



IETSC NEWSLETTER



Every year the Ministry of Science and Technology celebrates National Technology Day on 11th May. The day is considered as a symbol of pursuit for technological creativity, scientific inquiry and the conversion of that pursuit in the integration of society, industry and science. Various events are organized in technical institutions as well as engineering colleges to acknowledge this great occasion. Presentations, interactive sessions, quizzes, lectures and competitions are also held. President of India presents National Technology Award to individuals as

science. Technology and science ministers also come forward to celebrate the day by organizing various kinds

On this day, students of India generally pay a visit to different laboratories to acquire information about the

and research work. Students also visit various computer

Centers accompanied with their teachers to get

institutions. This year the National Technology theme is "Shakti, the Pokhran Nuclear Test"

The first nuclear test Pokhran with a code named as 'Smiling Buddha' was carried out in May, 1974. The second test conducted was Pokhran II which was a series of five tests of nuclear bomb explosions, administered by India at the Pokhran Test Range of Indian Army in May, 1998.

Pokhran II comprised of five detonations out of which the first one was a fusion bomb while the other four were fission bombs. These nuclear tests evolved various sanctions against India by many major states, including United States and Japan. Pokhran II or Operation Shakti was initiated on 11th of May, 1998 with the detonation of two fission bombs and one fusion bomb (meaning of the word "Shakti" is power in Sanskrit). Two additional fission bombs were detonated on 13th of May, 1998 and the Government of India run by Atal Bihari Vajpayee, the then Prime Minister shortly convened a press conference for the declaration of India as a full-fledged nuclear state. Various names were attributed for these tests with the original name kept as "Operation Shakti-98", while the five nuclear devices were classified Shakti I through Shakti V. Recently, the whole operation is called Pokhran II and the explosion of 1974 is called Pokhran I.

National Technology Day is observed to memorialize the

India. The day also praises the significance of Science in our day to day lives. It was on the 11th as well as the 13th of

Pokhran, Rajasthan. The initial five tests were conducted

while recording an earthquake of 5.3 Richter scale in the nearby seismic stations. Remaining of the two tests were

Day is celebrated in India. This year we are celebrating

With regards,

Chairman

Chairman
Dr G Rameshwar Rao, FIE

Hon. Secretary
Er T Anjaiah, FIE

Jt. Hon. Secretaries
Dr G Venkata Subbaiah, FIE
Prof. G Radhakrishna, FIE
Prof. (Dr) B Ramana Ilai, FIE
Er M Aruna, AMIE

Editorial Board:
Dr G Chandra Mohan Reddy, FIE
Dr P L Panda, FIE
Dr A Gangagni Rao, FIE

VENUE FOR PROGRAMMES

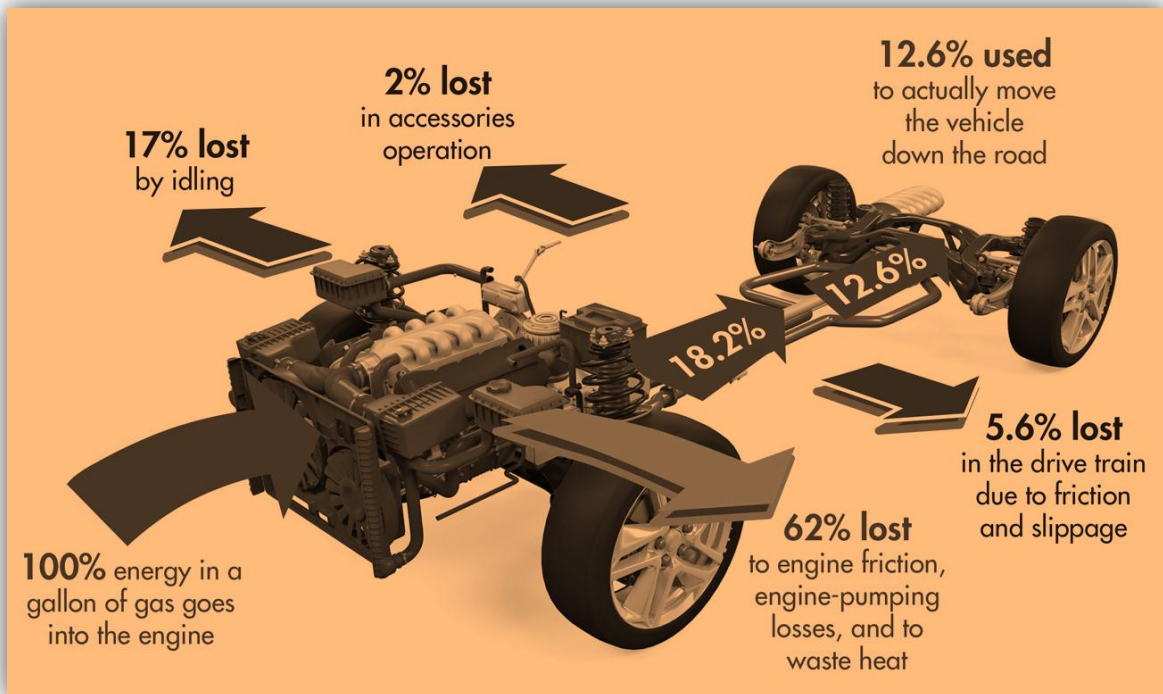
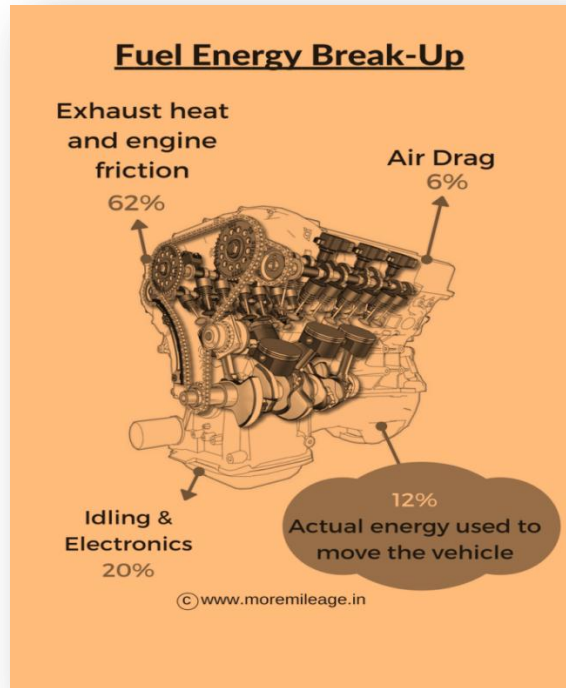
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The Institution of Engineers (India)
TELANGANA STATE CENTRE

