



VAAGDEVI
COLLEGES
Bollikunta, Warangal - 506005

A FIVE-DAY WORKSHOP ON EMERGING TRENDS IN TRANSPORTATION GEOTECHNICS (ETTg-2019)

Chief Guest

Dr.N. V. Ramana Rao
Director

National Institute of Technology, Warangal (NIT W)

Guest of Honor

Dr. K V Jayakumar
Dean, IR & AA

National Institute of Technology,
Warangal (NIT W)

Patron

Dr. K Prakash

Principal, VCE Warangal

Co-Patron

Dr. K Thirupathl Rao

Vice Principal, Vce Warangal
Head of Department

Head of the Department

Dr. R Bharathi Murugan

Prof & Head/ Dept of Civil,
VCE Warangal

Chief Patrons

Sri C. Janga Reddy (Ex. MP)
President

Vishwambara Educational Society

Dr. Ch. Devender Reddy

Secretary & Correspondent
Vaagdevi College of Engineering,
Warangal

Dr. C. Satyapal Reddy

Joint Secretary
Vaagdevi College of Engineering,
Warangal

Convener

Dr. Y Sudheer Kumar

Asst Professor/ Dept of Civil,
VCE Warangal

Co – Convener

Dr. Anil Modinapuroju

Asst Professor/ Dept of Civil,
VCE Warangal

Coordinators

Syed Riyaz

Asst prof/Dept Of Civil

D Pruthvi Raj

Asst prof/Dept Of Civil

K Krishna Teja

Asst prof/Dept Of Civil

On 23rd September 2019, 12.00pm Venue: A-Block Auditorium, VCE Wgl

Our students know what's trending in the transportation sector! A 5-Day technical workshop on 'Emerging trends in transportation-geotechnics' was inaugurated by **Prof. N.V. Ramana Rao, Director of NITW** and inspired with a talk on transportation and geotechnics in today's developing world in the presence of VCE Principal, Vice-Principal, Head of the Civil Engineering Department, Dean of Academics.



5-day technical workshop on 'Emerging trends in transportation-geotechnics' that explored recent advances in non-traditional materials in transport geotechnics.



An engaging 5-day technical workshop on Emerging trends in transportation-geotechnics highlighted recent innovations in Design and construction of substructures.



Mix Design Concepts



HMA weight-volume terms and relationships:

Bulk Specific Gravity of the Compacted Asphalt Mixture (G_{mb}):

The ratio of the mass in air of a unit volume of a permeable material (including both permeable and impermeable voids normal to the material) at a stated temperature to the mass in air (of equal density) of an equal volume of gas-free distilled water at a stated temperature.

- For saturated surface dry specimens,

$$G_{mb} = \frac{\text{Mass of Aggregates + Asphalt}}{\text{Volume of : (Aggregate s + Asphalt + Voids)}}$$

