five groups from Civil engineering Department gave presentation on green energy. Students studied various buildings of Dubai like Al Arab, . Students visited different building sites in Dubai like Jumeirah, Hotel Al Arab, Hotel Atlanta, Dubai mall and Burj Khalifa, IMG theme park and small industrial park.





## The sky Randomly turned dark

The Lung of the Earth– Amazon Forest burnt for 20 days continuously. Suddenly on August 21st Brazil sky turned into dark cover with smoke.



Amazon forest produce 20% of Planet's oxygen alone itself.



On August 21st , Brazil's Sky turned dark at 03:00pm.

## FACT CHECK



- Amazon covers over 5.5 million square kilometres.
- Amazon is home to 390 billion individual trees and 2.5 million species of insects.
- Cattle Ranching accounts for 70% of Amazon Deforestation.
- The Nine nations have their border with Amazon forest.
- If you were caught in the rain in the Amazon you would have about 10 minutes to find your umbrella. The trees are so tightly packed that it can take 10 minutes for the rain to reach the ground below.
- 4 Million acres of land have been lost due to this forest fire.

*Published by :-*

*Department of Civil Engineering,  
School of Technology,*