Technical Lecture on

“Mileage Boost-A Solution to Conserve Fossil Fuel’s”



April 18, 2019 Hyderabad: Energy Conservation Mission of the Institution of Engineers (India), Telangana State Centre organized technical lecture on “Mileage Boost - A Solution to Conserve Fossil Fuel’s” by Shri David Eshkol, Chief Technologist, M/S. 5M Mileage Boost. During the occasion Chief Guest & Speaker Shri David Eshkol delivered the lecture. He said that the 5M Mileage Boost is a technology based on plasma and ultrasonic waves that improves fuel efficiency by reducing reciprocating friction inside the engine by laparoscopically converting the accumulated hard carbons into diamond-like carbon (DLC) on the cylinder walls inside the engine. DLC on cylinder walls reduces piston drag, improves compression, fuel combustion and makes inlet & exhaust valves function to optimum. Plasma also acts on the catalytic convertor and decontaminates the closed surfaces of the honey comb like structure that is inside the catalytic converter, exhaust emissions are greatly reduced after 5M is implemented on all vehicle engines. The thermal efficiency of an internal combustion is estimated to be about 20% only this means 80% of the energy produced post combustion is wasted to overcome friction at various levels in an automobile. 5M addresses a vital aspect of reducing reciprocal friction in an engine which accounts to about 13.6 % of mechanical energy loss. The nett result of the 5M Mileage Boost process is a rejuvenated engine with more performance for example:-

MORE MILEAGE, MORE PICKUP, MORE SMOOTHNESS, MORE TORQUE & THRUST, MORE POLLUTION CONTROL.

5M Mileage Boost is a fantastic technology that can assist our country in optimizing the performance of all internal combustion engines that work on a reciprocating principle. 5M Mileage Boost can be applied on all vehicles that use PETROL DIESEL LPG & CNG Fuel. For more details visit www.moremileage.in

**Er T Anjaiah, FIE, Hon. Secretary, the Institution of Engineers (India), Telangana State Centre welcomed the gathering. Er E Srinivasa Chary, FIE, Chairman, ECM of IEI, TSC presided the function. Dr G Rameshwar Rao, FIE, Chairman, IEI, TSC also attended the function. Many passionate practicing professionals, lecturers & students from various colleges and IEI & ECM Members participated. Er Y Bhujanga Rao, FIE, Convener, ECM of IEI, TSC proposed
Vote of Thanks.**




ENERGY CONSERVATION MISSION
 The Institution of Engineers (India)
 Telangana State Centre

cordially invite you to Technical Lecture on
"MILEAGE BOOST-A SOLUTION TO CONSERVE FOSSIL FUEL'S"
 on Thursday the 18th April, 2019 at 1700 hrs.
 at "Visvesvaraya Bhavan", Khairatabad, Hyderabad -500 004.

Shri DAVID ESHKOL
 Chief Technologist
 M/s.5M Milege Boost
 has kindly consented to deliver Lecture

Dr G RAMESHWAR RAO, FIE Chairman, IEI, TSC	Er F SRINIVASA CHARY, FIE Chairman, ECM of IEI, TSC
Er T ANJIAH, FIE Hon. Secretary, IEI, TSC	Er Y BHUJANGARAO, FIE Convener, ECM of IEI, TSC

