



## **ENGINEERS' DAY CELEBRATIONS AT IITRAM ON 15<sup>TH</sup> SEPTEMBER 2017**

On 15<sup>th</sup> September 2017, Engineers' Day was celebrated at IITRAM to commemorate the 157<sup>th</sup> birthday of Sir. M. Visvesvaraya. Three Expert lectures were organized for the students. There were many exciting events for the students like Technical Treasure Hunt, Technical Quiz Contest and Smart City Challenge.

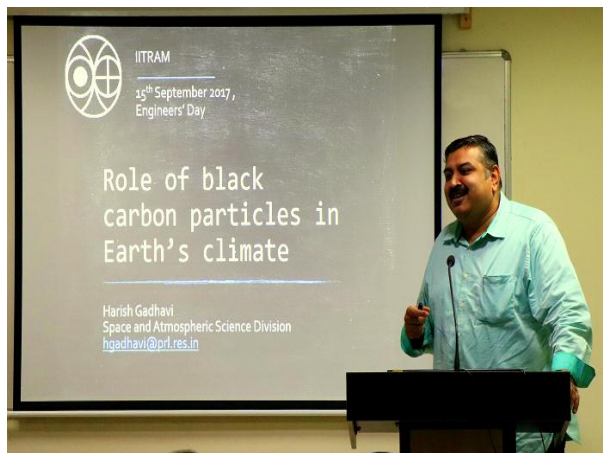
The programme began by welcoming the expert speakers Mr. Vivek Kapadia, Chief Engineer, Government of Gujarat and Dr. Harish Gadhavi, Scientist, Space and Atmosphere Division, PRL, Ahmedabad. The event was inaugurated by lighting the lamp and prayer by our student Mr. Harshvardhan Palavat. Prof. A. U. Digraskar, (Director, IITRAM) delivered the inaugural address and shared valuable insights about the life of Sir M. Visvesvaraya. He emphasized on the qualities we must inculcate from Sir M. Visvesvaraya's life such as honesty and work ethics, discipline, dedication and quest for excellence, eagerness to learn new things and innovation.



Inaugural address by Prof. Digraskar, Director, IITRAM



Mr. Vivek Kapadia delivering expert lecture



Expert lecture delivered by Dr. Harish Gadhavi



Students attending expert lectures



Mr. Kapadia delivered an enlightening lecture on ‘Lessons learnt from large projects’. The lecture presented various challenging case studies including operational solutions at Narmada Main Canal, Geo-reinforced embankment for retrofitting of failed canal embankment, application of Geosynthetics Clay Liner (GCL) for embankment, maintenance issues related to gates and electromechanical parts in different hydraulic structures, etc. Mr. Kapadia emphasized on importance of cost effectiveness, soundness and longevity of engineering solutions. He also inspired the students to focus on developing conceptual clarity, intuitive abilities, work ethics, dedication and confidence on one’s own learnings.

Dr. Harish delivered a fascinating lecture on ‘Role of black carbon particles in Earth’s climate’. The deliberations by Dr. Harish highlighted the impact of black carbon on global pollution and emphasized its importance being the second largest pollutant after CO<sub>2</sub>. The various characteristics of black carbon such as highly absorbent nature (including radiation), small particle size (which can create respiratory hazard) and poor gravitational settling were noted to cause increase in global warming and spread of black carbon to larger areas. Dr. Harish suggested measures for reduction in black carbon such as reuse of agricultural waste and more use of renewable energy for various applications. The expert lectures were highly appreciated by faculty and students.



Technical Treasure Hunt event in progress



Technical Treasure Hunt Winning Team with Event Volunteers

The exciting Technical treasure hunt event for the students had an overwhelming response with 24 teams, and each team consisting of five members participated in series of exciting rounds including Sudoku, reasoning puzzles, general knowledge questions and other exciting puzzles. Finally five teams were shortlisted after a series of rounds for the Treasure Hunt challenge. These teams had a challenging time searching for clues at different locations in the IITRAM campus, identifying the theme for Treasure Hunt and finally locating the Treasure Hunt Theme. The treasure hunt finally concluded after about 4 hours of rigorous and fascinating experiences for the students. The student team of consisting of Parth Dethaliya, Romin Pirani, Pritesh Borad, Deep Kankasaniya and Bhavin





Baldha won the Technical Treasure Hunt event. The treasure Hunt event was fully coordinated by student volunteers.

In the afternoon session the Technical Quiz Contest was organized by the volunteer students. Five teams consisting of one student each from Civil, Electrical and Mechanical Engineering disciplines participated in the thrilling contest consisting of various rounds including visual, mime, crossword and rapid fire rounds. The student team consisting of Vivek Joshi, Shreyansh Agarwal and Saransh Sahu won the Quiz Contest.



Technical Quiz Contest in Progress



Technical Quiz Contest Winning Team

Smart City Challenge event was organized to attract innovative ideas from students for future Smart Cities. Various teams presented their ideas and a panel of judges evaluated their ideas based on presentation and question answer session. The team consisting of Venkateswara Harish, Bhavani Malepati and Rajan Koradia won the Smart City Challenge for their idea related to energy generation during break application of vehicles. Dean of IITRAM, Prof. Shanti Prasanna also presented an idea for creating dedicated elderly housing on ground floor of residential complexes for better quality of life for elderly people. All the ideas were highly appreciated.



Prof. Shanti Prasanna presenting her idea for Smart City



Smart City Challenge Winning Team presenting their idea



Another expert lecture was also organized for M. Tech and B. Tech students in the afternoon session. A technical expert from Kistler, a world renowned Swiss Company in dynamic measurement technology including sensor technology, delivered a talk on 'Cutting force measurement technology'. The talk was very informative and all the students were happy to learn about the best practices followed in the related domain.



Talk delivered by technical expert from Kistler



Felicitating our Experts

The day's celebrations was concluded by felicitating the volunteer students and the winning team members of Technical Treasure Hunt, Technical Quiz Contest and Smart City Challenge.



During Valedictory Function of Engineers' Day Celebrations 2017



## **Acknowledgements:**

The event Coordinators Dr. Kannan Iyer, Dr. PL Ramkumar and Dr. B Siva Kumar Reddy wish to acknowledge the support and guidance from Prof. A. U. Digraskar, Director IITRAM; Dr. N. N. Bhuptani, Registrar, IITRAM and Prof. Shanti Prasanna, Dean, IITRAM, for organizing the events. The support from Prof. Manisha Mehta, Mr. Vijay Parmar and other members of administration team is also appreciated. The volunteer students have been instrumental in organizing the events and the relentless efforts of Sai Rohith Enuganti, Ankush Gupta, Parth Suthar, Anuj Jangid, Sarth Dubey, Chirag Bagada, Saloni Singh, Niraj Kachariya, Jay Chaudhari, Amir Miya, Satyendra Kumar, Shivkumar Patel and Sandip Parmar are also acknowledged. The support from faculty in judging the events and extending other support, as well as support from non-teaching staff is also acknowledged. Special thanks are extended to Dr. Trudeep Dave, Dr. Ajit Parwani and Dr. Navneet Khanna for facilitating the arrangement of experts for lectures. We thank our event photographer Mr. Mustafa Ghasia for covering the memories of various events. We thank the students for enthusiastically participating in various events and lectures in large numbers and making the celebrations memorable.

From Organizing Team (Engineers' Day Celebrations 2017)

Dr. Kannan Iyer

Dr. PL Ramkumar

Dr. B Siva Kumar Reddy

All photographs courtesy: Mr. Mustafa Ghasia (M. Tech Civil Engineering Student)

Newsletter Edited by: Dr. Kannan Iyer