$$G_{mb} = \frac{W_D}{W_{SSD} - W_{sub}}$$



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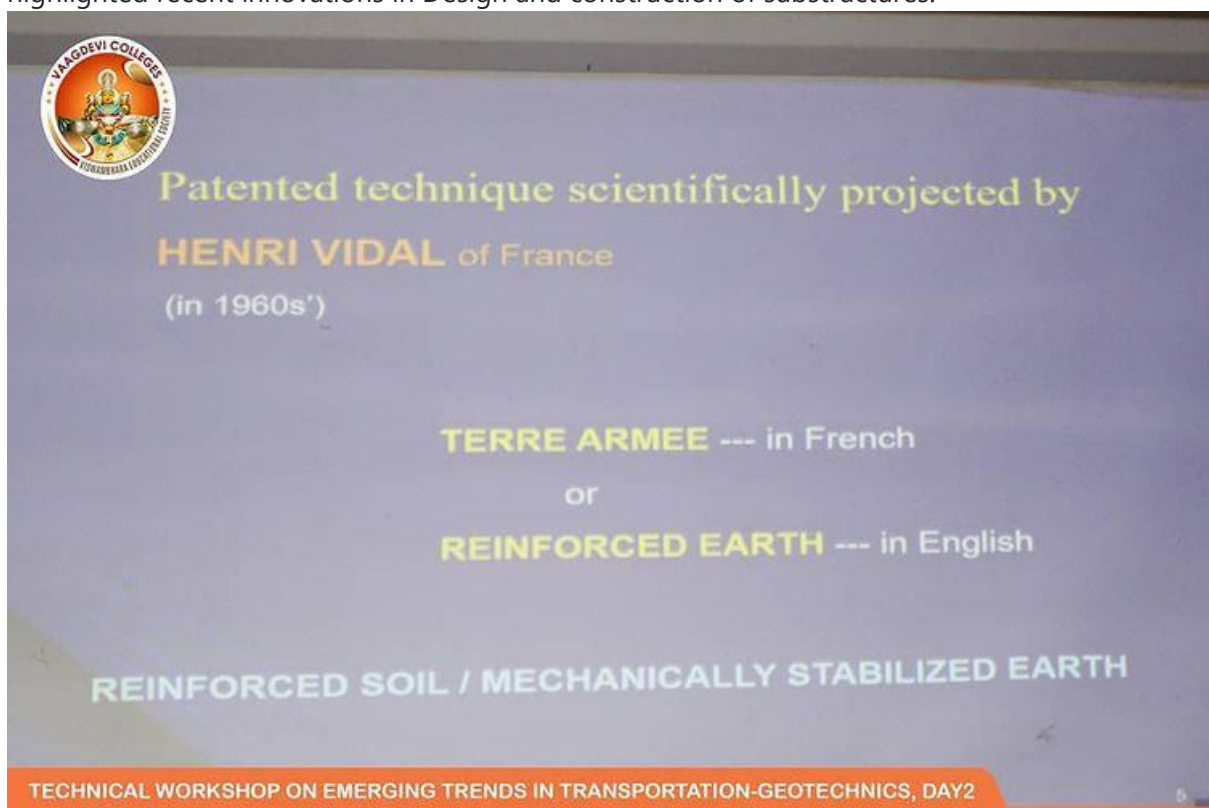
TECHNICAL WORKSHOP ON EMERGING TRENDS IN TRANSPORTATION-GEOTECHNICS, DAY3



TECHNICAL WORKSHOP ON EMERGING TRENDS IN TRANSPORTATION-GEOTECHNICS, DAY3



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TECHNICAL WORKSHOP ON EMERGING TRENDS IN TRANSPORTATION-GEOTECHNICS, DAY2



TECHNICAL WORKSHOP ON EMERGING TRENDS IN TRANSPORTATION-GEOTECHNICS, DAY2

Dr. Syed omer provided insights into subsurface design, sensing, investigations and monitoring in transport geotechnics in a 5-day technical workshop on 'Emerging trends in transportation-geotechnics



TECHNICAL WORKSHOP ON EMERGING TRENDS IN TRANSPORTATION-GEOTECHNICS, DAY-5



TECHNICAL WORKSHOP ON EMERGING TRENDS IN TRANSPORTATION-GEOTECHNICS, DAY-5

Dr. Ashok Julaganti has delivered lecture on Warm Mix Asphalt enlighten students with case studies and research prospectives



WARM MIX ASPHALT

Dr. Ashok Julaganti

Assistant Professor
Department of Civil Engineering
Bapatla Engineering College
Bapatla, Andhra Pradesh- 522101



*Five-Day Workshop on
Emerging Trends in Transportation Geotechnics– 2019 (RATE-2019)*

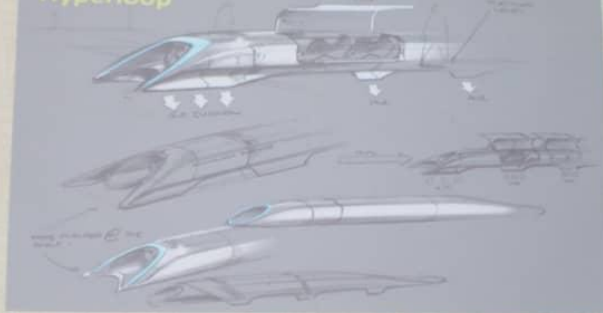
TECHNICAL WORKSHOP ON EMERGING TRENDS IN TRANSPORTATION-GEOTECHNICS, DAY-5



TECHNICAL WORKSHOP ON EMERGING TRENDS IN TRANSPORTATION-GEOTECHNICS, DAY-5



Hyperloop



Hyperloop is a combination of maglev train and vacuum tube that can transport people and cargo at nearly the speed of sound.

Hyperloops, which would function underground, would be fantastically expensive to build. The Boring Company, another Musk creation, was founded for the very purpose of developing a way to reduce the \$1 billion per mile costs.

While the development of Hyperloop is still in the early stages, it is not at all plausible that we'll someday reach the promised 760 MPH.